# Arizona State University

## Academic Catalog Archive

## 2023-2024

This document provides an archival record of the academic programs offered during the 2023-2024 academic year. It is a printable option of the online catalog for accreditation organizations, agencies and university offices for data collection, evaluation purposes and referencing. The information and links presented in this archive may no longer be accurate. For current catalog information, refer to the online version of the academic catalog.

Corrections or additions to the Academic Catalog Archive 2023-2024 program information and major maps, as of August 2023, may be provided in a future addendum. For inquiries or questions, please contact academic.catalog@asu.edu.

# About this document

To navigate this version of the Academic Catalog 2023-2024, refer to the table of contents and the bookmarks provided. The table of contents provides a hyperlinked listing of resources in the order in which they appear in this document. Keyword searches may be employed as an additional means of locating resources within this document.

This document contains program descriptions and requirements for graduate degrees and certificates, undergraduate degrees, minors and undergraduate certificates. Major maps, included for undergraduate degrees, outline each degree's requirements and a recommended sequence of courses. While Arizona State University continues their established special transfer partnerships with Arizona community colleges to facilitate the transition to ASU, Maricopa to ASU Pathways Program (MAPP) documents and Transfer Admission Guarantee (TAG) documents for established undergraduate degrees are no longer published as they are now being created on-demand and specific to the transferring student.

# Table of contents


- Our approach: ASU mission and goals
  - ASU charter
  - Mission and goals
  - A New American University
  - Ideas and issues
- Diversity
  - Inclusive excellence
  - Diversity philosophy
  - President’s commitment to our Black community
  - ASU’s commitment to American Indian tribes
- Academic accreditation
  - Arizona Board of Regents
    - Promise to Arizona
    - Regents
  - University Program Review and Accreditation Office
    - Liaison to the Higher Learning Commission (HLC)
    - Specialized accreditation oversight
    - Academic program review oversight
    - Centers and institutes oversight
    - Purpose and guiding principles
  - Programs with specialized accreditation
  - Higher Learning Commission statement of accreditation
- Academic organizations 2023-2024
  - Locations and maps
  - Locations of record
- Academic calendar
  - Fall 2023
  - Spring 2024
  - Summer 2024
- Residency
  - Residency requirements
  - Residency petition documentation
  - Residency deadlines
  - Residency petition committee review
  - Residency classification – contact us
  - Frequently asked questions – declaring Arizona residency
  - Verification of citizenship or lawful immigration status
- Tuition and fees
  - Tuition costs and fees
  - ASU tuition and fee descriptions
  - Undergraduate excess hours tuition
  - Qualified tuition reduction program
  - Tuition payment options
  - What is the ASU payment plan?
  - Tuition refund policy
    - Things to know about the ASU tuition refund policy
    - Refund by semester
    - Medical or compassionate withdrawal

- Tuition assistance return policy
  - Veteran's affairs funds
- Tuition and fee schedules
  - Fall 2023 tuition and fees schedules

## Financial aid

- About financial aid
- FAFSA
- Scholarships
- Student grants
- Student loans
- Student jobs
- Financial aid disbursement
- Maintaining your aid
- Loan repayment

## Library resources

- Design and the Arts Library
- Downtown Phoenix campus library
- Hayden Library
- Ross-Blakley Law Library
- Music Library
- Noble Library
- Polytechnic campus library
- West campus (Fletcher) library

## University policies

- Academic integrity
- Accelerated Master's degree
- Attendance
- Class participation
- Classification of courses
- Distance education-specific policies
- Drop, add and withdrawal
- Enrollment and degree verification
- Glossary of academic terms
- Grades and grading policies
- Grades - University policy for student appeal procedures on grades
- Policies for students at ASU at Los Angeles
- Professional licensure
- State authorization
- Student Privacy: Family Educational Rights and Privacy Act (FERPA)
- Transcripts

## Undergraduate policies and procedures

- Admission
  - First-year student college admission requirements
  - Admission for homeschool students
  - Transfer student admission
  - International student admission
  - Transcripts
  - Military and veterans at ASU
  - Barrett, the Honors College admission
  - Nondegree and visiting student admission
  - Undergraduate readmission
  - Western Undergraduate Exchange (WUE)
  - Contact ASU Admission Services
- Arizona General Education Curriculum (AGEC)
- Course load and concurrent enrollment
- Credit by examination
- Leave of absence (undergraduate)

Minors and undergraduate certificates
Placement and testing requirements
Retention and academic standards
University undergraduate General Studies requirement
University undergraduate graduation requirements (baccalaureate)
University associate degree graduation requirements

Graduate policies and procedures

College policies

Business, W. P. Carey School of
Design and the Arts, Herberger Institute for
Engineering, Ira A. Fulton Schools of
Global Futures, College of
Global Management, Thunderbird School of
Health Solutions, College of
Honors - Barrett, the Honors College
Integrative Sciences and Arts, College of
Interdisciplinary Arts and Sciences, New College of
Journalism and Mass Communication, Walter Cronkite School of
Law, Sandra Day O'Connor College of
Liberal Arts and Sciences, The College of
Nursing and Health Innovation, Edson College of
Public Service and Community Solutions, Watts College of
Teachers College, Mary Lou Fulton
University College

Academic programs (descriptions and requirements)

Graduate programs
Minors
Undergraduate certificates
Undergraduate degree programs
Undergraduate degree requirements (major maps)

# Our approach: ASU mission and goals

## ASU charter

ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.

ASU Charter video [1] on Youtube

## Mission and goals

### Demonstrate leadership in enabling academic excellence and accessibility at scale

Maintain the fundamental principle of accessibility to all students qualified to study at a research university.

Maintain university accessibility to match Arizona's socioeconomic diversity, with undifferentiated outcomes for success.

Ensure that **more than 90 percent** of students continue studies beyond their first year.

Enhance university graduation rate to **greater than 85 percent** and more than **40,000** graduates.

Continuously enhance quality while maintaining affordability.

Overcome geographic and financial barriers to education by enrolling **150,000** degree-seeking students.

Continuously increase measured student development and learning outcomes.

Engage learners of all socioeconomic, geographic and demographic backgrounds.

---

### Establish national standing in academic quality and impact of colleges and schools in every field

Advance and maintain national standing in academic quality for each college and school.

Attain national standing in the learning and post-graduation outcomes for students in all colleges and schools.

Become the leading university academically (faculty, discovery, research, creativity) in at least one department or school within each college and school.

---

### Expand ASU's role as the leading global center for interdisciplinary research, discovery and development by 2028

Launch the prototype medical center for the planet.

Become the leading American center for discovery and scholarship in the integrated social sciences, and comprehensive arts and sciences.

Enhance research competitiveness to more than **$1 billion** in annual research expenditures.

Drive regional economic competitiveness through research, discovery and socioeconomically integrated programs.

Serve as a leading American center for innovation, entrepreneurship and sustainability.

Create the leading American center for education and learning technology.

---

## Enhance our local impact and social embeddedness

Leverage ASU as a public enterprise to strengthen Arizona's interactive network of teaching, learning and discovery resources.

Co-develop solutions to the critical social, technical, cultural and environmental issues facing 21st-century Arizona, ensuring sustainability and resilience.

Meet the needs of 21st-century Universal Learners through personalized learning pathways that promote adaptability to emergent social and technological changes.

# A New American University

## Arizona State University exemplifies a new prototype for the American public research university.

More than a decade ago, ASU set forth a new and ambitious trajectory to become a comprehensive knowledge enterprise dedicated to the simultaneous pursuit of excellence, broad access to quality education, and meaningful societal impact. From that point forward, and founded on a vision for a new "gold standard", all of its energy, creativity and manpower have been brought to bear on the design of a uniquely adaptive and transdisciplinary university committed to producing master learners.

Learn more [2]

## Nine design aspirations

Nine design aspirations guide the ongoing evolution of ASU as a New American University. These institutional objectives are integrated in innovative ways throughout the university to achieve excellence, access and impact.

**Leverage our place**
ASU embraces its culture, socioeconomic and physical setting.

**Enable student success**
ASU is committed to the success of each unique student.

**Transform society**
ASU catalyzes social change by being connected to social needs.

**Fuse intellectual disciplines**
ASU creates knowledge by transcending academic disciplines

**Value entrepreneurship**
ASU uses its knowledge and encourages innovation.

**Be socially embedded**
ASU connects with communities through mutually beneficial partnerships.

**Conduct use-inspired research**
ASU research has purpose and impact.

**Engage globally**
ASU engages with people and issues locally, nationally and internationally.

**Practice principled innovation**
ASU places character and values at the center of decisions and actions.

## Download New American University: Toward 2028 and beyond

English (PDF) [3]

**Source URL:** https://president.asu.edu/asu-mission-and-goals#asu-charter

**Links:**
[1] https://www.youtube.com/watch?v=N2C6If8s2rM
[2] https://newamericanuniversity.asu.edu/
[3] https://president.asu.edu/sites/default/files/2023-02/New_American_University_2028_Beyond.pdf

# Ideas and issues

Under President Crow's leadership, ASU pursues a broadly-scoped and ambitious trajectory to create meaningful change in the lives of its students and the communities it serves

**Excellence**
ASU demonstrates that comprehensive excellence and broad access can coexist and thrive in one institution.

Learn More ⇾ [1]

**Access**
ASU is dedicated to providing all learners with accessible and valuable pathways to knowledge, and preparing universal learners capable of lifelong adaptation.

Learn More ⇾ [2]

**Student success**
ASU is advancing a student-centric, adaptive design that is nimble and responsive to the needs of learners and the imaginations of faculty and leadership.

Learn More ⇾ [3]

**University design**
ASU embraces a design mindset focused on relevance, perpetual innovation, outcomes, and creative collaboration that promotes effective solutions.

Learn More ⇾ [4]

**Sustainability**
Sustainability is a guiding principle at ASU, which drives the development of education, discovery and practices that empower individuals to create a sustainable world.

Learn More ⇾ [5]

**Social embeddedness**
ASU listens and advances solutions by fostering meaningful partnerships with individuals and organizations across the community who share our vision.

Learn More ⇾ [6]

**Global engagement**
Global engagement is a core design aspiration that inspires ASU's innovative international alliances and expands the scope of our education and discovery programs.

Learn More ⇾ [7]

**Science policy**
ASU is committed to the pursuit of use-inspired, world-class research capable of having meaningful social impact.

Learn More ⇾ [8]

**Diversity**
ASU is committed to inclusion, ethnic, intellectual, socioeconomic and cultural, and advancing knowledge that reflects the deepest possible grasp of diverse perspectives.

Learn More ⇾ [9]

**Source URL:** https://president.asu.edu/ideas-and-issues

**Links:**
[1] https://president.asu.edu/ideas-and-issues/excellence
[2] https://president.asu.edu/ideas-and-issues/access
[3] https://president.asu.edu/ideas-and-issues/student-success
[4] https://president.asu.edu/ideas-and-issues/university-design
[5] https://president.asu.edu/ideas-and-issues/sustainability
[6] https://president.asu.edu/ideas-and-issues/social-embeddedness
[7] https://president.asu.edu/ideas-and-issues/global-engagement
[8] https://president.asu.edu/ideas-and-issues/science-policy
[9] https://president.asu.edu/ideas-and-issues/diversity

# Diversity

ASU is committed to inclusion, ethnic, intellectual, socioeconomic and cultural, and advancing knowledge that reflects the deepest possible grasp of diverse perspectives.

Culture at ASU - This is who we are | Arizona State University video [1] on Youtube.

Learn more at inclusion.asu.edu [2]

## Related

**Access**
ASU is dedicated to providing all learners with accessible and valuable pathways to knowledge, and preparing universal learners capable of lifelong adaptation.

Learn More ⇾ [3]

**Science policy**
ASU is committed to the pursuit of use-inspired, world-class research capable of having meaningful social impact.

Learn More ⇾ [4]

**Social embeddedness**
ASU listens and advances solutions by fostering meaningful partnerships with individuals and organizations across the community who share our vision.

Learn More ⇾ [5]

See all Ideas & Issues [6]

**Source URL:** https://president.asu.edu/ideas-and-issues/diversity

**Links:**
[1] https://www.youtube.com/watch?v=7Rw5_5_P06k
[2] inclusion.asu.edu
[3] https://president.asu.edu/ideas-and-issues/access
[4] https://president.asu.edu/ideas-and-issues/science-policy
[5] https://president.asu.edu/ideas-and-issues/social-embeddedness
[6] https://president.asu.edu/ideas-and-issues

## Inclusive excellence

Learn more [1]

### Embracing our diverse community

Arizona State University is deeply committed to our position as a New American University by enabling academic excellence, accessibility, and impact in communities around the world. This commitment requires our faculty and staff to reflect a workforce of diverse identities, so that our students may learn from the broadest perspectives, and engage with the most inclusive solutions possible.

Student Coalitions [2]
Professional Associations [2]
Alumni Chapters [2]

### A New American University

A new model for the American research university, creating an institution committed to excellence, access and impact; catalyzing social transformation, entrepreneurship and research to address society’s biggest challenges.

ASU Charter Mission and Goals video [3] on Youtube.

ASU Charter [4]

## Our initiatives are expansive and evolving

**Hispanic Serving Institution Designation**
We embrace the culture of our community and catalyze social change through deepened partnership and collaborations in support of our hispanic community.
Pathways to opportunity [5]

**Listen, Invest, Facilitate and Teach Initiative**
In order to accelerate meaningful change in alignment with a national agenda for social justice, we committed to a series of actions to enhance access, growth, and opportunity for our black community.
Our Commitment [6]

**ASU Advance**
Funded by the National Science Foundation, Advance translates the commitment of equity and inclusion in our Charter to that of faculty at all career stages.
Faculty resources and tools [7]

**Center for the Study of Race and Democracy**
As the only entity in the state to position race and democracy in direct relation with each other, the center facilitates powerful and informed dialogues that deepen our understanding of historical issues and possibilities.
Join the dialogue [8]

## Quick facts

**#1 Public university in the U.S. chosen by international students**
ASU is ranked the top public university in the U.S., and in the top five nationally, chosen by international students, according to the 2022 Institute of International Education Open Doors Report. During the 2021-22 academic year, ASU was home to more than 15,293 international students from more than 158 countries.
Learn more [9]

**Top producer of Fulbright Awards for 11 consecutive years**
In 2021, ASU was one of only 10 universities that were top producers of Fulbright awards for both students and faculty, along with New York University, the University of Michigan, The Ohio State University and the University of Pennsylvania.
Learn more [10]

**ASU named 2022 HSI leader by Fulbright Program**
The State Department Bureau of Educational and Cultural Affairs announced ASU as one of 43 Fulbright Hispanic-Serving Institutions Leaders, from over 400 HSIs nationwide. This honor as a 2022 Fulbright HSI's Institutional Leader recognizes the university's dedication to promoting global engagement and mutual understanding among people and nations.
Learn more [11]

**ASU named a Hispanic-serving institution**
ASU has been named a Hispanic-Serving Institution by the U.S. Department of Education. Learn more about ASU's commitment to the Hispanic community, accessibility and inclusivity, including its participation in the newly formed Alliance of Hispanic-Serving Research Universities.
Learn more [12]

## Inclusive excellence in the news

**Read more** [13]

**Source URL:** https://inclusion.asu.edu/

**Links:**
[1] https://inclusion.asu.edu/about
[2] https://inclusion.asu.edu/connections
[3] https://www.youtube.com/watch?v=mPxGvoPE92g
[4] https://newamericanuniversity.asu.edu/about/asu-charter-mission-and-goals
[5] https://hsi.asu.edu/academics
[6] https://advance.asu.edu/
[7] https://president.asu.edu/commitment
[8] https://csrd.asu.edu/
[9] https://news.asu.edu/20221114-global-engagement-asu-no-1-public-university-us-hosting-international-students
[10] https://news.asu.edu/20210218-university-news-asu-top-producer-fulbright-awards-both-students-faculty
[11] https://news.asu.edu/20221013-global-engagement-asu-named-2022-hsi-leader-fulbright-program
[12] https://hsi.asu.edu/
[13] https://inclusion.asu.edu/news

# Diversity philosophy

Arizona State University is deeply committed to positioning itself as one of the great new universities by seeking to build excellence, enhance access and have an impact on our community, state, nation and the world.

To do that requires our faculty and staff to reflect the intellectual, ethnic and cultural diversity of our nation and world so that our students learn from the broadest perspectives, and we engage in the advancement of knowledge with the most inclusive understanding possible of the issues we are addressing through our scholarly activities.

As one part of this commitment, we have developed a strategic plan for diversity at ASU. Developed in consultation with a wide variety of constituencies within the university and the deans, this plan, called “Building blocks for success through people, programming and policies,” contains a statement that serves as an ongoing touchstone of our commitment, and several specific initiatives that will change and evolve over time, depending on the challenges and opportunities we have before us.

Diversity is defined in terms of representation and inclusion. Representation reflects the extent to which our students, staff, faculty and administrators proportionately reflect the regional and national populations served by our public institution. Inclusion encompasses empowerment and voice among all members of the university community in the areas of scholarship, teaching, learning and governance.

We recognize that race and gender historically have been markers of diversity in institutions of higher education; we further believe that diversity includes additional categories such as socioeconomic background, religion, sexual orientation, gender identity, age, disability, veteran status, nationality and intellectual perspective.

**Source URL:** https://inclusion.asu.edu/diversity

# President's commitment to our Black community

ASU is committed to accelerating meaningful change here at the university and to contributing to a national agenda for social justice.

## LIFT: ASU's commitment to Black students, faculty and staff

In order to accelerate meaningful change here at ASU and to contribute to a national agenda for social justice, ASU has committed to a series of actions known as the **LIFT (Listen, Invest, Facilitate, Teach) Initiative**. These actions are in response to an accumulation of ideas, and public comments from ASU’s students, faculty and staff. LIFT is being undertaken with the goal of enhancing diversity, growth and opportunity for Black undergraduate and graduate students, faculty and staff, while also expanding ASU's academic offerings, community services and collaborative relationships to the benefit of all underrepresented groups and individuals at ASU.

---

**News and Updates**
Learn more [1]

**Events**
Learn more [2]

**Read the full statement by ASU President, Michael Crow**
Learn more [3]

**Resources**
Learn more [4]

**Questions/Feedback**
Learn more [5]

**The LIFT Report**
Learn more [6]

## The LIFT initiative

LIFT Initiative: A conversation with President Crow video [7] on Youtube.

A university-wide effort launched to address social transformation in the spirit of ASU's charter, the LIFT Initiative is committed to the implementation of 25 actions designed to support Black faculty, staff and students at ASU. Achieving LIFT's aims will support ASU's ongoing efforts to develop and advance a culture of belonging and excellence. Under four categories that endeavor to Listen, Invest, Facilitate and Teach, LIFT's 25 actions welcomes the collaboration and participation of all members of the ASU community.

## Listen

**lis·ten** /'lis(ə)n/ *verb* make an effort to hear; pay attention; take notice of and act on what someone says

Listen: Perspectives from Advisory Council Members video [8] on Youtube.

**L1**
Launch the Faculty Inclusion Research for System Transformation (FIRST). FIRST will undertake a historical study of race and discrimination at the University.

**L2**
Convene a regular series of discussions about the implementation of the 25 commitments that compose the LIFT Initiative with the chairpersons of the Advisory Council on African American Affairs and the Vice Provost for Inclusion and Community. Discussions will include the continued development and advancement of new ideas to facilitate the goals and activities reflected in these commitments.

**L3**
Publish a report on the state of Black students, faculty and staff. This will be an annual report on recruitment, retention, and graduation data including how ASU ranks in relation to peer institutions. The report will feature the successes, ideas and works of Black students, faculty and staff.

**L4**
Enhance service support to student organizations and their initiatives on behalf of Black students including, but not limited to, the African American Men of Arizona State University, Sankofa, STARS and the Black African Coalition.

## Invest

**in·vest** /in' vest/ *verb* devote time, effort, energy or money to a particular undertaking with expectations of rewarding results

Invest: Perspectives from Advisory Council Members video [9] on Youtube.

**I1**
Establish the Advisory Council on African American Affairs. Comprised of faculty, staff and students, the Council will assist the president in ensuring the success of Black faculty and staff, and the growth of students while also convening and engaging the Black community at ASU, locally and nationally on a variety of issues.

Learn more [10]

**I2**
Establish a multicultural space on campus and fund a working group to assess and begin design options for this space. The Multicultural Space Workgroup will define the vision for the space to advance recommendations for design options by the end of Spring 2021.

Learn more [11]

**I3**
Initiate Community Advocates, a new class of graduate fellowships for students of color. Community Advocates will support the needs of students and help them navigate campus life across all disciplines.

**I4**
Prioritize the practice of cluster hiring to recruit and retain leading faculty members from underrepresented groups with the goal to recruit at least ten positions each year for the next five years.

**I5**
Appoint a Black tenured faculty member to Barrett, The Honors College to attract and retain top Black students. Responsibilities for this position will include the establishment and management of the Black Excellence Scholar Track (BEST), a summer program to benefit outstanding Black Arizona and regional high school students.

**I6**
Host an annual spring graduate recruitment fair for undergraduates of color across all disciplines with scholarship investments in acute areas of underrepresentation.

## Facilitate

**fa·cil·i·tate** /fə’ silə tāt/ *verb* assist or make (an action or process) easy or easier

Facilitate: Perspectives from Advisory Council Members video on Youtube.
https://www.youtube.com/watch?v=fFwVGRzJsCs

**F1**
Promote the success and well-being of all students of color in keeping with ASU’s goals to pursue a student body that reflects the people and changing demographics of the state of Arizona. This includes, but is not limited to, realizing undifferentiated outcomes in student retention and graduation for Black students. This work is articulated in ASU’s charter, mission and goals and will be accelerated with and through the mechanisms, activities and investments reflected in the 25 actions identified in the LIFT Initiative and in the work of the President's Advisory Council on Inclusion and Success.

**F2**
Support the activities of the Vice Provost for Inclusion and Community Engagement in prioritizing the university-wide effort for inclusion and awareness. The vice provost will work closely with committees within each college working to achieve goals related to justice, equity, diversity and inclusion.

**F3**
Implement a program of service time that will encourage employees to participate in mentorship programs for Black and other students at ASU and pursue professional growth opportunities that uphold ASU’s commitment to inclusion. Faculty and staff participating in such programs will be recognized in annual evaluations and tenure and promotion processes. Programs will be encouraged throughout leadership ranks.

**F4**
Enhance the mission, resources and services of the Center for the Study of Race and Democracy under the leadership of the Center's Director and support from the Office of the Provost.

**F5**
Facilitate institutional support for the annual A. Wade Smith Memorial Lecture on Race Relations. Support includes but is not limited to funding, promotion, and other resources.

## Teach

**teach** /tēCH/ *verb* educate; enlighten; instruct; show or explain how to do something

Teach: Perspectives from Advisory Council Members video on Youtube. https://www.youtube.com/watch?v=92rJ3d2-raY

**T1**
Establish a Presidential Postdoctoral Fellowship Program in the goal toward diversifying the faculty of the university. The program will fund a minimum of 30 postdoctoral fellowships from underrepresented communities. After successful completion of the program, graduates will have a path to continue on in a tenure-track position.

Learn more [12]

**T2**
Establish 50 new graduate assistantships over the next two to three years for underrepresented students.

Learn more [13]

**T3**
Establish a university-wide student entrepreneurship, career advising and student success initiative to inspire and assist Black students and all students of color. Under the direction of the Undergraduate Office and in collaboration with key Arizona businesses and community leaders, this initiative will provide exposure to career options and pathways to post-graduate opportunities throughout the state.

**T4**
Develop and implement training procedures for faculty and staff participating in search committees to better identify and address issues such as systemic bias in candidate hiring.

**T5**
Implement the “To Be Welcoming” training for all new and continuing ASU employees and students in collaboration with Human Resources.

**T6**
Establish a new Bachelor of Arts degree in Race, Culture and Democracy to be launched by the College of Integrative Sciences and Arts, the New College of Interdisciplinary Arts and Sciences and The College of Liberal Arts and Sciences (School of Social Transformation) with support from the Center for the Study of Race and Democracy.

**T7**
Reimagine and enhance the efforts of the campus police force to meet the overall needs of the ASU community. Through consultation, education and opportunity, this initiative endeavors to establish a police force comprised of baccalaureate degree-holding members and a certification program to train members in racial sensitivity, conflict de-escalation, mental health and crisis intervention.

**T8**
Affirm and foster race and multicultural solidarity within and among ASU’s interdisciplinary academic centers with the support of endowments.

**T9**
Fund and sustain the Community-Driven Archives Initiative in the ASU Library in order to enhance the historical records and the University’s engagement with underrepresented communities.

Learn More [14]

**T10**
Launch a multi-college interdisciplinary initiative to help reduce inequality in the United States in partnership with experts in civil rights and civil liberties.

Learn more [15]

**Source URL:** https://president.asu.edu/commitment

**Links:**
[1] https://president.asu.edu/commitment/news-and-updates
[2] https://president.asu.edu/commitment/town-halls
[3] https://president.asu.edu/statements/asus-commitment-to-black-students-faculty-and-staff
[4] https://president.asu.edu/commitment/resources
[5] https://forms.gle/SuwWXQ3p7vDr4bbeA
[6] https://president.asu.edu/commitment/lift-report
[7] https://www.youtube.com/watch?v=uWN8LeyQ-n0
[8] https://www.youtube.com/watch?v=Q622Aq37Ij4
[9] https://www.youtube.com/watch?v=_68WR15DwxE
[10] https://president.asu.edu/commitment/advisory-council-on-african-american-affairs
[11] https://eoss.asu.edu/multicultural-communities
[12] https://graduate.asu.edu/presidential-postdoctoral-fellowship-program
[13] https://graduate.asu.edu/current-students/funding-opportunities/awards-and-fellowships/presidential-graduate-assistantship
[14] https://news.asu.edu/20220118-arizona-impact-new-library-collections-feature-one-asus-first-black-professors
[15] https://thedifferenceengine.asu.edu/

# Office of the President

## ASU commitment to American Indian tribes

Arizona State University is located in Indian Country; there are 22 tribal nations in Arizona. The Tempe campus sits on the ancestral homelands of those American Indian tribes that have inhabited this place for centuries, including the Akimel O'odham (Pima) and Pee Posh (Maricopa) peoples.

In keeping with the design aspirations of the New American University, ASU seeks to embrace our place, connect with tribal communities, and enable the success of each American Indian student. We reaffirm the university's commitment to these goals and acknowledge that everyone, the entire ASU community, is responsible for their achievement.

ASU continues to develop an impressive cohort of scholars engaged in American Indian cultural, social, educational, legal, and economic issues. We have built world-class programs in American Indian Studies, American Indian Legal Studies, and Indigenous conceptions of justice. Our work, however, is not complete. We must further enhance our capacity to leverage place, transform society, conduct use-inspired research, enable student success, work across disciplines, integrate Indigenous knowledge and engage Indigenous issues globally. We are committed to providing access, retaining and graduating American Indian students in a climate that is welcoming and respectful of their languages and cultures. Foundational to these goals, we commit to creating an environment of success and possibility for American Indian students at ASU.

We are dedicated to supporting tribal nations in achieving futures of their own making. We will partner with tribal nations to: address the ravages of paternalism; improve educational achievement of American Indian children, youth, and adults; create innovative and appropriate use and development of natural resources; conceptualize and implement responses to physical and mental health challenges; and build and strengthen leadership capacities to address challenges for Native nations in the 21st Century and beyond. And we will enhance and foster an environment of success and unlimited possibilities for American Indians at ASU.

This work acknowledges our indisputable recognition of place and reinforces our mission as the New American University.

Michael M. Crow
President
Arizona State University
August 31, 2015

**Source URL:** https://americanindianaffairs.asu.edu/tribal%20relations/office-president

# Serving Native American and Indigenous communities

## It is no accident that Arizona State University is a national leader in serving Native American and Indigenous students.

This has been a university priority for decades, ever since we established the Center for Indian Education in 1959 as one of the first tribal-specific education programs in the nation.

We are committed to supporting student success, graduation with as little debt as possible, and helping to maintain their overall well-being.

We recognize how important it is to reaffirm our commitment to Indigenous peoples and to continue to expand our commitment to Native American tribal nations and communities.

Jacob Moore: Serving ASU's Indigenous students and communities (ASU) video [1] on Youtube.

Jacob Moore is vice president and special advisor to the president for American Indian affairs at Arizona State University

## Our growing community

**76% growth**
in Indigenous students
at ASU since 2012

**200 tribes**
represented across ASU

**4,000**
Indigenous students
attend ASU on campus
or online

**600+**
Indigenous students
earned ASU degrees in
2021 and 2022

## Notable Native American faculty

**Stacy Leeds**
Willard H. Pedrick Dean
and Regents Professor of Law,
Sandra Day O'Connor
College of Law

**Natalie Diaz**
Maxine and Jonathan
Marshall Chair in Modern
and Contemporary Poetry,
Professor,
ASU Department of English
Pulitzer Prize-winning poet
MacArthur Fellow

**Madeline Sayet**
Clinical Assistant Professor,
ASU Department of English
Broadway playwright

**Matt Ignacio**
Assistant Professor,
ASU School of Social Work

## ASU Indigenous land acknowledgement

ASU Indigenous Land Acknowledgement video [2] on Youtube.

We acknowledge that Arizona State University is built on the ancestral homelands of Indigenous communities who have inhabited this land for centuries, including the Akimel O'odham (Pima) and Pee Posh (Maricopa) peoples. We honor those who have stewarded this land throughout generations.

## Native American and Indigenous programs

### Academic programs

American Indian studies [3]

Construction in Indian Country [4]

Indian legal program [5]

Office of American Indian projects - social work [6]

### Student/alumni support

American Indian student support services [7]

Native American alumni chapter [8]

### Research

American Indian policy institute [9]

Center for Indian Education [10]

Labriola National American Indian data center [11]

### INSPIRE Program

Inspire Students video [12] on Vimeo.

### Graduation

American Indian Initiative video [13] on Vimeo.

## American Indian student support services

AISSS provides services to all Indigenous students to ensure they will successfully progress towards educational excellence and graduate to become self-reliant individuals who effectively give back to their families and communities. We provide warm, inclusive spaces which students like you have affectionately named "home away from home." There are AISSS locations on all campuses where students study and relax, and Success Staff are available both on-campus and online to be there for you.

## Native American and Indigenous student engagement

**Alliance of Indigenous peoples**
Learn more [14]

**Miss & Mr. Indian ASU committee**
Learn more [15]

**Alpha Pi Omega sorority Inc.**
Learn more [16]

**American Indian social work student association**
Learn more [17]

**American Indian science and engineering society**
Learn more [18]

**Barrett Indigenous culture association**
Learn more [19]

**American Indian graduate student association**
Learn more [20]

**Native American law students association**
Learn more [21]

**Native American business organization**
Learn more [22]

**Construction in Indian country student organization**
Learn more [23]

**Source URL:** https://president.asu.edu/tribal

**Links:**
[1] https://www.youtube.com/watch?v=ze9t8zUAfj8
[2] https://www.youtube.com/watch?v=u3m0VXXyPPM
[3] https://americanindian.asu.edu/
[4] https://ciic.construction.asu.edu/
[5] https://law.asu.edu/indian-legal-program
[6] https://socialwork.asu.edu/office-american-indian-projects
[7] https://universitycollege.asu.edu/student-support/aisss
[8] https://alumni.asu.edu/chapters/native-american-alumni-chapter
[9] https://aipi.asu.edu/
[10] https://center-for-indian-education.asu.edu/home
[11] https://lib.asu.edu/labriola
[12] https://vimeo.com/207822521
[13] https://vimeo.com/166846507
[14] https://asu.campuslabs.com/engage/organization/alliance-of-indigenous-peoples
[15] https://asu.campuslabs.com/engage/organization/mmiasu
[16] https://asu.campuslabs.com/engage/organization/alpha-pi-omega-sorority-inc
[17] https://orgsync.com/29933/chapter
[18] https://orgsync.com/12132/chapter
[19] https://www.facebook.com/BICA.ASU
[20] https://orgsync.com/18082/chapter
[21] https://orgsync.com/56482/chapter
[22] https://orgsync.com/11956/chapter
[23] https://orgsync.com/29935/chapter

# Academic accreditation

## Arizona Board of Regents

### Promise to Arizona

#### The Board’s promise to Arizona

Increase postsecondary access and attainment for Arizona students; to seek solutions to societal challenges; and to do both while increasing quality, affordability and efficiency.

#### Mission

The Arizona Board of Regents is committed to ensuring access for qualified residents of Arizona to undergraduate and graduate institutions; promoting the discovery, application and dissemination of new knowledge; extending the benefits of university activities to Arizona’s citizens outside the university; and maximizing the benefits derived from the state’s investment in education.

#### Vision

The Arizona Board of Regents seeks to provide leadership and a unifying voice on key higher education issues and to influence public policy through advocacy and initiatives founded upon evidence based research. Synergies from a unified higher education system will provide access and the highest quality education to Arizona's citizens.

The Arizona public universities provide bachelor's level and higher public education, advance human knowledge through scholarly research and creative expression, and serve key roles as major partners in statewide economic development and community advancement.

#### History

In 1864, the first Territorial Legislature authorized the establishment of the University of Arizona and provided for the management, direction, governance and control by a Board of Regents. The state colleges, one in Tempe and one in Flagstaff, were governed by a three-member State Board of Education that included the superintendent of public instruction and two members appointed by the governor.

In March of 1945, the governor signed House Bill 136 uniting the governing boards of the university and state colleges of Arizona. The authority of the Board of Regents expanded to include the Arizona State Teachers College at Tempe (since 1958 Arizona State University), and Arizona State Teachers College at Flagstaff (since 1966 Northern Arizona University).

**Source URL:** https://www.azregents.edu/about/promise-arizona

### Regents

The Arizona Board of Regents is the governing board for the state’s public universities: Arizona State University, Northern Arizona University, and the University of Arizona. The board provides policy guidance in such areas as: academic and student affairs; financial and human resource programs; student tuition, fees, and financial aid programs; university capital development plans; strategic plans; legal affairs; and public and constituent outreach.

The board consists of twelve members, eleven voting and one non-voting. This includes the governor and superintendent of public instruction as ex-officio members, each serving while they hold office, and two student regents.

Except for ex-officio members and student regents, and as noted, the term of a regent is eight years. As regents finish their terms, new regents are appointed by the governor and confirmed by the Senate.

| | | | |
|---|---|---|---|
| **Fred DuVal** [1]<br>Chair | **Cecilia Mata** [2]<br>Chair Elect | **Lyndel Manson** [3]<br>Treasurer | **Robert J. Herbold** [4]<br>Secretary |
| **Larry Edward Penley** [5]<br>Regent | **Jessica Pacheco** [6]<br>Regent | **Doug Goodyear** [7]<br>Regent | **Gregg Brewster** [8]<br>Regent |
| **Katelyn Rees** [9]<br>Student Regent, Assistant Treasurer | **David Zaragoza** [10]<br>Student Regent | **Katie Hobbs** [11]<br>Governor | **Tom Horne** [12]<br>Superintendent of Public Instruction |

**Source URL:** https://www.azregents.edu/about/leadership/board-members

**Links:**
[1] https://www.azregents.edu/node/722
[2] https://www.azregents.edu/node/724
[3] https://www.azregents.edu/node/719
[4] https://www.azregents.edu/node/726
[5] https://www.azregents.edu/node/718
[6] https://www.azregents.edu/node/725
[7] https://www.azregents.edu/node/728
[8] https://www.azregents.edu/node/727
[9] https://www.azregents.edu/node/470
[10] https://www.azregents.edu/node/1776
[11] https://www.azregents.edu/node/1393
[12] https://www.azregents.edu/node/1392

# University Program Review and Accreditation Office

## Welcome to the University Program Review and Accreditation (UPRA) Office

The University Program Review and Accreditation Office is housed within the Office of the University Provost, and is responsible for ensuring the quality education provided at Arizona State University. We do this through a few branches of work which are outlined below. Please visit our individual web pages to get a more detailed overview of each section.

Verify status here [1].

All Arizona State University academic programs are fully accredited by the Higher Learning Commission.

## Liaison to the Higher Learning Commission (HLC)

The UPRA Office monitors institutional compliance with HLC policies and assumed practices and coordinates the institutional reviews for continuing accreditation by the HLC. UPRA also facilitates HLC approval of program and/or institutional changes when required. Currently, our big project is preparing for our ten-year HLC comprehensive reaccreditation visit [2] in 2022–2023.

## Specialized accreditation oversight

The UPRA Office works closely with academic units and programs that seek new accreditation or seek re-accreditation [3] from external governing bodies. These accreditations ensure our programs adhere to industry and national standards. Our oversight includes coordinating meetings between site visitors and university administrators, reviewing self-studies and briefing papers, collecting site visitor reports and responses to the report, as well as acting as the repository for all accreditation documents.

## Academic program review oversight

The Arizona Board of Regents (2-208) requires academic program reviews [4] at least once every seven years. Periodic program reviews provide a mechanism for faculty to evaluate the effectiveness, progress and status of their academic

programs on a continuous basis. The UPRA Office is responsible for oversight of program reviews. Our office coordinates the academic program review process, which covers all program inventory of an academic unit including undergraduate and graduate programs as well as other curricular and co-curricular offerings. The reviews include a review of faculty contributions to the unit, facilities and resources, attention to missions, and many other aspects of the unit to ensure continuous quality improvement.

## Centers and institutes oversight

Arizona State University is home to various centers and institutes [5] that blend the passions of exceptional teachers and scholars across disciplines. Our centers and institutes address large, complex problems and challenges facing society in hopes of finding solutions and making the world a better place. University Program Review and Accreditation Office provides review oversight for these centers and institutes.

**Source URL:** https://provost.asu.edu/upra

**Links:**
[1] https://www.hlcommission.org/General/mark-of-accreditation-status-verification.html?104108099+11809710810510009711610511111 0+10811110311104611211010 3+10411611611211505804704711211411111811111511604609711511704610110011704 7&UGxEQk3X8u80qdqfdWHqzSO3iuZO2NztTROJ5Vuon7A%3d
[2] https://provost.asu.edu/hlc
[3] https://provost.asu.edu/accreditation/programs-specialized-accreditation
[4] https://provost.asu.edu/upra/academic-program-review
[5] https://www.asu.edu/academics/centers-and-institutes

## Purpose and guiding principles

Academic Program Review is part of the University Program Review and Accreditation Office.

The Arizona Board of Regents (2-208) requires Academic Program Reviews at least once every seven years. Periodic program reviews provide a mechanism for faculty to evaluate the effectiveness, progress and status of their academic programs on a continuous basis. At Arizona State University, the Executive Director for the University Program Review and Accreditation (UPRA) Office also serves as the Accreditation Liaison Officer (ALO) for ASU with the Higher Learning Commission. The UPRA Office in the Office of the University Provost coordinates the Academic Program Review process, which covers all program inventory of an academic unit including undergraduate and graduate programs as well as other curricular offerings housed within the unit under review.

The program review process is intended to provide a comprehensive assessment of the current status of an academic unit based on its programs, activities and achievements since its last program review while also providing the unit the opportunity to think strategically regarding its curricular offerings and its future direction. In doing so, the unit provides comparisons with its peers, identifies strengths and weaknesses in its curricula and pedagogy; assesses student quality and learning outcomes; provides an account of faculty contributions in teaching, research/creative activities, and service; assesses resource availability and needs; and summarizes special features or services provided by the unit. Finally, and perhaps most importantly, the program review should allow the unit, in conjunction with the university, to plan to build on existing strengths, maximize opportunities for growth and innovatively problem-solve.

**APR for units with specialized accreditation**
Arizona Board of Regents Policy allows specialized accreditation reports to substitute for an APR, although expectations are that areas missed in the specialized review are addressed separately. For example, ABET reviews only undergraduate engineering programs, so the UPRA Office also gathers a review of graduate programs using a modified self-study template (see the example from the School of Electrical, Computer and Energy Engineering [1]).

The APR process allows the unit to evaluate thoroughly and candidly:

- The mission and goals of the program and its relation to those of the university.
- Its future direction and strategic initiatives.
- The reputation of the program among peers in the discipline.
- The educational objectives, curriculum, and student learning outcomes of undergraduate and graduate programs.
- The quality of teaching and retention and graduation rates for undergraduate and graduate students.
- The quality and diversity of faculty and staff (including retention rates for underrepresented faculty) and their contributions to program mission and goals.
- Resources (e.g., laboratories, physical facilities)

- Readiness for accreditation, if appropriate.

The guiding principles for the APR process include:

- The process should be broadly participatory involving faculty, students, staff administrators and relevant community constituents.
- The APR should provide a framework for excellence; an opportunity to explore, enhance, and integrate student learning and faculty teaching, service and scholarly efforts into the unit's mission and goals.
- The process should facilitate short-term and long-term strategic planning in areas such as curricula development, resource allocation (e.g., financial, physical), faculty/staff hiring/workload and research foci.
- The APR provides the opportunity for the university to account for its use of public resources and facilitate relationships with its various constituencies.

Those directly responsible for the APR process should familiarize themselves with all parts of the manual [2] along with the related checklists and appendices [3].

**Source URL:** https://provost.asu.edu/upra/academic-program-review

**Links:**
[1] https://provost.asu.edu/sites/default/files/page/2268/ecee-self-study-2021-22-final.pdf
[2] https://provost.asu.edu/upra/academic-program-review/manual
[3] https://provost.asu.edu/upra/academic-program-review/appendices

# Programs with specialized accreditation

Arizona State University programs with specialized accreditation are listed by academic unit.

## College of Health Solutions

| Accredited programs | Accrediting agencies |
|---|---|
| BS, Dietetics<br>MS, Nutritional Science with ACEND-Accredited Dietetic Internship | Accreditation Council for Education in Nutrition and Dietetics (ACEND) |
| MS, Genetic Counseling | Accreditation Council for Genetic Counseling (ACGC) |
| AuD, Audiology<br>MS, Communication Disorders | Council on Academic Accreditation |
| BAS, Applied Science | National Accrediting Agency for Clinical Laboratory Sciences |

## College of Integrative Sciences and Arts

| Accredited programs | Accrediting agencies |
|---|---|
| PhD, Counseling Psychology | American Psychological Association (APA) |

## Edson College of Nursing and Health Innovation

| Accredited programs | Accrediting agencies |
|---|---|
| BSN, Nursing<br>DNP, Advanced Nursing Practice<br>MS, Nursing | Arizona State Board of Nursing/Commission of Collegiate Nursing Education (CCNE) |
| MS, Clinical Research Management | Commission on Accreditation of Allied Health Education Programs |

## Herberger Institute for Design and the Arts

### School of Music

| Accredited programs | Accrediting agencies |
|---|---|
| BMUS, Music Therapy<br>MM, Music Therapy | American Music Therapy Association (AMTA) |
| BA, Music<br>BMUS, Music Education<br>BMUS, Music Therapy<br>BMUS, Performance<br>BMUS, Theory & Composition<br>DMA, Music<br>MA, Music<br>MM, Composition<br>MM, Music Education<br>MM, Music Therapy<br>MM, Performance<br>PhD, Music | National Association of Schools of Music (NASM) |

## The Design School

| Accredited programs | Accrediting agencies |
|---|---|
| BSLA, Landscape Architecture<br>MLA, Landscape Architecture | Landscape Architectural Accreditation Board (LAAB) |
| MArch, Architecture | National Architectural Accrediting Board (NAAB) |
| BSD, Graphic Design<br>BSD, Industrial Design<br>MID, Industrial Design<br>MVCD, Visual Communication Design | National Association of Schools of Art and Design (NASAD) |
| BSD, Interior Design<br>MIA, Interior Architecture | Council for Interior Design Accreditation (CIDA) |

## Ira A. Fulton Schools of Engineering

| Accredited programs | Accrediting agencies |
|---|---|
| BS, Graphic Information Technology | Accrediting Council for Collegiate Graphic Communications, Inc. (ACCGC) |
| BS, Construction Management & Technology | American Council for Construction Education (ACCE)<br>Applied and Natural Science Accreditation Commission of ABET (ANSAC) |
| BS, Aeronautical Management Technology<br>BS, Air Traffic Management | Aviation Accreditation Board International (AABI) |
| BS, Computer Science<br>BS, Information Technology | Computing Accreditation Commission of ABET |

| | |
|---|---|
| BS, Manufacturing Engineering<br>BS, Software Engineering<br>BSE, Aerospace Engineering<br>BSE, Biomedical Engineering<br>BSE, Construction Engineering<br>BSE, Chemical Engineering<br>BSE, Civil Engineering<br>BSE, Computer Systems Engineering<br>BSE, Electrical Engineering<br>BSE, Engineering<br>BSE, Engineering Management<br>BSE, Environmental Engineering<br>BSE, Industrial Engineering<br>BSE, Materials Science & Engineering<br>BSE, Mechanical Engineering | Engineering Accreditation Commission of ABET |

## Sandra Day O'Connor College of Law

| Accredited programs | Accrediting agencies |
|---|---|
| JD, Law | American Bar Association (ABA) |

## The College of Liberal Arts and Sciences

### Department of Psychology

| Accredited programs | Accrediting agencies |
|---|---|
| PhD, Psychology (clinical training) | American Psychological Association (APA) |
| PhD, Psychology (clinical training) | Psychological Clinical Science Accreditation System (PCSAS) |

### School of Geographical Sciences and Urban Planning

| Accredited programs | Accrediting agencies |
|---|---|
| MUEP, Urban & Environmental Planning | Planning Accreditation Board (PAB) |

## School of Mathematical and Statistical Sciences

| Accredited programs | Accrediting agencies |
|---|---|
| BS, Actuarial Science | Society of Actuaries |

## School of Molecular Sciences

| Accredited programs | Accrediting agencies |
|---|---|
| BS, Chemistry | American Chemical Society |

## Thunderbird School of Global Management

| Accredited programs | Accrediting agencies |
|---|---|
| BGM, Global Management<br>BS, International Trade<br>MA, Global Affairs & Management<br>MALM, Applied Leadership & Management<br>MGM, Global Management | American Association of Colleges and Schools of Business (AACSB) International |

## Walter Cronkite School of Journalism and Mass Communication

| Accredited programs | Accrediting agencies |
|---|---|
| BA, Journalism & Mass Communication<br>BA, Sports Journalism<br>MA, Investigative Journalism<br>MA, Sports Journalism<br>MCC, Mass Communication | Accrediting Council on Education in Journalism and Mass Communications (ACEJMC) |

## Watts College of Public Service and Community Solutions

| Accredited programs | Accrediting agencies |
|---|---|
| BS, Parks & Recreation Management<br>BS, Recreation Therapy | Council on Accreditation for, Parks, Recreation, Tourism and Related Professions (COAPRT) |
| BS, Nonprofit Leadership & Management<br>Master of Nonprofit Leadership & Management | Nonprofit Academic Centers Council (NACC) |

## School of Public Affairs

| Accredited programs | Accrediting agencies |
|---|---|
| MPA, Public Administration | Network of Schools of Public Policy, Affairs, and Administration (NASPAA) |

## School of Social Work

| Accredited programs | Accrediting agencies |
|---|---|
| BSW, Social Work<br>MSW, Social Work | Council of Social Work Education (CSWE) Commission on Accreditation (COA) |

## W. P. Carey School of Business

| Accredited programs | Accrediting agencies |
| --- | --- |
| BA, Business<br>BS, Accountancy<br>BS, Business Administration<br>BS, Business Data Analytics<br>BS, Business Entrepreneurship<br>BS, Computer Information Systems<br>BS, Economics<br>BS, Finance<br>BS, Management<br>BS, Marketing<br>BS, Supply Chain Management<br>DBA, Global Financial Management<br>MACC, Accountancy<br>MBA, Business Administration<br>MHSM, Health Sector Management<br>MRED, Real Estate Development<br>MS, Business Analytics<br>MS, Economics<br>MS, Finance<br>MS, Global Logistics<br>MS, Information Systems Management<br>MS, Management<br>MS, Supply Chain Management<br>MS, Supply Chain Management & Engineering<br>MSP, Business Administration<br>MTAX, Taxation<br>PhD, Business Administration<br>PhD, Economics | Association to Advance Collegiate Schools of Business (AACSB International) |

**Source URL:** https://provost.asu.edu/accreditation/programs-specialized-accreditation

Higher Learning Commission

# Statement of Accreditation Status

*as of August 25, 2023*

## Arizona State University

P.O. Box 877705
Tempe, AZ 85287-7705
(480) 965-2100
www.asu.edu

**Previous names: Institution name changed from Arizona State Teachers College to Arizona State College at Tempe. (1945) Institution name changed from Arizona State College at Tempe to Arizona State University. (1959)*

---

The information on this page describes the accreditation relationship between this institution and the Higher Learning Commission. General information about the Commission and the accreditation process is provided at the end of this document. In addition, links to definitions are provided for many of the terms used.

---

## Accreditation Information

Current status: Accredited

- Action Letter - Reaffirmation of Accreditation

Accreditation granted: 01/01/1931 - Present

Most recent reaffirmation of accreditation: 2022 - 2023

Next reaffirmation of accreditation: 2032 - 2033

---

## Upcoming or In-Progress Reviews

| Date | Event | Description |
|---|---|---|
| 2026 - 2027: | Assurance Review | |
| 2032 - 2033: | Comprehensive Evaluation | |

HLC uses cookies to improve your experience on its website. View Privacy Notice Agree

## Most Recent History With HLC

| Date | Event | Description |
|---|---|---|
| 07/17/2023: | Comprehensive Evaluation | Reaffirm Accreditation |
| 09/27/2017: | Assurance Review | Review Completed |
| 07/27/2015: | Focused Visit | Accepted |
| 09/25/2013: | Reaffirmation of Accreditation | |

## General Institutional Information

*This section provides brief, general information about the institution's organization and scope as self-reported by the institution through its annual Institutional Update to HLC.*

*The U.S. Department of Education publishes a College Scorecard (available at https://collegescorecard.ed.gov/), which allows students to search and compare colleges: their fields of study, costs, admissions, results, and more. Additional information can also be found at nces.ed.gov/collegenavigator/.*

*Please note: All institutions are required to represent themselves accurately and consistently to multiple agencies. However, some information about institutions may appear differently among agencies depending on the timing of the institution's updates to those agencies or those agencies' definitions or standards. Such agencies should be consulted directly for further information. For example, an institution's "Control" (or "Type") may be categorized differently by the U.S. Department of Education for other purposes under its standards.*

Control: Public

Degree programs (number in each category): Associates (2), Bachelors (215), Masters (229), Doctoral (103)

Certificate programs (number offered): 245

Off-Campus Activities (This listing was last updated: 05/18/2023.) The institution's accreditation includes courses and programs at these approved sites. (This includes sites that are active and inactive (meaning approved but currently without students):

| Location | Campuses | Additional Locations |
|---|---|---|
| In-State: | None. | Arizona Western College - Yuma, Arizona<br>ASU at Mesa City Center - Mesa, Arizona<br>ASU at the Polytechnic Campus - Mesa, Arizona<br>ASU at the Downtown Phoenix Campus - Phoenix, Arizona<br>ASU at the West Campus - Glendale, Arizona<br>ASU@Northeastern Arizona - Show Low, Arizona<br>Central Arizona College - Coolidge, Arizona<br>Cochise College - Downtown Center - Sierra Vista, Arizona<br>Eastern Arizona College - Thatcher, Arizona<br>Foundation for Blind Children - Phoenix, Arizona<br>Lake Havasu - Lake Havasu City, Arizona<br>Mayo Clinic Hospital - Phoenix, Arizona<br>Mesa Public Schools Administrative Services Center - Mesa, Arizona<br>Phoenix College (Phoenix Metro Area) - Phoenix, Arizona<br>Pima Community College - Northwest Campus - Tucson, Arizona<br>Pima Community College - West Campus - Tucson, Arizona<br>Red Mountain Campus (Mesa CC) - Mesa, Arizona<br>SkySong - Scottsdale, Arizona<br>Sonoran Sky Elementary (Pendergast PDS Site) - Glendale, Arizona<br>Tucson - Tucson, Arizona |
| Out-of-State: | None. | ASU at Los Angeles - Los Angeles, California<br>ASU California Center - Broadway - Los Angeles, California<br>ASU California Center - Grand - Los Angeles, California<br>California College at ASU - Los Angeles, California<br>Washington Center - Washington, District of Columbia |
| Out-of-U.S.: | None. | Hainan University - Haikou Hainan Province, CHINA<br>Shanghai - Shanghai, CHINA<br>Shanghai Advanced Institute of Finance - Shanghai, CHINA |

HLC uses cookies to improve your experience on its website. View Privacy Notice Agree

# About HLC and Accreditation

The Higher Learning Commission (HLC) is an institutional accreditation agency that accredits degree-granting colleges and universities that are based in the United States.

Institutional accreditation validates the quality of an institution as a whole and evaluates multiple aspects of an institution, including its academic offerings, governance and administration, mission, finances, and resources. HLC's accreditation includes all degree levels as well as onsite and online course delivery. Institutions of higher education in the United States may also seek accreditation through specialized or programmatic accreditation agencies, which accredit programs, departments or schools within a college or university.

Institutions that HLC accredits are evaluated against its Criteria for Accreditation, a set of standards that institutions must meet to receive and/or maintain accredited status. HLC's Criteria for Accreditation reflect a set of Guiding Values.

The accreditation process is based on a system of peer review. Approximately 2,000 educators from institutions of higher education serve as HLC peer reviewers conducting accreditation evaluations for other institutions. They make recommendations to HLC's decision-making bodies, which take final action on institutional evaluations and are made up of both peer reviewers and public members.

# Evaluation Process

HLC accreditation assures quality by verifying that an institution (1) meets threshold requirements and (2) is engaged in continuous improvement. In addition, all institutions are required to data annually in the Institutional Update, undergo annual monitoring of financial and non-financial indicators, and adhere to HLC policies and practices, including Assumed Practices and Obligations of Membership.

# Decision Making

HLC's decision-making bodies evaluate and make decisions, called actions, on recommendations from peer review teams that review institutions for their compliance with HLC's Criteria for Accreditation and other requirements. The decision-making bodies are comprised of institutional representatives and public members. See Decision-Making Bodies and Processes for more information.

# Public Information

HLC is committed to providing information to the public regarding accreditation decisions made regarding individual institutions.

Actions that are taken by HLC regarding an institution's accreditation status are disclosed to the public. In cases of reaffirming continued accreditation, placing an institution on or reviewing a sanction, or withdrawing accreditation, the Action Letter issued to the institution is made available for viewing on the institution's Statement of Accreditation Status, found by searching the institution's name through HLC's online directory. Public Disclosure Notices are also issued and posted in the directory in cases of sanction, assigning or removing an institutional designation, resignation of accreditation or candidacy, institutional closing or withdrawal of accreditation by HLC. The PDN provides the public with the most applicable information from the posted Action Letter. HLC decision-making outcomes also are summarized on the HLC Institutional Actions page.

# Complaints Against Institutions

HLC has a formal complaint process, consisting of an online complaint form on the HLC website, for faculty, students and other parties to submit information regarding a member institution's potential non-compliance with HLC requirements. HLC does not accept complaints through mail, email or over the phone. As stated in HLC policy, the complaints process is designed to enable HLC to review, in a timely and fair manner, information that suggests potential substantive non-compliance with an institution's ability to meet HLC requirements.

© Higher Learning Commission HLC uses cookies to improve your experience on its website. View Privacy Notice Agree

**230 South LaSalle Street, Suite 7-500, Chicago, IL 60604**
info@hlcommission.org 800.621.7440 / 312.263.0456

HLC uses cookies to improve your experience on its website. View Privacy Notice Agree

# Academic organizations 2023-2024

## Academic organizations 2023-2024

## *Effective July 1, 2023

Organized under the multiple campuses of ASU are colleges, schools, departments, and other administrative units whose faculty offer courses.

**Barrett, The Honors College**

**Business, W. P. Carey School of**

Accountancy, School of

Agribusiness, Morrison School of

Economics, Department of

Finance, Department of

Information Systems, Department of

Management and Entrepreneurship, Department of

Marketing, Department of

Supply Chain Management, Department of

Technology, Innovation and Entrepreneurship, School of

**Design and the Arts, Herberger Institute for**

Art, School of

Arts, Media and Engineering, School of

Design School, The

Music, Dance and Theatre, School of

The Sidney Poitier New American Film School

**Engineering, Ira A. Fulton Schools of**

Biological and Health Systems Engineering, School of

Computing and Augmented Intelligence, School of

Electrical, Computer and Energy Engineering, School of

Engineering of Matter, Transport and Energy, School for

Integrated Engineering, School of

Manufacturing Systems and Networks, School of

Sustainable Engineering and the Built Environment, School of

The Polytechnic School

**Global Futures, College of**

Complex and Adaptive Systems, School of

Future of Innovation in Society, School for the

Ocean Futures, School of

Sustainability, School of

**Global Management, Thunderbird School of**

**Graduate College**

**Health Solutions, College of**

**Integrative Sciences and Arts, College of**

Applied Professional Studies, School of

Applied Sciences and Arts, School of

Counseling and Counseling Psychology, School of

Interdisciplinary Arts and Sciences, New College of

Humanities, Arts and Cultural Studies, School of

Interdisciplinary Forensics, School of

Mathematical and Natural Sciences, School of

Social and Behavioral Sciences, School of

**Journalism and Mass Communication, Walter Cronkite School of**

**Law, Sandra Day O'Connor College of**

**Liberal Arts and Sciences, The College of**

Aerospace Studies, Department of

American Indian Studies Program

Civic and Economic Thought and Leadership, School of

Earth and Space Exploration, School of

English, Department of

Geographical Sciences and Urban Planning, School of

Historical, Philosophical and Religious Studies, School of

Human Communication, Hugh Downs School of

Human Evolution and Social Change, School of

International Letters and Cultures, School of

Life Sciences, School of

Mathematical and Statistical Sciences, School of

Military Science, Department of

Molecular Sciences, School of

Naval Science, Department of

Physics, Department of

Politics and Global Studies, School of

Psychology, Department of

Social and Family Dynamics, T. Denny Sanford School of

Social Transformation, School of

Transborder Studies, School of

**Nursing and Health Innovation, Edson College of**

**Public Service and Community Solutions, Watts College of**

Community Resources and Development, School of

Criminology and Criminal Justice, School of

Public Affairs, School of

Social Work, School of

**Teachers College, Mary Lou Fulton**

Educational Leadership and Innovation, Division of

Teacher Preparation, Division of

**University College**

# Locations and maps

## One university, many places

Arizona State University's reach supports local and global connections and research engagement.

Organized under the multiple campuses of ASU are colleges, schools, departments, and other administrative units whose faculty offer courses.

ASU is committed to delivering high-quality education to the local and global communities it serves.

Arizona State University is "one university in many places" — four distinctive campuses throughout metropolitan Phoenix, as well as locations around the state, country and world. Each provides access to the university's strength and innovation, and all offer attributes and focuses to meet the needs of any learner.

# Arizona locations

## Phoenix metro-area campuses

### Downtown Phoenix campus

**State-of-the-art living and learning facilities are found in the heart of Arizona's capital city.**

Woven into the downtown business and professional community, ASU's Downtown Phoenix campus provides a multitude of academic and professional connections for students preparing for careers in health care, law, government, public service, the arts and sciences, journalism, media, global management and the corporate sector.

Read more [1]

Address and driving directions [2]

### Polytechnic campus

**Opportunities for project-based learning within advanced laboratory spaces.**

The ASU Polytechnic campus is a nexus for studies in integrative sciences and arts, engineering, management, technology and education. Industry partnerships are key to the campus' distinctive course offerings, which provide opportunities for project-based learning within advanced laboratory spaces.

Read more [3]

Address and driving directions [4]

### Tempe campus

**The historic campus offers multidisciplinary research and exploration in first-rate laboratories and facilities.**

ASU's Tempe campus offers hundreds of majors that engage undergraduates and graduates in multidisciplinary research and exploration in first-rate laboratories and facilities. The Sun Devils' athletic complex, performing arts facilities and research space create a dynamic learning environment.

Read more [5]

Address and driving directions [6]

### West campus

**ASU's West campus blends a liberal arts education with 21st-century leadership preparation.**

Located in northwest Phoenix, the West campus is home to students pursuing degrees in the health industry, business, education, and interdisciplinary arts and science programs.

Read more [7]

Address and driving directions [8]

## Additional Arizona locations

### Lake Havasu City

ASU in Lake Havasu offers a college experience where students learn by doing, gaining practical experience to prepare for the job market. Students can pursue undergraduate degrees in technology, psychology, health and more. The outdoor lifestyle is a large part of the experience — students can go hiking, kayaking, river tubing and more.

Read more [9]

### Mesa City Center

The Mesa City Center — a joint project between the city of Mesa and ASU — houses academic programs offered by the Herberger Institute for Design and the Arts related to digital and sensory technology, experiential design, gaming, media arts, and film production. It features the state-of-the-art Media and Immersive eXperience (MIX) Center [10], and includes spaces for entrepreneurship and community collaboration.

Read more [10]

### Tucson

The ASU School of Social Work offers a bachelor's and master's degree in social work at its location near downtown Tucson. The School of Social Work prepares students who are committed to social justice and to serving and empowering individuals, families and communities.

Read more [11]

### Yuma

ASU brings its top-ranked yet affordable undergraduate degree programs to students in Yuma through ASU Local. This hybrid college experience invites you to attend ASU on Arizona Western College's Yuma campus. ASU Local is a flexible college program that is designed to help you pursue your academic, personal and professional goals to grow and thrive in your community.

Read more [12]

## Innovation Zones

### Discovery Oasis

**Located in the Discovery Oasis, the Health Futures Center will focus on education, medical technologies and health and well-being.**

ASU's Health Futures Center will further foster intensified research, clinical expansion and development of innovative clinical approaches to medicine and health care through Mayo Clinic and ASU MedTech Accelerator, biomedical engineering, informatics research labs, nursing programs and an innovative education zone.

Read more [13]

### Novus Innovation Corridor

**One of the nation's most progressive, urban, mixed-use developments, Novus Innovation Corridor is defined by leading companies and partnerships.**

Located adjacent to ASU's Tempe campus, Novus Innovation Corridor will house more than 10 million square feet of world-class offices, residences, hotels, retail stores and restaurants throughout 355 acres. Novus is a powerful expression of the adaptive capacity of innovation. By creating a place of opportunity for the continuous introduction of new ideas, technologies and methodologies, Novus will become the central point in a region already brimming with possibility.

Read more [14]

### Phoenix Bioscience Core

Located in the heart of downtown Phoenix, the Phoenix Bioscience Core is a dynamic environment for research activities, containing some of the highest concentrations of research scientists and complementary research professionals in the region.

The 30-acre urban health and bioscience campus is designed with 6 million square feet of facilities dedicated to biomedical-related research, clinical facilities and academic research.

Read more [15]

### ASU Research Park

**Supporting 51 corporate tenants employing more than 6,000 people, ASU Research Park provides $1.4 billion annual economic impact in the state of Arizona.**

Situated on 320 acres of land with 18 surface acres of lakes and an extensive trail system, ASU Research Park is home to ASU MacroTechnology Works, including ASU's Quantum Energy and Sustainable Solar Technologies, ASU's first National Engineering Research Center supported jointly by the National Science Foundation and the U.S. Department of Energy.

Read more [16]

### SkySong, the ASU Scottsdale Innovation Center

**SkySong, the ASU Scottsdale Innovation Center, is a dynamic center for innovation, technology and economic expansion.**

At SkySong, the ASU Scottsdale Innovation Center, notable companies from around the world come together in an environment designed to foster collaboration and growth. SkySong, a 1.2-million-square-foot mixed-use project, features Class A commercial office space, retail, restaurant and hotel components, and the SkySong Apartments. It is home to Skysong Innovations, startups and Fortune 500 companies, plus much more.

Read more [17]

## Arizona locations through Academic Alliances

ASU at Cochise [18]
ASU at Northeastern [19]
ASU at Pima [20]
ASU at Pinal [21]
ASU at The Gila Valley [22]
ASU at Yavapai [23]
ASU at Yuma [24]
BYU-Idaho [25]

# Maps and parking

**Quick links**
Parking at ASU [26]
View full-size interactive map [27]
Take a tour [28]
Live campus webcams [29]

[Archivist note: Embedded interactive map unable to be archived.]

# U.S. locations

## Los Angeles

**ASU California Center offers students the opportunity to learn in a global city and gain career experience with employers across Los Angeles.**

The ASU California Center, with sites in downtown LA, is home to academic programs in fashion and design, film, nursing, global management, journalism, law, business, and executive education. Additionally, cohort-based programs such as ASU Local [30], provide students earning an online degree with in-person, community-building experiences with peers, professors and mentors. Close proximity and coursework embedded with industry partners across LA enable students learning at the ASU California Center to work alongside professionals in their fields while earning their degree.

ASU in California [31]

ASU Local [32]

### Washington, D.C.

**ASU's presence in Washington, D.C., is a critical component in a broad institutional effort to create and share knowledge with the power and potential to change the world.**

The Barbara Barrett and Sandra Day O'Connor Washington Center expands ASU's presence in the nation's capital, spurring innovative national engagements and partnerships; providing one-of-a-kind learning, teaching and research opportunities; facilitating ASU's participation in high-level idea exchanges; and expanding the impact of groundbreaking research efforts. The center houses ASU Local, ASU academic programs and global initiatives such as the McCain Institute.

ASU in Washington, D.C. [33]

ASU Local [34]

### Hawaii

**The Center for Global Discovery and Conservation Science leads scientific and technological research focused on climate change.**

GDCS-Hawai'i is headquartered in the ASU Pacific Ridge-to-Reef Program, located in a joint facility in Hilo, Hawai'i, that is administered by the U.S. Forest Service. The Hilo facility houses computational and chemical labs, offices, conference rooms, and field operations space. GDCS-Hawai'i is located next to the University of Hawai'i at Hilo, fostering inter-university collaboration across the Hawaiian Islands. GDCS also operates major program elements along the West Hawai'i Island coastline.

Read more [35]
ASU Local [36]

## International locations

At ASU, we are forging a new role for higher education in the world by engaging with people and issues locally, nationally and internationally. ASU offers opportunities for academic engagement, research and development, and international collaboration in more than 80 countries.

Global@ASU [37]

## Additional resources

### Visit campus

Parking at ASU [26]
Find which campus is right for you [38]
Schedule a tour [28]
Virtual tours [39]
Self-guided walking tours [40]

### Live campus webcams

Tempe [41]
Polytechnic [42]
Downtown [43]
West [44]

**Source URL:** https://www.asu.edu/about/locations-maps

**Links:**
[1] https://campus.asu.edu/downtown-phoenix
[2] https://www.google.com/maps/dir//411+N+Central+Ave+Phoenix+AZ+85004/@33.4528534,-112.0756903,17z
[3] https://campus.asu.edu/polytechnic
[4] https://www.google.com/maps/dir//7111+E+Tiburon+Ave+Mesa+AZ+85212/@33.3086815,-111.6825454,17z

[5] https://campus.asu.edu/tempe
[6] https://www.google.com/maps/dir//Business+Administration,+300+E+Lemon+St,+Tempe,+AZ+85281/@33.4164955,-111.9367859,17z/data=!4m8!4m7!1m0!1m5!1m1!1s0x872b08db55b0a7bf:0xc3f11886c43beb13!2m2!1d-111.9344819!2d33.4165566
[7] https://campus.asu.edu/west
[8] https://www.google.com/maps/dir//N+47th+Ave+%26+University+Way+N,+Phoenix,+AZ+85051/@33.6092941,-112.1944088
[9] https://havasu.asu.edu/
[10] https://herbergerinstitute.asu.edu/about/locations/mix-center
[11] https://socialwork.asu.edu/tucson
[12] https://asulocal.asu.edu/yuma
[13] https://economicdevelopment.asu.edu/innovation-zone/discovery-oasis/
[14] https://economicdevelopment.asu.edu/innovation-zone/novus-innovation-corridor/
[15] https://economicdevelopment.asu.edu/innovation-zone/phoenix-bioscience-core/
[16] https://economicdevelopment.asu.edu/innovation-zone/asu-research-park/
[17] https://economicdevelopment.asu.edu/innovation-zone/skysong-the-asu-scottsdale-innovation-center/
[18] https://admission.asu.edu/transfer/asu-cochise
[19] https://admission.asu.edu/transfer/asu-northeastern-arizona
[20] https://admission.asu.edu/transfer/asu-pima
[21] https://admission.asu.edu/transfer/pinal
[22] https://admission.asu.edu/transfer/the-gila-valley
[23] https://admission.asu.edu/transfer/asuyavapai
[24] https://admission.asu.edu/transfer/asu-yuma
[25] https://admission.asu.edu/transfer/byu-idaho
[26] https://cfo.asu.edu/parking
[27] https://www.asu.edu/map/interactive/
[28] https://visit.asu.edu/
[29] https://view.asu.edu/
[30] https://asulocal.asu.edu/
[31] https://california.asu.edu/
[32] https://asulocal.asu.edu/los-angeles/
[33] https://washingtondc.asu.edu/
[34] https://asulocal.asu.edu/washington-dc/
[35] https://gdcs.asu.edu/locations
[36] https://asulocal.asu.edu/west-hawaii/
[37] https://global.asu.edu/
[38] https://admission.asu.edu/campus-life
[39] https://visit.asu.edu/live-hosted-visit
[40] https://visit.asu.edu/schedule
[41] https://live-asu-edu.ws.asu.edu/academics/colleges-schools/tempe
[42] https://live-asu-edu.ws.asu.edu/academics/colleges-schools/polytechnic
[43] https://live-asu-edu.ws.asu.edu/academics/colleges-schools/downtown
[44] https://live-asu-edu.ws.asu.edu/academics/colleges-schools/west

# Locations of record

For the 2023-2024 academic year, Arizona State University offered degree-granting programs at the following locations.

**Downtown Phoenix campus**

411 N Central Ave
Phoenix, AZ  85004

**Polytechnic campus**

7001 E Williams Field Rd
Mesa, AZ  85212

**Tempe campus**

1151 S Forest Ave
Tempe, AZ  85287

**West campus**

4701 W Thunderbird Rd
Glendale, AZ  85306

**ASU at Cochise**

901 Colombo Ave
Sierra Vista, AZ  85635

**ASU at Hainan**

Hainan, China

**ASU at Lake Havasu**
100 University Way
Lake Havasu, AZ 86403

**ASU at Los Angeles**
919 South Grand Avenue
Los Angeles, CA 90015

**ASU at Mesa City Center**
50 N Centennial Way
Mesa, AZ 85201

**ASU at Mexico City**
Mexico City, Mexico

**ASU at Northeastern Arizona** 1001 W Deuce of Clubs Show Low, AZ 85901

**ASU at Pima**
2202 W Anklam Rd
Tucson, AZ 85709

**ASU at Pinal**
540 N Camino Mercado Casa Grande, AZ 85122

**ASU at The Gila Valley**
615 N Stadium Ave
Thatcher, AZ 85552

**ASU at Tucson**
340 N Commerce Park Loop, Ste 250
Tucson, AZ 85745

**ASU at Washington, D. C.**
1800 I St NW
Washington, D.C. 20006

**ASU at Yavapai**
6955 Panther Path
Prescott Valley, AZ 86314

**ASU at Yuma**
2020 S Ave 8 E
Yuma, AZ 85365

**ASU Online**
An online campus

**ASU Sync**
An online synchronous modality

# Academic calendar

ASU regularly offers classes in the fall, spring and summer terms with the following components:

**Fall/Spring Session A:**
first 7.5-week session
**Fall/Spring Session B:**
second 7.5-week session
**Fall/Spring Session C:**
full semester (15 weeks plus final exams)

**Summer Session A:**
first 6-week session
**Summer Session B:**
second 6-week session
**Summer Session C:**
8-week session

If a class is scheduled in a session other than Session A, B or C, the drop/add/withdrawal deadlines are prorated based on the length of the class. Check the calendar icon next to each class on your schedule in My ASU [1] for the prorated deadline dates.

## Fall 2023

**Session A:** Thursday, 8/17/2023 – Friday, 10/6/2023
**Session B:** Wednesday,10/11/2023 – Friday, 12/1/2023
**Session C:** Thursday, 8/17/2023 – Friday, 12/1/2023 (Final Exams 12/4/2023 - 12/9/2023)

| | | | |
|---|---|---|---|
| Schedule of Classes Available [2] | February 20, 2023 | | |
| Registration and Tuition Guide Available | February 20, 2023 | | |
| Registration Dates Begin [3] | February 23, 2023 | | |
| $50.00 Late Registration Fee Begins [4] (does not apply to ASU Online students) | Session A<br>August 9, 2023 | Session B<br>October 3, 2023 | Session C<br>August 9, 2023 |
| **Classes Begin** | Session A<br>August 17, 2023 | Session B<br>October 11, 2023 | Session C<br>August 17, 2023 |
| Academic Status Reports [7] – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in My ASU within 24 hours after each weekly reporting period closes on Sundays | Session A<br>August 17 - October 1, 2023 | Session B<br>October 11 - November 26, 2023 | Session C<br>August 17 - November 26, 2023 |
| Last Day to Register or Add a Class Without College Approval [8] | Session A<br>August 18, 2023 | Session B<br>October 12, 2023 | Session C<br>August 23, 2023 |

| | | | |
|---|---|---|---|
| Last Day to Drop a Class [8] - this is the last day to drop a class without receiving a grade of 'W' (withdrawal) on your transcript. | Session A<br>August 23, 2023 | Session B<br>October 17, 2023 | Session C<br>August 30, 2023 |
| Residency Classification Petition Deadline [9] | August 23, 2023 | | |
| **Tuition Fee Payment Deadline** - for registration through 8/18/2023. For more information see Tuition and Deadlines [5] | August 25, 2023 | | |
| **Automatic ASU Payment Plan Enrollment** - Students who registered through August 18 and who have unpaid tuition and other eligible payment plan charges will be automatically enrolled in the ASU Payment Plan [16]. | August 28, 2023 | | |
| **Tuition & Fees 100% Refund Deadline** - For more information see Tuition and Deadlines [5] | Session A<br>August 23, 2023 | Session B<br>October 17, 2023 | Session C<br>August 30, 2023 |
| Labor Day Observed<br>***Classes excused/University closed*** | September 4, 2023 | | |
| University 21st Day | Session A<br>September 6, 2023 | Session B<br>October 31, 2023 | Session C<br>September 6, 2023 |
| **Tuition Fee Payment Deadline** - for registration from 8/19/2022 through 9/18/2022. For more information see Tuition and Deadlines [5] | September 25, 2023 | | |
| University 45th Day | September 30, 2023 | | |
| Deadline to Apply for Graduation | October 2, 2023 | | |
| Fall Break<br>***Classes excused/University open*** | October 7-10, 2023 | | |
| **Tuition Fee Payment Deadline** - for registration from 9/19/2023 through 10/25/2023. For more information see Tuition and Deadlines [5] | October 25, 2023 | | |
| Course Withdrawal Deadline | Session A<br>September 6, 2023 | Session B<br>October 31, 2023 | Session C<br>November 1, 2023 |

| | | | |
|---|---|---|---|
| Veterans Day Observed<br>***Classes excused/University closed*** | November 10, 2023 | | |
| Thanksgiving Holiday Observed<br>***Classes excused/University closed*** | November 23-24, 2023 | | |
| Complete Session Withdrawal Deadline [14] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here [15]. | Session A<br>October 6, 2023 | Session B<br>December 1, 2023 | Session C<br>December 1, 2023 |
| **Classes End/**<br>Last Day to Process Transactions | Session A<br>October 6, 2023 | Session B<br>December 1, 2023 | Session C<br>December 1, 2023 |
| Study Days | Session A<br>N/A | Session B<br>N/A | Session C<br>December 2-3, 2023 |
| Final Exams [17] | Session A<br>Last Day of Classes | Session B<br>Last Day of Classes | Session C<br>December 4 - 9, 2023 |
| Final Grades Due | Session A<br>October 9, 2023 | Session B<br>December 4 - 11, 2023 | Session C<br>December 4 - 11, 2023 |
| Commencement Ceremony (Graduate and Undergraduate) http://graduation.asu.edu [18] | December 11, 2023 | | |
| Degree Conferral Date | December 11, 2023 | | |
| Grade Replacement/Academic Standing Processing | December 12-13, 2023 | | |
| Holiday Break<br>***Classes excused/University closed*** | December 25-26, 2023 | | |

# Spring 2024

**Session A:** Monday, 1/8/2024 – Tuesday, 2/27/2024
**Session B:** Monday, 3/11/2024 – Friday, 4/26/2024 (ASU Online and iCourses may end on Tuesday, 4/30/2024)
**Session C:** Monday, 1/8/2024 – Friday, 4/26/2024 (Final Exams 4/29/2024 – 5/4/2024)

| | | | |
|---|---|---|---|
| Schedule of Classes Available [2] | September 18, 2023 (tentative) | | |
| Registration and Tuition Guide Available | September 18, 2023 (tentative) | | |
| Registration Dates Begin [3] | ASU Online students: September 26, 2023<br>In-Person students: October 16, 2023 | | |
| $50.00 Late Registration Fee Begins [4] (does not apply to ASU Online students) | Session A<br>December 31, 2023 | Session B<br>March 5, 2024 | Session C<br>December 31, 2023 |
| **Tuition Fee Payment Deadline** - for registration through 1/18/24. For more information see Tuition and Deadlines [5] | January 25, 2024 | | |
| **Automatic ASU Payment Plan Enrollment** - Students who registered through 1/18/24 and who have unpaid tuition and other eligible payment plan charges will be automatically enrolled in the ASU Payment Plan [16]. | January 27, 2024 | | |
| **Classes Begin** | Session A<br>January 8, 2024 | Session B<br>March 11, 2024 | Session C<br>January 8, 2024 |
| Academic Status Reports [7] – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in My ASU within 24 hours after each weekly reporting period closes on Sundays | Session A<br>Jan 8 – Feb 18, 2024 | Session B<br>Mar 11 – Apr 21, 2024 | Session C<br>Jan 8 – Apr 21, 2024 |
| Last Day to Register or Add a Class Without College Approval [8] | Session A<br>January 9, 2024 | Session B<br>March 12, 2024 | Session C<br>January 14, 2024 |
| Last Day to Drop a Class [8] - this is the last day to drop a class without receiving a grade of 'W' (withdrawal) on your transcript. | Session A<br>January 14, 2024 | Session B<br>March 17, 2024 | Session C<br>January 21, 2024 |
| Residency Classification Petition Deadline [9] | January 14, 2024 | | |

| | | | |
|---|---|---|---|
| **Tuition & Fees 100% Refund Deadline** - For more information see Tuition and Refund Policy [10]. **Note:** If you choose to drop a class [11] or withdraw from ASU [12] after this deadline, you may receive a bill for the financial aid used to cover those classes. | Session A<br>January 14, 2024 | Session B<br>March 17, 2024 | Session C<br>January 21, 2024 |
| Martin Luther King Jr. Holiday Observed<br>***Classes excused/University closed*** | January 15, 2024 | | |
| University 21st Day | Session A<br>January 29, 2024 | Session B<br>April 1, 2024 | Session C<br>January 29, 2024 |
| Deadline to Apply for Graduation<br>(See also, Online Grad Fair [13], dates and times) | February 15, 2024 | | |
| University 45th Day | February 21, 2024 | | |
| Spring Break<br>***Classes Excused/University open*** | March 3-10, 2024 | | |
| Course Withdrawal Deadline [8] | Session A<br>January 26, 2024 | Session B<br>March 29, 2024 | Session C<br>March 31, 2024 |
| Complete Session Withdrawal Deadline [14] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here [15]. | Session A<br>February 27, 2024 | Session B<br>April 26, 2024 | Session C<br>April 26, 2024 |
| **Classes End/**<br>Last Day to Process Transactions<br>(Session B ASU Online & iCourses may end Tuesday, 4/30/2024) | Session A<br>February 27, 2024 | Session B<br>April 26, 2024 | Session C<br>April 26, 2024 |
| Study Days | Session A<br>N/A | Session B<br>N/A | Session C<br>April 27-28, 2024 |
| Final Exams [17] | Session A<br>Last day of classes | Session B<br>Last day of classes | Session C<br>April 29 - May 4, 2024 |

| | | | |
|---|---|---|---|
| Final Grades Due | Session A<br>March 1, 2024 | Session B<br>April 29 - May 6, 2024 | Session C<br>April 29 - May 6, 2024 |
| Commencement [18] - (Graduate and Undergraduate) | May 6, 2024 | | |
| Degree Conferral Date | May 6, 2024 | | |
| Grade Replacement/Academic Standing Processing | May 7-8, 2024 | | |

## Summer 2024

**Session A:** Thursday, 5/16/2024 – Wednesday, 6/26/2024
**Session B:** Monday, 7/1/2024 – Friday, 8/9/2024
**Session C:** Thursday, 5/16/2024 – Wednesday, 7/10/2024

| | | | |
|---|---|---|---|
| Schedule of Classes Available [2] | February 6, 2024 | | |
| Registration Dates Begin [3] | February 7, 2024 | | |
| $50.00 Late Registration Fee Begins [4] (does not apply to ASU Online students) | Session A<br>May 8, 2024 | Session B<br>June 23, 2024 | Session C<br>May 8, 2024 |
| **Tuition Fee Payment Deadline** - for registration through 5/18/2023. For more information see Tuition and Deadlines [5] | May 25, 2024 | | |
| **Classes Begin** | Session A<br>May 16, 2024 | Session B<br>July 1, 2024 | Session C<br>May 16, 2024 |
| Academic Status Reports [7] – Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in MyASU within 24 hours after each weekly reporting period closes on Sundays | Session A<br>TBD | Session B<br>TBD | Session C<br>TBD |
| Last Day to Register or Add a Class Without College Approval [8] | Session A<br>May 17, 2024 | Session B<br>July 2, 2024 | Session C<br>May 17, 2024 |
| Last Day to Drop a Class [8] - this is the last day to drop a class without receiving a grade of 'W' (withdrawal) on your transcript. | Session A<br>May 20, 2024 | Session B<br>July 5, 2024 | Session C<br>May 20, 2024 |

| | | | |
|---|---|---|---|
| Residency Classification Petition Deadline [9] | May 17, 2024 | | |
| **Tuition & Fees 100% Refund Deadline** - For more information see Tuition and Refund Policy [10]. **Note:** If you choose to drop a class [11] or withdraw from ASU [12] after this deadline, you may receive a bill for the financial aid used to cover those classes. | Session A<br>May 20, 2024 | Session B<br>July 5, 2024 | Session C<br>May 20, 2024 |
| Memorial Day Observed<br>***Classes excused/University closed*** | May 27, 2024 | | |
| Course Withdrawal Deadline [8] | Session A<br>June 5, 2024 | Session B<br>July 21, 2024 | Session C<br>June 5, 2024 |
| Deadline to Apply for Graduation<br>(See also, Online Grad Fair [13], dates and times) | June 17, 2024 | | |
| **Tuition Fee Payment Deadline** - for registration from 5/19/2024 through 6/18/2024. For more information see Tuition and Deadlines [5] | June 25, 2024 | | |
| Independence Day Observed<br>***Classes excused/University closed*** | July 4, 2024 | | |
| **Tuition Fee Payment Deadline** - for registration from 6/19/2024 through 7/18/2024. For more information see Tuition and Deadlines [5] | June 25, 2024 | | |
| Complete Session Withdrawal Deadline [14] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here [15]. | Session A<br>June 26, 2024 | Session B<br>August 9, 2024 | Session C<br>July 10, 2024 |
| **Classes End/**<br>Last Day to Process Transactions | Session A<br>June 26, 2024 | Session B<br>August 9, 2024 | Session C<br>July 10, 2024 |

| | | | |
|---|---|---|---|
| Final Grades Due | Session A<br>June 28, 2024 | Session B<br>August 12, 2024 | Session C<br>July 12, 2024 |
| Degree Conferral Date | August 9, 2024 | | |
| Grade Replacement Processing | August 13, 2024 | | |

**Source URL:** https://students.asu.edu/academic-calendar

**Links:**
[1] https://my.asu.edu/
[2] https://webapp4.asu.edu/catalog/
[3] https://students.asu.edu/registration
[4] https://students.asu.edu/tuitiondescriptions
[5] https://students.asu.edu/tuitiondeadlines
[6] https://students.asu.edu/paymentplan
[7] http://asu.force.com/kb/articles/FAQ/What-is-an-Academic-Status-Report
[8] https://students.asu.edu/drop-add
[9] https://students.asu.edu/residency
[10] http://students.asu.edu/tuitionrefundpolicy
[11] http://students.asu.edu/policies/census
[12] http://students.asu.edu/policies/fa-withdrawal
[13] https://graduation.asu.edu/graduates/dressing
[14] https://students.asu.edu/drop-add#comp%20wd
[15] http://students.asu.edu/forms/withdrawal
[16] https://students.asu.edu/payment-plan
[17] https://students.asu.edu/final-exam-schedule#Spring
[18] http://graduation.asu.edu/

# Residency

## Residency for tuition purposes

Your residency classification for tuition purposes is determined based on Arizona revised statutes [1] and guidelines provided by the Arizona Board of Regents' (ABOR) [2]. Students who have been classified as non-residents can request reclassification by submitting a Residency Petition. Use the Residency Navigator and the links below to learn more.

Students who graduated from an Arizona high school but do not otherwise qualify to be classified as residents for tuition purposes may be eligible to receive the Non-Resident Tuition Rate for Arizona High School Graduates [3].

Information about Arizona Prop. 308 [4].

## Requesting residency reclassification

Once you know which petition is best for you, this is what you need to do.

1. Residency Navigator
2. Review Requirements
3. Submit your Petition

## Residency navigator

We've designed this tool to help you determine which residency classification category may apply to you. Using the residency navigator will not have any influence on the outcome of your residency petition. It is not intended to predict whether your petition will be approved or denied.

Start here
[Archivist's Note: In-page Residency Navigator tool unable to be captured.]

## Residency petition

### Independent student

#### Requirements

The independent student petition requires you to:

- Provide proof of domicile and continuous physical presence in Arizona for 12 months
- Provide proof of financial independence
- Overcome the presumption that you are in Arizona primarily to be a student

Read more about this petition [5].

#### Request reclassification

Your petition is completed in three steps:
**Step 1:** Start [6] and submit your online questionnaire prior to the petition deadline [7].
**Step 2:** Submit [6] your documents prior to the document deadline [7]
**Step 3:** Pay [6] the petition fee prior to the document deadline [7]

### Deadlines

Don’t miss your deadlines [7]:

- Petition deadline – this is the last day to complete step 1.
- Document deadline – this is the last day to complete step 2 & 3
- Priority deadline – this is the last day to complete steps 1, 2, & 3 if you want a decision before classes start.

## Dependent student

### Requirements

The dependent student petition requires you to:

- Provide proof that you and your parent(s) are domiciled in Arizona and your parent(s) are entitled to claim you as a dependent for tax purposes.

Read more about this petition [8].

### Request reclassification

Your petition is completed in three steps:
**Step 1:** Start [6] and submit your online questionnaire prior to the petition deadline [7].
**Step 2:** Submit [6] your documents prior to the document deadline [7]
**Step 3:** Pay [6] the petition fee prior to the document deadline [7]

### Deadlines

Don’t miss your deadlines [7]:

- Petition deadline – this is the last day to complete step 1
- Document deadline – this is the last day to complete step 2 & 3
- Priority deadline – this is the last day to complete steps 1,2, & 3 if you want a decision before classes start.

## Spouse

### Requirements

The spouse petition requires you to:

- Provide proof that you are domiciled in Arizona
- Provide proof that your spouse has maintained domicile in Arizona for 12 continuous months
- Provide proof that your spouse is financially independent
- Provide proof of marriage

Read more about this petition [9].

### Request reclassification

Your petition is completed in three steps:
**Step 1:** Start [6] and submit your online questionnaire prior to the petition deadline [7].
**Step 2:** Submit [6] your documents prior to the document deadline [7]
**Step 3:** Pay [6] the petition fee prior to the document deadline [7]

### Deadlines

Don’t miss your deadlines [7]:

- Petition deadline – this is the last day to complete step 1.
- Document deadline – this is the last day to complete step 2 & 3
- Priority deadline – this is the last day to complete steps 1, 2, & 3 if you want a decision before classes start.

## Transferred employee

### Requirements

The transferred employee petition requires you to:

- Provide proof that you are domiciled in Arizona
- Provide proof that you were transferred you to Arizona for employment purposes OR provide proof that your spouse was transferred to Arizona for employment purposes
- Provide proof the transfer to Arizona meets the conditions described here.

Read more about this petition [10].

### Request reclassification

Your petition is completed in three steps:
**Step 1:** Start [6] and submit your online questionnaire prior to the petition deadline [7].
**Step 2:** Submit [6] your documents prior to the document deadline [7]
**Step 3:** Pay [6] the petition fee prior to the document deadline [7]

### Deadlines

Don't miss your deadlines [7]:

- Petition deadline – this is the last day to complete step 1
- Document deadline – this is the last day to complete step 2 &3
- Priority deadline – this is the last day to complete steps 1, 2, & 3 if you want a decision before classes start.

## Military

### Requirements

The military petition applies to U. S. military members (and their spouses/dependents) and requires you to:

- Provide proof that the military member is currently stationed in Arizona

OR

- Provide proof that the U.S. military member's state of legal residence is Arizona (and has been for at least 12 months)

Dependents are also eligible if the student provides proof of intent to be an Arizona resident and proof that they are using transferred post/911 G.I. bill benefits during a time in which the member of the U.S. uniformed services is serving on active duty (of 90 days or more).

Read more about this petition [11].

### Request reclassification

Your petition is completed in two steps:
Step 1: Start [6] and submit your online questionnaire prior to the petition deadline [7].
Step 2: Submit [6] your documents prior to the document deadline [7]

### Deadlines

Don't miss your deadlines [7]:

- Petition deadline – this is the last day to complete step 1
- Document deadline – this is the last day to complete step 2
- Priority deadline – this is the last day to complete steps 1 & 2 if you want a decision before classes start.

## Veteran

### Requirements

The veteran petition applies to veterans of the U.S. military and requires you to:

- Provide proof that the veteran was discharged with a character of service of “honorable”, and proof of intent to establish domicile in Arizona.

OR

- Provide proof of active duty of 90 days or more, use of Ch. 30, 31, 33 or 35 educational benefits and proof of intent to establish domicile in Arizona.

The veteran petition applies to dependents and requires the student to:

- Provide proof that the student is using transferred Ch. 30, 31, 33 or 35 benefits and proof of intent to establish domicile in Arizona.

OR

- Provide proof of receiving benefits certified under the Marine Gunnery Sergeant John David Fry Scholarship and proof of intent to establish domicile in Arizona.

Read more about this petition [12].

### Request reclassification

Your petition is completed in two steps:
**Step 1:** Start [6] and submit your online questionnaire prior to the petition deadline [7].
**Step 2:** Submit [6] your documents prior to the document deadline [7]

### Deadlines

Don’t miss your deadlines [7]:

- Petition deadline – this is the last day to complete step 1
- Document deadline – this is the last day to complete step 2
- Priority deadline – this is the last day to complete steps 1 & 2 if you want a decision before classes start.

## Native American

### Requirements

The American Indian petition applies if you are an enrolled member of an Indian tribe whose reservation land lies wholly or partially in Arizona.

Read more about this petition [13].

### Request reclassification

Your petition is completed in two steps:
**Step 1:** Start [6] and submit your online questionnaire prior to the petition deadline [7].
**Step 2:** Submit [6] your documents prior to the document deadline [7]

### Deadlines

Don’t miss your deadlines [7]:

- Petition deadline – this is the last day to complete step 1
- Document deadline –this is the last day to complete step 2
- Priority deadline – this is the last day to complete steps 1 & 2 if you want a decision before classes start.

## Teacher

### Requirements

The teacher waiver applies if you are currently employed as a full-time teacher or classroom aide in an Arizona public school district, an approved Arizona charter school or an approved Arizona private school.

Teacher waivers are effective only for the semester for which they are submitted. A new teacher waiver petition must be submitted for subsequent semesters.

Read more about this petition [14].

### Request reclassification

Your petition is completed in two steps:
**Step 1:** Start [6] and submit your online questionnaire prior to the petition deadline [7].
**Step 2:** Submit [6] your documents prior to the document deadline [7]

### Deadlines

Don't miss your deadlines [7]:

- Petition deadline –this is the last day to complete step 1
- Document deadline – this is the last day to complete step 2
- Priority deadline – this is the last day to complete steps 1 & 2 if you want a decision before classes start.

## AmeriCorps/VISTA

### Requirements

The AmeriCorps/VISTA exception applies if teacher waiver applies if you have served one year in Arizona in either an AmeriCorps or Volunteers in Service to America (VISTA) program.

Read more about this petition [15].

### Request reclassification

Your petition is completed in two steps:
**Step 1:** Start [6] and submit your online questionnaire prior to the petition deadline [7].
**Step 2:** Submit [6] your documents prior to the document deadline [7]

### Deadlines

Don't miss your deadlines [7]:

- Petition deadline – this is the last day to complete step 1
- Document deadline – this is the last day to complete step 2
- Priority deadline – this is the last day to complete steps 1 & 2 if you want a decision before classes start.

# Common residency questions

Still have unanswered questions? Take a look through our frequently asked questions below to see if your question is listed there. If not, we're happy to help [16].

**I indicated that I was an Arizona resident on my admissions application, yet I am classified as a non-resident and was charged the non-resident application fee? How can I fix this?**
Your residency classification is determined by a review of all of the information provided on your admissions application in accordance with guidelines provided by the Arizona Board of Regents. Your status as a non-resident is a result of one or more factors used to determine this classification. Please review the Residency Classification [17] web page and contact a residency specialist [18] if you have any questions.

**I am currently attending a community college in Arizona as a resident; does that make me a resident at ASU?**
Not necessarily. Residency for tuition purposes for the three state universities is determined according to guidelines established by the Arizona Board of Regents (ABOR). The community colleges are not governed by ABOR and your classification as a resident at the community college may or may not be in compliance with current ABOR policies.

**How does Arizona Prop. 308 affect residency classification?**
Prop. 308 made two significant changes to Arizona law.

First, with the passage of Arizona Prop. 308 [19], a qualifying non-citizen student, with statutorily defined exceptions [20], is eligible for in-state resident tuition at state universities and community colleges if the student both:

1. Attended an Arizona public or private high school, or homeschool for a minimum of two years; and
2. Graduated from an Arizona public or private high school, or homeschool equivalent, or obtained an Arizona high school equivalency diploma, e.g., a general equivalency diploma (GED).

Second, Prop. 308 repealed A.R.S. § 15-1825, and now non-citizen students are eligible to receive financial aid funded in whole, or in part, with state monies, regardless of immigration status.

**I am a continuing student; will my residency automatically change after one year?**
No. Your status will remain non-resident and any student wanting to be re-classified must initiate the process by contacting the residency office and submitting a petition by the appropriate deadline. Simply being a student at ASU for one year is not sufficient for residency purposes per ABOR policy, which reads, "No individual has established residency for tuition purposes in Arizona while attending any education institution in Arizona as a full-time student in the absence of objective evidence to the contrary."

**I was born and raised in Arizona then left for a short period of time before returning, can I still be classified as an Arizona resident for tuition purposes?**
Leaving Arizona will not result in a loss of Arizona residency unless your absence is accompanied by actions that indicate intent to establish a new domicile elsewhere. Former residents of Arizona who established domicile elsewhere would be classified as non-residents upon return and would not be eligible for residency until current ABOR policies are met. Residency classification is re-visited after any break in enrollment or absence from the university.

**My parent is an ASU alumnus; does it have any effect on my residency classification?**
No. Your residency classification is evaluated against current ABOR policy and your parent’s status as an alumnus is not a consideration.

More FAQs [21]

**Source URL:** https://students.asu.edu/residency

**Links:**
[1] https://www.azleg.gov/arstitle/
[2] https://www.azregents.edu/policy-manual
[3] https://students.asu.edu/non-resident-tuition-rate-arizona-high-school-graduates
[4] https://tuition.asu.edu/Prop308
[5] https://students.asu.edu/sites/default/files/in_petition_instructions_september_2022.pdf
[6] https://go.oasis.asu.edu/residencypetition/
[7] https://students.asu.edu/residency-deadlines
[8] https://students.asu.edu/sites/default/files/de_petition_instructions_aug_2021.pdf
[9] https://students.asu.edu/sites/default/files/sp_petition_instructions_aug_2021.pdf
[10] https://students.asu.edu/sites/default/files/tr_petition_instructions_aug_2021.pdf
[11] https://students.asu.edu/sites/default/files/mi_petition_instructions_aug_2021.pdf
[12] https://students.asu.edu/sites/default/files/vt_petition_instructions_july_2022.pdf
[13] https://students.asu.edu/sites/default/files/na_petition_instructions_aug_2021.pdf
[14] https://students.asu.edu/sites/default/files/tw_petition_instructions_aug_2021.pdf
[15] https://students.asu.edu/sites/default/files/am_petition_instructions_aug_2021.pdf
[16] https://students.asu.edu/residency-contact
[17] https://students.asu.edu/residency
[18] mailto:residency@asu.edu
[19] https://tuition.asu.edu/Prop308
[20] https://tuition.asu.edu/Prop308#accordion-content-787
[21] https://students.asu.edu/faq/156

# Residency requirements

## Student/petition types

ABOR policy broadly defines nine different paths to residency. Each has a unique set of requirements, which are summarized below. Choosing the right petition is an important first step and we encourage you to read carefully and contact us [1] if you have questions. Please note that with the passage of Arizona Prop. 308 [2], some students who qualify as noncitizens may now be eligible for an in-state tuition rate.

How to Petition [3].

### Independent student

The Independent Student petition is best suited for students that:

- Have been continuously and physically present in Arizona for more than 12 months (with no absences of more than 30 days)
- Are residents of Arizona and have maintained the legal and customary ties that would be expected of someone who claims Arizona as their “true, fixed and permanent home” for the same 12 months of continuous presence.
- Can provide objective evidence of financial independence.
- Are not in Arizona primarily to be a student and can overcome or rebut these basic presumptions:
    - Non-resident students are in Arizona is primarily for the purpose of education and not to establish domicile;
    - Students can’t establish domicile while in Arizona primarily for the purposes of education;
    - Students can’t establish domicile in Arizona while enrolled at any educational institution in Arizona as a full-time student;
    - Decisions about permanent domicile are generally made after the completion of an education, and not before.

Additional information about the Independent Student petition can be found here [4].

### Dependent student

The Dependent Student petition is best suited for students that:

- Can provide objective evidence that they are domiciled in Arizona
- Have parents (or a parent) who are domiciled in Arizona
- Can document that your parent (who is domiciled in Arizona) is entitled to claim you as an exemption for federal and state tax purposes.

Additional information about the Dependent Student petition can be found here [5].

### Spouse

The Spouse petition is best suited for students that:

- Are married but don’t meet all requirements for the Independent Student petition
- Can provide objective evidence that they are domiciled in Arizona
- Can provide objective evidence that their spouse has been domiciled in Arizona for 12 months or more
- Can provide objective evidence that their spouse is financially independent

Additional information about the Spouse petition can be found here. [6]

### Transferred employee

The Transferred Employee petition is best suited for students that:

- Can provide objective evidence that they have established domiciled in Arizona
- Are currently employed by an employer who transferred them to Arizona for employment purposes
- Were transferred within the last 12 months
- Are not self-employed or employed in a family-owned business that did not previously operate in Arizona
- Were transferred at the direction of and for the benefit of their employer.

Additional information about the Transferred Employee petition can be found here [7].

## Military

The Military petition is best suited for students that:

- Are members of the U.S. military (or the spouse/dependent of) who are:
    - stationed in Arizona or
    - stationed elsewhere and maintain Arizona has their state if legal residence (and has been for at least 12 months)

Or

- Are dependents of U.S. military members who are using transferred Post-9/11 G.I. Bill (Chapter 33) benefits during a time in which the member of the U.S. uniformed services is serving on active duty (90 days or more)

Additional information about the Military petition can be found here [8].

## Veterans

The Veteran petition is best suited for students that:

- can provide objective evidence of intent to be an Arizona resident
- meet any of the following conditions:
- student is a veteran discharged with a character of service of “honorable”
- student is a veteran and is using Ch. 30, 31, 33, or 35 benefits
- student is the spouse or dependent of a veteran who was discharged from active duty service of ninety days or more and is using Ch. 30, 31, 33, or 35 benefits
- Student is receiving benefits certified under the Marine Gunnery Sergeant John David Fry Scholarship

Additional information about the Veteran petition can be found here [9].

## American Indian

The American Indian petition is best suited for students that:

- Are enrolled members of an Indian tribe whose reservation land lies wholly or partially in Arizona. Eligible tribes are:
    - Ak Chin Indian Community of Maricopa
    - Cocopah Tribe of Arizona
    - Colorado River Indian Tribes of the Colorado River Indian Reservation–includes Chemehuevi, Hopi, Mohave and Navajo
    - Fort McDowell Yavapai Nation
    - Fort Mojave Indian Tribe
    - Gila River Indian Community
    - Havasupai Tribe
    - Hopi Tribe
    - Hualapai Indian Tribe
    - Kaibab Band of Paiute Indians
    - Navajo Nation
    - Pascua Yaqui Tribe
    - Pueblo of Zuni
    - Quechan Tribe
    - Salt River Pima-Maricopa Indian Community
    - San Carlos Apache Tribe
    - San Juan Southern Paiute Tribe
    - Tohono O’odham Nation
    - Tonto Apache Tribe
    - White Mountain Apache Tribe
    - Yavapai-Apache Nation
    - Yavapai-Prescott Tribe

Additional information about the American Indian petition can be found here [10].

## AmeriCorps/Vista

The AmeriCorps/VISTA petition is best suited for students that:

- have completed one year of service in Arizona in either an AmeriCorps or Volunteers in Service to America (VISTA) program.

Additional information about the AmeriCorps/VISTA petition can be found here [11].

### Teacher

The Teacher waiver is best suited for students that:

- Are domiciled in Arizona
- Under contract to either teach either teach on a full-time basis or work as a full-time classroom aide in:
    - an Arizona public school district, or
    - an approved Arizona charter school, or
    - an approved Arizona private school.

Teacher waivers are based on enrollment and are effective only for the semester in which they are submitted. A new teacher waiver petition must be submitted for subsequent semesters. The Teacher Waiver does not change your residency classification, but does allow the student to pay in-state tuition for courses required for teacher certification in Arizona.

Additional information about the Teacher Waiver can be found here [12].

## Residency guidelines

Your initial residency classification is determined when you apply for admission to the University based on residency guidelines provided by the Arizona Board of Regents (ABOR) [13]. ABOR policy 4-204 defines the process for requesting reclassification and places the burden of proof on the student. Students seeking reclassification are responsible for providing objective evidence for all factors necessary to provide a basis for this change.

## Residency petition

This is your formal request for reclassification. Your petition will consist of an online questionnaire and your supporting documentation. The online residency petition [14] is only available to current, active, non-resident students. New or future students do not become current or active until they are admitted to the University and enrollment begins for the student's semester of admission (see the ASU Academic Calendar [15] for enrollment dates).

When you are ready to submit your petition, here are the steps:

**Step One:** Start [14] and submit your online questionnaire prior to the petition deadline.
**Step Two:** Submit [14] your documents prior to the document deadline
**Step Three:** Pay [14] the $50 petition fee prior to the document deadline (if applicable)

Complete the steps in this order and Contact the Residency Office [16] if you need more information.

## Deadlines

Deadlines are critical. Missing a deadline [17] means you have forfeited your right to request reclassification for that semester.

## Requirements

Specific requirements are summarized, paraphrased and iterated in various places, including above. Before you start you petition, we encourage you to understand the requirements for your petition and ask questions when you need help. Don't make assumptions about what you think is required or what you need to provide. Successful petitions require you to do your homework and spend some time gathering thorough and credible documentation. Unsuccessful petitions are most often characterized by a lack of documentation or an incorrect understanding of the requirements.

## Documentation

Your required documentation will be as unique as you are. The documents requested are based on how you answer the online questionnaire and there is not a fixed list of documents that applies to everyone. Petitions that are lacking sufficient documentation will be denied. Written or verbal statements of intent will not meet your burden to provide objective

evidence. You will also have the ability to submit something we didn't ask for. It can be hard to know what might be helpful to students in every situation, but feel free to submit anything you think will support your request.

## Burden of proof

The burden of proof is yours. Your documentation will need to support your claim that you are meeting all requirements for in-state classification. Per ABOR policy, verbal testimony and statements of intent are weighed in light of the fact that you understand a change in classification will result in a substantial reduction in tuition.

## Petition fee

There is a $50, non-refundable fee required if you are requesting reclassification as an independent student, dependent student, spouse or transferred employee. The petition fee can be paid online after you submit your petition. The Residency Classification Office cannot accept or process any fee payments. There are no fees associated with the following petition types: Military, Veteran, Native American, AmeriCorps/VISTA and Teacher Waiver.

## Integrity

Misrepresentation or falsification of any information related to your residency classification can result in significant penalties. Students who have omitted, falsified, or misrepresented any information in effort to obtain resident status will be referred to Student Rights and Responsibilities [18] for disciplinary action. This may include dismissal from the university or forfeiting your right to request reclassification for current and future terms.

## Processing time

Processing times vary and are largely dependent on when your petition and supporting docs are submitted. Average processing time is 4-6 weeks, but decisions will take longer for petitions that are submitted within one month of the petition deadline. If you need a decision prior to the first day of classes, you should submit everything (petition and all required documents) no later than the priority deadline [17].

## Checking your petition status

The status of your petition can be viewed from the residency petition dashboard [19]. This is also where you submit your petition and all supporting documents.

The lifespan of a petition is characterized by different statuses and will vary from student to student: In most cases, the progression will look like this:

- **In queue:** You've submitted everything and your petition is now ready to be reviewed.
- **Documents needed:** Your petition has been reviewed, but we need additional documents. We will send you an email with details, including instructions on how to upload your new documents.
- **Contact residency**: Your petition has been reviewed, but we would like to talk with you about something. Give us call or send us an email so we can finish reviewing your petition.
- **Pending:** New information has been added to your petition and is ready for a 2nd review.
- **In review:** A decision will be sent to you in the next 7-10 days. We have all that we need, but need a little time to make our finalize our decision.
- **Approved:** Congrats! Your request has been approved. You will also get an email with details – please read this carefully as residency changes can affect other things besides tuition – for example, refunds or financial aid.
- **Denied:** Your request has been denied. We will also notify you via email. If denied, you will also be given a detailed decision summary that explains our decision.
- **Withdrawal Warning:** You have not submitted all of your required documentation and your petition is at risk of being withdrawn. Submit all required documents prior to the document deadline so that your petition can be put "in queue".
- **Withdrawn:** Your petition as been withdrawn and a decision will not be rendered.

Your petition may skip steps or bounce between different statuses. This is normal and how we manage workflow for hundreds of petitions every semester. Keep an eye on your email and track your status from the dashboard [19].

## Petition outcome

Decisions are based on the quality of your documentation and the extent to which you have met your burden of proof. There are no exceptions granted due to unusual circumstances or financial hardship. ABOR policy defines the circumstances under which a student can be classified as a resident for tuition purposes and the Residency Classification Office and university does not have the authority to make exceptions.

## Committee review

If your residency petition is denied and you believe this decision is erroneous, you can request a committee review [20]. This is a formal request to have your petition reviewed by the Residency Review Committee. The deadline to request a review will be indicated on your denial notification. Requests made after your deadline will not be processed.

## Tuition and fees

Your tuition and fees are dependent on your residency classification. Until your classification is changed, you are a non-resident for tuition purposes and having a petition pending does not absolve you from your responsibility to pay your tuition and fees in full by the published deadline [15] per university policy. If your petition is approved, overpayments will be refunded to you; however, late fees and payment plan fees (if applied) are non-refundable.

## Financial aid

Financial aid is calculated based partly on cost of attendance. Changes to your residency classification may cause your financial aid to be recalculated and adjusted accordingly. In some cases, your aid may be reduced or cancelled and you may be required to return funds that have already been disbursed to you. If you have questions, contact Financial Aid and Scholarship Services [21].

## Visa types and residency for international students

Students who hold a visa that requires them to maintain a foreign domicile or that otherwise prohibits establishing domicile in Arizona cannot be classified as residents for tuition purposes.  Temporary or non-immigrant visas do not allow an individual to obtain a permanent status in Arizona regardless of the length of the visa or the number of times it is renewed. Students who are classified as residents but are then issued a non-eligible visa type will be changed to non-resident. Please see visa types and residency eligibility list [22] for additional information.

## Proposition 308

Information about Prop. 308 can be viewed: here [2]

## Additional information

Arizona Board of Regents (ABOR) Policy Manual [23]

**Source URL:** https://students.asu.edu/residency-requirements

**Links:**
[1] https://students.asu.edu/contact/office-university-registrar
[2] https://tuition.asu.edu/Prop308
[3] http://students.asu.edu/sites/default/files/how_to_petition_sept2021.pdf
[4] https://students.asu.edu/sites/default/files/in_petition_instructions_september_2022.pdf
[5] https://students.asu.edu/sites/default/files/de_petition_instructions_aug_2021.pdf
[6] https://students.asu.edu/sites/default/files/sp_petition_instructions_aug_2021.pdf
[7] https://students.asu.edu/sites/default/files/tr_petition_instructions_aug_2021.pdf
[8] https://students.asu.edu/sites/default/files/mi_petition_instructions_aug_2021.pdf
[9] https://students.asu.edu/sites/default/files/vt_petition_instructions_july_2022.pdf
[10] https://students.asu.edu/sites/default/files/na_petition_instructions_aug_2021.pdf
[11] https://students.asu.edu/sites/default/files/am_petition_instructions_aug_2021.pdf
[12] https://students.asu.edu/sites/default/files/tw_petition_instructions_aug_2021.pdf
[13] http://www.azregents.edu/board-committees/policy-manual
[14] https://go.oasis.asu.edu/residencypetition/

[15] https://students.asu.edu/academic-calendar
[16] https://students.asu.edu/residency-classification-contact-us
[17] https://students.asu.edu/residency-deadlines
[18] https://eoss.asu.edu/dos/srr
[19] https://www.asu.edu/go/residencypetition
[20] https://students.asu.edu/residency-appeal
[21] https://students.asu.edu/financial-aid/contact
[22] https://students.asu.edu/forms/visa-types-and-residency-eligibility
[23] https://www.azregents.edu/policy-manual
[24] https://students.asu.edu/taxonomy/term/244

# Residency petition documentation

Your documentation is a critical part of your petition. However, the list of documents needed can only be generated after you have completed the online questionnaire portion of your petition. Use the residency navigator [1] to help determine which petition type is most applicable to your situation and start your petition from here [2].

If you have questions or need assistance, contact the residency office [3] for help.

## Submitting documentation

You will use the residency petition dashboard [2] to upload and submit all required documentation. This is a secure application that stores your documents directly to your student record. Be sure to submit all documents prior to the document deadline [4].

Here are some tips to help you with uploading your documents:

- Each requested item requires a separate file. For example, you will have one file for your driver's license, one for your voter registration, etc.
- You can and should upload multiple files for specific items. For example, 12 months of bank statements would be uploaded as 12 separate files. This simplifies the review process and makes it easier to keep track of your documents.
- You can add descriptions to your uploaded documents to clarify what that document is or why it is being provided.
- You can delete documents that were added by mistake; however, once you hit the "Submit Documents" button, your documents are saved to your student record and cannot be removed.
- Your required documents list is generated based on how you answer certain questions. All documents are important and not providing something may cause your petition to be denied.
- Per ABOR guidelines, "Objective Evidence" means documentation or information other than an individual's own statement(s) of intent. Statements of intent will not meet your burden to provide objective evidence.
- You can upload some documents and then return at a later date to finish, but nothing is official until you click on the "Submit Documents" button.
- You won't be able to submit your documents until request documents have been uploaded.
- Acceptable file types are: .BMP, .CSV, .DOC, .DOCX, .JPEG, .JPG, .PDF, .PNG, .RTF, .TIF, .TIFF, .TXT, .XLS, .XLSX
- Make it easy for your evaluator to quickly make sense of your documents by giving each file a unique or descriptive name, e.g., "May_2021_Bank_Statement".

If you get stuck or have an issue, try this: How to Upload Documents [5]. Or, let us know - we can help you through the process.

## Petition fees

Petition fees can be paid from the Residency Petition Dashboard [2]. If payment is required for your petition type, your petition will not be reviewed until this fee is paid. The Residency Classification Office cannot accept or process any fee payments.

## Petition instructions

Click on the link below to find instructions for your petition type.

## $50 fee required

Independent Student [6]
Dependent Student [7]
Spouse of an Arizona Resident [8]
Transferred Employee [9]

## No fee

Military Exception [10]
Veteran Exception [11]
American Indian Exception [12]
Teacher Waiver [13]
AmeriCorps/VISTA Exception [14]

## Additional information

- Petitions are processed based on when they are completed (and marked as “in queue”). Submit your petition and supporting documents as early as possible.
- When you submit a petition, a priority task will appear in My ASU [15] to remind you to support your petition with appropriate documentation. Once we have what we need, this task will be removed.
- The university considers all information relevant to your request – this includes anything in your academic record – e.g. admissions application, financial aid awards, etc.
- We may verify the authenticity of all documents provided and may add our own research or findings to your petition.
- You are expected to provide all required documents. If there is something you can’t provide, please submit a written explanation instead.
- Your documentation must be clear and legible.
- All students are advised to redact sensitive information prior to the submission of certain documents, e.g., your social security number on your tax return.
- You may be asked for additional documents or written explanation.
- The burden of proof belongs to you. It is your responsibility to support your petition with appropriate documentation.
- Applications and accompanying documentation will be retained by Arizona State University in accordance with university approved requirements. All information will be kept confidential as required by law and university policy.

## Resources

- Moving to Arizona? Arizona Department of Revenue [16]
- New to Arizona? Arizona Motor Vehicle Division [17]
- Request a copy of an Arizona tax return from the Arizona Department of Revenue [18]
- Request a motor vehicle record from the Arizona Motor Vehicle Division [19]
- Request a tax transcript from the Internal Revenue Service [20]
- U.S. Citizenship and Immigration Services [21]
- Deferred Action for Childhood Arrivals (DACA) [22]
- Arizona Board of Regents Residency Classification [22]

**Source URL:** https://students.asu.edu/residency-petition-documentation

**Links:**
[1] https://students.asu.edu/residency
[2] https://go.oasis.asu.edu/residencypetition/
[3] mailto:residency@asu.edu
[4] https://students.asu.edu/residency-deadlines
[5] https://students.asu.edu/files/how_to_upload_your_petition_documents_apr2020.pdf
[6] https://students.asu.edu/sites/default/files/in_petition_instructions_september_2022.pdf
[7] https://students.asu.edu/sites/default/files/de_petition_instructions_aug_2021.pdf
[8] https://students.asu.edu/sites/default/files/sp_petition_instructions_aug_2021.pdf
[9] https://students.asu.edu/sites/default/files/tr_petition_instructions_aug_2021.pdf
[10] https://students.asu.edu/sites/default/files/mi_petition_instructions_aug_2021.pdf
[11] https://students.asu.edu/sites/default/files/vt_petition_instructions_july_2022.pdf

[12] https://students.asu.edu/sites/default/files/na_petition_instructions_aug_2021.pdf
[13] https://students.asu.edu/sites/default/files/tw_petition_instructions_aug_2021.pdf
[14] https://students.asu.edu/sites/default/files/am_petition_instructions_aug_2021.pdf
[15] http://my.asu.edu/
[16] https://azdor.gov/individual-income-tax-information/moving-arizona
[17] http://www.azdot.gov/mvd/driver-services/NewtoAZ
[18] https://azdor.gov/forms/other-forms/request-copies-tax-documents
[19] http://www.azdot.gov/mvd/driver-services/driver-license-information/motor-vehicle-records
[20] http://www.irs.gov/Individuals/Get-Transcript
[21] http://www.uscis.gov/
[22] http://www.dhs.gov/deferred-action-childhood-arrivals

# Residency deadlines

## Deadlines

Deadlines are critical and missing a deadline can have significant consequences.

- **Petition deadline**. Per ABOR policy, failure to submit a petition by this deadline constitutes a waiver of your right to petition for that term. This deadline specifically applies to the online questionnaire portion of your petition.
- **Document deadline.** Your supporting documentation (and petition fee, if applicable) must be submitted by this date. Petitions that are not supported by all requested documentation will be withdrawn from consideration.
- **Priority deadline.** If an early decision is important to you, make sure you submit your petition, upload all requested documents and pay the petition fee (if applicable) prior to this date.

| Deadline | Spring 2023 | Summer 2023[2] | Fall 2023[2] | What it Means - Why It's Important |
|---|---|---|---|---|
| **Petition Deadline[1]** | 1/15/2023 | 5/17/2023 | 8/23/2023 | • The questionnaire portion of your petition must be submitted before this deadline.<br>• All requirements as outlined in each petition type must be completed or satisfied by this date. |
| **Document Deadline** | 1/30/2023 | 6/6/2023 | 9/7/2023 | • This is the last day to submit documentation and pay the fee for your petition.<br>• Petitions that are lacking supporting documentation will be withdrawn. |
| **Priority Deadline** | 11/1/2022 | 4/1/2023 | 6/1/2023 | • Petitions "in queue" prior to the priority deadline will be evaluated before the first day of classes.[3]<br>• Meeting this deadline means your petition will be reviewed before tuition is due. |

[1] If the questionnaire portion of your petition is not completed and submitted before the petition deadline, you have forfeited your opportunity to request reclassification for that semester. Extensions are not granted and there is no option to appeal a missed deadline.

[2] The petition for summer 2023 and fall 2023 will be available after January 30, 2023.

[3] A petition is marked "in queue" when all supporting documents have been submitted and the petition fee (if applicable) has been paid. You can check the status of your petition from the Residency Petition Dashboard [1].

## When to submit your petition

Submit your petition - which includes the online questionnaire and all requested supporting documentation - as early as possible, but not prior to when you are meeting all stated requirements for your petition type. For example, if you are petitioning as an independent student and won't meet the continuous physical presence requirement until August 1, then don't submit your petition until after August 1. Submitting your petition before you meet requirements may result in either your petition being denied or a request to provide additional documentation, which will further delay the process of reviewing your request.

## Processing time

Processing times vary and are largely dependent on when your petition and supporting docs are submitted. Average processing time is 4-6 weeks, but decisions will take longer for petitions that are submitted within one month of the petition deadline. If you need a decision prior to the first day of classes, you should submit everything (petition and all required documents) no later than the priority deadline [2].

**Source URL:** https://students.asu.edu/residency-deadlines

**Links:**
[1] https://go.oasis.asu.edu/residencypetition/
[2] https://students.asu.edu/residency-deadlines
[3] https://students.asu.edu/taxonomy/term/244

# Residency petition committee review

Students that petitioned for residency reclassification [1] but were denied by the residency office can request a review of their decision per ABOR 4-205. Reviews are only conducted only after the student's petition has been denied by the residency office.

The petition review process gives the student an opportunity to meet with the Residency Classification Review Committee and to provide additional information in support of their request to be classified as a resident for tuition purposes. Decisions made by the review committee are final.

## Deadlines

Per policy, all requests for review must be filed no later than 35 days after the last day of registration [2] for the term for which your petition was submitted. Failure to file a request for a review hearing within the time prescribed shall constitute a waiver of the right to request a review hearing and the determination made by the Residency Classification Office shall be final. Students cannot request a review until their residency petition has been denied. **The deadline to request a committee review will be noted on the decision summary prepared by the residency office.**

## Submit your review request

Before submitting your request, please review your decision summary and denial letter [1] (and current Arizona Board of Regents (ABOR) guidelines [3].) If you do not have a denial letter or decision summary, you are not yet eligible to request a committee review.

- Form: Residency Petition Committee Review Request [4]
- Additional instructions are included on the form.

## New documentation

New documentation should be submitted with your review request. You will have 7 days after submitting your request to upload and submit additional documentation. This ensures that all review committee members have sufficient time to consider this new information prior to your hearing.

## Scheduling

Hearing schedules are created prior to each semester based on committee member availability. Every effort will be made to accommodate your class schedule; however, with limited dates and times there can be no guarantee that your hearing

will be compatible with your schedule. Requests for changes must be submitted in writing no later than 5 business days prior to your scheduled hearing.

- Reviews are prioritized and scheduled based on receipt date of your request.
- You will receive notification of your scheduled review at least 7 business days prior to your hearing.
- Hearings are only scheduled on weekdays and may be scheduled during spring, fall or winter breaks.

## Review hearing

All review hearings will be conducted via Zoom and hosted by a representative from the University (who otherwise does not participate). Committees will have 3, 4 or 5 voting members, all of whom will have a thorough understanding of your situation and applicable residency requirements. Members will review all aspects of your petition and ask questions relevant to your situation. Your hearing is limited to 30 minutes and a decision will made at either the conclusion of your hearing or within 10 business days.

## Attendance

It is preferable, but not required, that you attend this hearing. If you choose to not attend, your hearing will be held in absentia and the committee will make their final decision based on all information available to them. Hearings held in absentia cannot be rescheduled.

## Counsel or representation

You are allowed to invite witnesses or have legal representation at your hearing. If an attorney or other person(s) will be representing you at your hearing, please provide the Residency Office with that information in advance. The format of your hearing will be determined by the committee.

## Review committee decision

Decisions of the Residency Classification Review Committee are final. Overturning the decision to deny your petition requires a majority vote from the committee. In the unlikely event of a tie vote, the original decision made by the Residency Office shall stand.

Written notice of the decision made by the committee will be sent to the email address assigned to you by the University, i.e., your @asu email address.

Per ABOR policy, if your decision is upheld by the review committee (i.e. denied), there are no further procedures within the university available to you, but you may have the right to seek judicial review in the state courts. See ABOR 4-205 [5] for additional information.

## Other considerations:

- All review hearings are recorded, as required by ABOR policy.
- If the decision to deny your petition is overturned, your tuition will be adjusted and/or refunded for the term in question, as applicable.
- Committee members must comply with ABOR guidelines and have no authority to make exceptions.
- Having a review scheduled does not excuse you from other deadlines, obligations or commitments, including submitting a new petition for subsequent semesters.

**Source URL:** https://students.asu.edu/residency-petition-committee-review

**Links:**
[1] https://go.oasis.asu.edu/residencypetition/
[2] https://students.asu.edu/academic-calendar
[3] https://www.azregents.edu/board-committees/policy-manual
[4] https://students.asu.edu/forms/residency-appeal-form
[5] https://www.azregents.edu/policy-manual
[6] https://students.asu.edu/taxonomy/term/244

# Residency classification - contact us

## Email

Email is great for questions you can't find an answer to. Be sure to include your full name and ASU ID or date of birth.

Email us [1]

## Appointments

Schedule a 15-minute Zoom appointment if you don't find what you need on the residency web pages [2].

Book Now [3]

## Phone

Give us a call if you have a quick question or need help finding a resource.

480-965-7712

## Petition & documents

Check the status of your petition or upload documentation for your residency petition from the residency petition dashboard.

Residency Petition Dashboard [4]

## FAQs

Your questions may be answered on our requirements [5] page or in our frequently answered questions.

FAQs [6]

## Future Sun Devils

We want to help everyone. If you were admitted for spring 2024, please consider contacting us after September 15, 2023 so we can give you the time and attention you deserve. Be sure to read up on the requirements first.

Future Sun Devil [5]

**Source URL:** https://students.asu.edu/residency-classification-contact-us

**Links:**
[1] mailto:residency@asu.edu
[2] https://students.asu.edu/residency
[3] https://outlook.office365.com/owa/calendar/ResidencyClassification@arizonastateu.onmicrosoft.com/bookings/
[4] https://go.oasis.asu.edu/residencypetition/
[5] https://students.asu.edu/residency-requirements
[6] https://students.asu.edu/faq/156
[7] https://students.asu.edu/taxonomy/term/244

# Frequently asked questions - declaring Arizona residency

**I indicated that I was an Arizona resident on my admissions application, yet I am classified as a non-resident and was charged the non-resident application fee? How can I fix this?** [1]
Your residency classification is determined by a review of all of the information provided on your admissions application in accordance with guidelines provided by the Arizona Board of Regents. Your status as a non-resident is a result of one or

more factors used to determine this classification. Please review the Residency Classification [2] web page and contact a residency specialist [3] if you have any questions.

**I am currently attending a community college in Arizona as a resident; does that make me a resident at ASU?** [4]
Not necessarily. Residency for tuition purposes for the three state universities is determined according to guidelines established by the Arizona Board of Regents (ABOR). The community colleges are not governed by ABOR and your classification as a resident at the community college may or may not be in compliance with current ABOR policies.

**I am a continuing student; will my residency automatically change after one year?** [5]
No. Your status will remain non-resident and any student wanting to be re-classified must initiate the process by contacting the residency office and submitting a petition by the appropriate deadline. Simply being a student at ASU for one year is not sufficient for residency purposes per ABOR policy, which reads, “No individual has established residency for tuition purposes in Arizona while attending any education institution in Arizona as a full-time student in the absence of objective evidence to the contrary.”

**I was born and raised in Arizona then left for a short period of time before returning, can I still be classified as an Arizona resident for tuition purposes?** [6]
Leaving Arizona will not result in a loss of Arizona residency unless your absence is accompanied by actions that indicate intent to establish a new domicile elsewhere. Former residents of Arizona who established domicile elsewhere would be classified as non-residents upon return and would not be eligible for residency until current ABOR policies are met. Residency classification is re-visited after any break in enrollment or absence from the university.

**How long does it take to review my petition and where can I track its progress?** [7]
Average processing time is 4-6 weeks. Petitions submitted closer to the deadline may take longer. If you need a decision prior to the first day of classes, you should submit everything (petition and all required documents) no later than the priority deadline [8].

You can monitor the status of your petition from the residency reclassification application portal [9].

When a decision is made, an email will be sent to your @ASU email address.

**Does living in Arizona with a relative other than my parents have any effect on residency status?** [10]
No. Your status will be determined based on a review of your situation, but living with family members or friends is not an indicator of intent or domicile and will not influence your status.

**I am a dual resident of Arizona; can I be considered a resident for tuition purposes?** [11]
No. Any person wishing to be classified as a resident would need to provide objective evidence of intent to be a permanent resident of Arizona and demonstrate that all ties to the former state have been severed.

**My parents live out-of-state but I attend an Arizona high school; will I be considered a resident if I graduate from an Arizona high school?** [12]
No, you would be classified as a non-resident. Per ABOR guidelines, “The domicile of an unemancipated person is that of either parent.” You may, however, qualify for the Non-Resident Tuition Rate for Arizona High School Graduates [13], which is 150% of in-state tuition.

**I attended an Arizona institution using the WUE (Western University Exchange) or WICHE (Western Interstate Commission for Higher Education) program; will I be considered a resident?** [14]
The WUE/WICHE program allows residents of a participating state to pay a special, reduced tuition rate at participating institutions in other states. However, the student must maintain residency in the originating state. In other words, by participating as a WUE/WICHE student you are affirming that you are not an Arizona resident. ABOR requirements for physical presence and intent to be an Arizona resident cannot be satisfied as a WUE/WICHE student. Refer to the ASU WUE page for more information.

**Are there any hardship exceptions?** [15]
No. Any person requesting classification as a resident for tuition purposes must prove they meet ABOR requirements or that they meet one of the approved exceptions.

**I own property in Arizona; doesn't that make me a resident?** [16]
Owning property in Arizona does not automatically qualify you as a resident for tuition purposes. Property ownership is one factor to be considered, but would not be sufficient without other objective evidence of domicile and intent.

**If I marry an Arizona resident, can I be classified as a resident?** [17]
Yes. There is a provision in current ABOR guidelines that would allow you to be re-classified if you marry a resident of Arizona. You would request reclassification by submitting a residency petition and providing appropriate documentation to support that both you and your spouse meet current ABOR guidelines for the spouse exception.

**I am a research assistant, teaching assistant or graduate assistant and have been paying resident tuition. Am I a resident?** [18]
No. These positions are funded by waivers submitted by your college or department that pays the out-of-state portion of your tuition and fees; but, your status for residency purposes remains non-resident. To request reclassification, you would need to submit residency petition and appropriate supporting documentation.

**I'm an ASU employee who is classified as a nonresident for tuition purposes, but am otherwise eligible for the Qualified Tuition Reduction Program. How should I proceed?** [19]
Please submit your Qualified Tuition Reduction Form (QTR) [20] to the Student Accounts Office. Once submitted, that office will notify the Residency Office who will adjust your residency status for the term in question.

**My parent is an ASU alumnus; does it have any effect on my residency classification?** [21]
No. Your residency classification is evaluated against current ABOR policy and your parent's status as an alumnus is not a consideration.

**Source URL:** https://students.asu.edu/faq/156

**Links:**
[1] https://students.asu.edu/faq/i-indicated-i-was-arizona-resident-my-admissions-application-yet-i-am-classified-non-resident
[2] https://students.asu.edu/residency
[3] mailto:residency@asu.edu
[4] https://students.asu.edu/faq/i-am-currently-attending-community-college-arizona-resident-does-make-me-resident-asu
[5] https://students.asu.edu/faq/i-am-continuing-student-will-my-residency-automatically-change-after-one-year
[6] https://students.asu.edu/faq/i-was-born-and-raised-arizona-then-left-short-period-time-returning-can-i-still-be-classified
[7] https://students.asu.edu/faq/how-long-does-it-take-review-my-petition-and-where-can-i-track-its-progress
[8] https://students.asu.edu/residency-deadlines
[9] https://www.asu.edu/go/residencypetition
[10] https://students.asu.edu/faq/does-living-arizona-relative-other-my-parents-have-any-effect-residency-status
[11] https://students.asu.edu/faq/i-am-dual-resident-arizona-can-i-be-considered-resident-tuition-purposes
[12] https://students.asu.edu/faq/my-parents-live-out-state-i-attend-arizona-high-school-will-i-be-considered-resident-if-i
[13] https://students.asu.edu/non-resident-tuition-rate-arizona-high-school-graduates
[14] https://students.asu.edu/faq/i-attended-arizona-institution-using-wue-western-university-exchange-or-wiche-western-interstate
[15] https://students.asu.edu/faq/are-there-any-hardship-exceptions
[16] https://students.asu.edu/faq/i-own-property-arizona-doesnt-make-me-resident
[17] https://students.asu.edu/faq/if-i-marry-arizona-resident-can-i-be-classified-resident
[18] https://students.asu.edu/faq/i-am-research-assistant-teaching-assistant-or-graduate-assistant-and-have-been-paying-resident
[19] https://students.asu.edu/faq/im-asu-employee-who-classified-nonresident-tuition-purposes-am-otherwise-eligible-qualified
[20] https://students.asu.edu/tuitionreduction
[21] https://students.asu.edu/faq/my-parent-asu-alumnus-does-it-have-any-effect-my-residency-classification

# Verification of citizenship or lawful immigration status

For all terms prior to spring 2023, Arizona state law requires students to provide verification of citizenship, permanent residency or other lawful immigration status if they are classified as residents for tuition purposes or if they are seeking any type of financial assistance that is subsidized or paid in whole or in part with state monies.  Students that need to complete this requirement are notified on My ASU [1] via a Priority Task or Financial Aid Disbursement Hold.

## Verification process

### Option 1: Free Application for Federal Student Aid (FAFSA) [2]

Verifying via the FAFSA is preferred. Students verified this way do not need to provide any additional documentation. Your priority task will be marked complete when ASU **receives and accepts** your FAFSA (which is typically five to seven days after your FAFSA is submitted to the US Department of Education). You may need to provide additional information if your FAFSA is rejected or selected for review by Financial Aid and Scholarship Services.

### Option 2: Submit documents electronically [3]

Students can upload appropriate documents electronically using ASU's secure web form. A list of acceptable documents is provided on the web form. All documentation is subject to review and students may be asked to provide additional information. Processing time is 2-3 business days.

### Option 3: Submit documents by email [3]

Students can submit documents by mail (see below) or by email to registrar@asu.edu [4]. Copies of your documentation is acceptable provided they are legible and unaltered. All documentation is subject to review and students may be asked to provide additional information. Processing time is 2-3 business days.

Mail to:

Arizona State University
University Registrar Services
P.O. Box 870312
Tempe, AZ 85287-0312

Documentation submitted by mail or by email must include a signed copy of the Citizenship Verification Form [5].

Completing this requirement is the student's responsibility. Students that do not provide verification will be charged non-resident tuition and will not be eligible for state-funded financial aid. If you have questions or concerns, please contact University Registrar Services at registrar@asu.edu [6] or 480-965-3124.

## Acceptable documents for verifying citizenship or other lawful immigration status

**Documents most frequently submitted by U.S. citizens:**

- Arizona Driver's License
- U.S. Birth Certificate (with photo ID)
- Signed U.S. Passport
- Non-Arizona Driver's License (licenses and permits from the following states are NOT permissible: California, Colorado, Connecticut, Delaware, Hawaii, Illinois, Maryland, Nevada, New Jersey, New Mexico, New York, Oregon, Utah, Vermont, Washington and the District of Columbia).
- Bureau of Indian Affairs ID Card, Tribal ID Card, or Certificate of Indian Blood (with photo ID)
- Signed U.S. Social Security Card (with photo ID)
- Signed Certificate of U.S. Citizenship or Signed Certificate of Naturalization (with photo ID)
- U.S. Military ID or DD-214 documentation (with photo ID)
- U.S. Armed Forces Driver's License
- Voter's Registration Card (with photo ID)
- Military dependent's ID card
- Consular Report of Birth Abroad (Form FS-240) Issued by State Department

**Documents most frequently submitted by non-U.S. citizens:**

- Signed unexpired Foreign Passport and valid U.S. Visa
- Permanent Resident Card
- F1 Visa and I-20 (signed)
- J1 Visa and DS-2019 (signed)
- Refugee Travel Document (Form I-571) issued since 2003
- Form I-94 arrival/departure record with endorsement (expiration date must not have passed); stamp showing admission under section 207 (refugees) or section 208 (asylee) of the Immigration Nationality Act

If you are unable to provide verification or if you have questions, please contact University Registrar Services at registrar@asu.edu [7]

**Source URL:** https://students.asu.edu/verification-citizenship

**Links:**
[1] https://my.asu.edu/
[2] https://students.asu.edu/financialaid/apply
[3] https://students.asu.edu/forms/citizenshipstatus-verification-form
[4] mailto:registrar@asu.edu?subject=Verification%20of%20Citizenship%2FLawful%20Presence%20
[5] https://students.asu.edu/sites/default/files/cv_form_02232021.pdf
[6] mailto:registrar@asu.edu?subject=Citizenship%20Verification%20Question
[7] mailto:registrar@asu.edu

# Tuition and fees

## Tuition costs and fees

### Definitions of ASU tuition costs and fees

As an ASU student, you will pay tuition (the cost of taking your classes) and fees (a charge for the use of something like technology or the gym). Your tuition and fees will differ from other students based on a variety of factors.

### What are the tuition and fees at ASU?

ASU tuition costs vary on a number of things, the biggest being whether you are a resident or nonresident of Arizona. ASU in-state tuition costs less than ASU out-of-state tuition (roughly $12,000 per year vs. $32,000 per year for a bachelor's degree).

ASU fees also vary by student type, but there are some fees, such as the athletics fee, that all students are required to pay. (But by paying it you get to attend all ASU Athletics events. Go Devils!)

#### Types of ASU tuition

##### Resident tuition

Students who have established that they are Arizona residents for tuition purposes typically attend college at a lower rate than out of state students. Students are asked to prove their residency status by meeting certain criteria [1].

##### Nonresident tuition

Students who are not residents of Arizona will pay an out of state tuition rate. Some non-resident students may be eligible for reduced tuition through programs such as the Western Undergraduate Exchange [2].

##### International tuition

As an international student, you'll pay ASU for tuition and fees. Housing and meals, books and supplies, transportation, and personal expenses will vary. Learn more about tuition as an international student [3].

##### Online tuition

ASU Online tuition costs range between $561–$1,343 per credit hour, depending on your program, transfer credits and course load. Learn more about ASU Online tuition [4].

#### Common ASU fees

Colleges charge students various fees to support certain programs that in turn support students. These fees vary depending on the college. Read on for some examples of ASU student fees. This is not a complete list of ASU student fees, but is intended to give you an idea of what they are and what they're for.

##### Student initiated fees

Student initiated fees are fees that are used to enrich the student experience. At ASU they include:

- **Recreation fee ($25)** to support programs and services at the Sun Devil Fitness Complex.
- **Student Service Facility fee ($75)** to build and refurbish common student spaces.
- **Student Programs fee ($35)** for programs that support the student experience.
- **Health and Wellness fee ($55)** for health and counseling services.
- **Student Athletic fee ($75)** to support Sun Devil Athletics (and get free tickets in return).
- **College and school fees**
  These fees vary depending on your college. Check with them for more details.

See a complete list of fees [5]

## How can I find out how much my tuition will be?

1. Identify which ASU degree you want to earn.
2. Determine whether you are an in-state resident, or if you are an out-of-state, or international student.
3. Determine your general costs by using the tuition estimator [6].
4. Explore your financial aid options.
5. Receive an estimate of how much financial aid you can apply to tuition costs.
6. Existing students will receive monthly eBills on My ASU.

## More questions about tuition, fees and costs?

Frequently asked questions [7]

**Source URL:** https://tuition.asu.edu/cost/tuition-fees

**Links:**
[1] https://students.asu.edu/residency
[2] https://admission.asu.edu/wue
[3] https://admission.asu.edu/aid/international
[4] https://asuonline.asu.edu/what-it-costs/
[5] https://tuition.asu.edu/cost-calculator/tuition-fees/fee-descriptions
[6] https://students.asu.edu/tuition
[7] https://tuition.asu.edu/contact-resources/faq/

# ASU tuition and fee descriptions

## What are ASU tuition and fee descriptions?

ASU tuition and fees are approved annually by the Arizona Board of Regents. In addition to resident and nonresident tuition, commonly billed tuition and fees include:

### Differential tuition and program tuition

Certain colleges and programs assess additional differential and program tuition as approved by the Arizona Board of Regents. Visit the Tuition and Fees Schedules [1] for college and program specific tuition and fees.

#### Excess hours tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold are required to pay an Excess Hours Tuition Surcharge. Students who have more than 145 credit hours will be assessed the Undergraduate Excess Hours Tuition Surcharge.

See exemptions [2]

### Undergraduate college fee 1-4 for on-campus programs

The Undergraduate College Fee is one of four fee categories based on a student's program of study. ASU conducted a comprehensive review of all instructional costs for every program. Programs of study with similar costs were grouped together, and those fees were averaged to determine an amount for each category. *Visit the Tuition Estimator [3] to determine your Undergraduate College Fee.

#### Undergraduate college fee 1

Mary Lou Fulton Teachers College
College of Integrative Sciences and Arts: Humanities and Social Sciences
New College of Interdisciplinary Arts and Sciences: Humanities and Social Sciences

### Undergraduate college fee 2

College of Global Futures
College of Integrative Sciences and Arts: Sciences
New College of Interdisciplinary Arts and Sciences: Sciences
The College of Liberal Arts and Sciences: Humanities and Social Sciences
University College
Watts College of Public Service and Community Solutions

### Undergraduate college fee 3

College of Health Solutions
College of Nursing and Health Innovation**

### Undergraduate college fee 4

Herberger Institute for Design and the Arts
Ira A. Fulton Schools of Engineering
The College of Liberal Arts and Sciences: Sciences
Thunderbird School of Global Management
Walter Cronkite School of Journalism and Mass Communication
W.P. Carey School of Business

## Technology fee

The Technology Fee assessed to online students funds technology initiatives including implementation of ASU's wireless network, delivering University-licensed software to all students, increasing the number of technology-enabled classrooms, reducing dependence on computing labs and expanding and improving online self-service environments.

## Graduate student support fee

The Graduate Student Support Fee helps fund resources and services that support graduate students, including technology resources and services, instructional and laboratory expenses in departments and schools, and graduate student services.

## Special class, hybrid, oCourse, iCourse fees

Special Class, Hybrid, oCourse and iCourse fees are assessed based on enrollment in specific classes. These fees are published with each class through Class Search [4].

## Late registration fee

All students who register beginning the week before the first day of the semester will be assessed a late registration fee of $50.00, with the exception of students enrolling only in late start sessions. Students enrolling exclusively in late start sessions, will be assessed the late registration fee beginning one week before the session start date. Please see Tuition Deadlines [5] for specific dates. Registration after the published deadline may be permitted under extraordinary circumstances if approved by an authorized College designee. Late fees are not refundable.

**The College of Nursing and Health Innovation post-bac BSN will continue to maintain a separate fee. All other nursing programs will be in Undergraduate College Fee 3

# Student initiated fee

ASU's student government leaders, on behalf of the students they represent, sought and received ABOR approval for the following Student Initiated Fees. Funding from these fees will be used to enrich the student experience.

## Recreation fee

The Recreation Fee of $25.00 per semester supports programs and services at the Sun Devil Fitness Complexes. Additionally, these funds are used to provide support for programs/services like intramural sports and activities, a broad array of fitness classes, aquatics programs, instructional classes, and health education workshops, events and programs. It also supplements student employment opportunities for over 500 on-campus student positions. There is an advisory

board that provides routine feedback on services, hours and programs to support guidance for overall student well-being. Students interested in serving on a Sun Devil Fitness Advisory Board are encouraged to apply [6].

## Student service facility fee

Students pay $75.00 per semester to a combined fund which is then utilized to build and refurbish student spaces such as Memorial Union, Sun Devil Fitness Complexes, etc. The Student Service Facility Fee allows for the enhancements of existing facilities and the planning and development of new student service facilities to meet the needs of a growing student population. For a list of facilities built and supported by the fee click here [7]. Students interested in serving on the Facility Fee University Board to participate in discussions on these building projects are encouraged to apply [6].

## Student programs fee

The Student Programs Fee provides funding for student programming initiatives. Undergraduate students pay $35.00 per semester and Graduate students pay $35.00. Managed by the student government at each location, this fee is used to create programming that supports the student experience, student needs and interests. Recipients of the programs fee funding include: Programming and Activities Board (PAB) [8], Clubs and Organizations [9], Sports Clubs [10], Council of Coalitions [11], and the Childcare Subsidy [12]. In addition to these, each USG and GPSA also uses this fee to help support professional development, travel funding to support research and attend conferences, and large scale student programs and activities. To apply for these funding opportunities, visit your student government website [13]. For detailed information about each student government's budget, please visit this website [14]. To provide feedback or ask questions about the fiscal budget, please reach out to your respective Student Government President [15].

## Health and wellness fee

Students pay $55.00 per semester to the Health and Wellness Fee to supplement the operation of ASU Health and Counseling Services. Funding supports a portion of the operating budget for medical and psychological services and health education and promotion. The Health Services Advisory Board provides routine feedback to the Director of Health Services on services provided, quality and efficiency of care, new innovations, and student needs. Students interested in serving on the Health Services Advisory Board are encouraged to apply [6]

## Student athletic fee

Students pay $75.00 per semester for the Student Athletic Fee which supplements and supports the operations of Sun Devil Athletics, in exchange for a reinvestment of university funds into student identified priorities. Through the establishment of this fee, the tuition dollars traditionally allocated to Sun Devil Athletics will be reinvested into the university system in order to grant additional resources and services as identified by the Associated Students of Arizona State University, thereby establishing students as effective stakeholders in both Sun Devil Athletics and the university system, and furthering transparency between the university and the Associated Students of Arizona State University [16] over tuition dollars. These priorities were established by the Athletic Fee Operations Board and over the years have included salary increases for Research and Teaching Assistants to a minimum standard, expanding transportation services to include weekends and holidays, free attendance to all ASU football games, and free graduate test prep programs [17]. Students interested in serving on the Athletic Fee Operations Board are encouraged to apply [6].

## ***Financial aid trust fee

The Financial Aid Trust Fee [18] assessed to all students as authorized by the Arizona Legislature. ***This is a fee that all ABOR students pay, including online students.***

Student Financial Aid Trust grants are assistance provided in partnership between ASU students and the state legislature. All students are assessed this fee to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. Priority for these limited awards is given to eligible undergraduate students who file their FAFSA by the priority filing date of January 1 and who are Arizona residents or underrepresented students with high financial need

**Source URL:** https://tuition.asu.edu/cost-calculator/tuition-fees/fee-descriptions

**Links:**
[1] http://www.asu.edu/admissions/tuitionandfees/
[2] https://tuition.asu.edu/tuition-surcharge
[3] https://students.asu.edu/tuition
[4] https://www.asu.edu/go/classsearch/

[5] https://tuition.asu.edu/billing-finances/deadlines
[6] https://eoss.asu.edu/studentgov/get-involved/boards-committees
[7] https://tuition.asu.edu/cost-calculator/tuition-fees/fee-descriptions
[8] https://eoss.asu.edu/pab
[9] https://eoss.asu.edu/clubs/
[10] https://fitness.asu.edu/programs/sportclubs
[11] https://eoss.asu.edu/student-and-cultural-engagement/get-involved
[12] https://eoss.asu.edu/students-families/oncampus/sun-devil-child-care-subsidy
[13] https://eoss.asu.edu/studentgov/about
[14] https://docs.google.com/document/d/1eyL8E7cgBh-6szhD5XxhR1E_LXPkQE3RxP5cLZNKvgs/edit
[15] https://eoss.asu.edu/studentgov/about/contact-us
[16] https://eoss.asu.edu/studentgov
[17] https://career.asu.edu/
[18] https://public.azregents.edu/Policy%20Manual/4-322%20State%20Supported%20Financial%20Aid%20Programs.pdf

# Undergraduate excess hours tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold are required to pay an excess hours tuition surcharge. Students who have more than 145 credit hours will be assessed the Undergraduate Excess Hours Tuition Surcharge.

The Undergraduate Excess Hours Tuition Surcharge is billed in addition to tuition, program tuition, mandatory fees and class fees.

## Exemptions

The Excess Hours Tuition Surcharge must be assessed in accordance with Arizona State Statutes and is not subject to appeal. The Arizona Legislature, however, provided for certain exemptions to the credit hour threshold and surcharge:

1. Undergraduate degree programs that require credit hours above the credit hour threshold.
2. Credits earned in pursuit of up to two baccalaureate degrees: The excess hours tuition surcharge is not assessed if (a) student has previously earned a baccalaureate degree and is currently admitted to one undergraduate degree program or (b) has not previously earned a baccalaureate degree and is admitted to two or more undergraduate degree programs simultaneously. This exemption does not apply to students who have previously earned two or more baccalaureate degrees or students who have earned one baccalaureate degree and are currently admitted to two or more undergraduate degree programs.
3. Credits earned in the pursuit of up to two state-regulated licenses or certificates: Student is not required to be enrolled in both programs simultaneously. Examples include accounting, nursing, social work, and certain engineering degrees.
4. Credits earned in the pursuit of a teaching certification.
5. Credits transferred from a private institution of higher learning.
6. Credits transferred from an institution of higher education in another state.
7. Credits earned at another institution of higher education but that are not accepted as transfer credits at ASU.
8. Credits earned by students who enroll at a university under the jurisdiction of the board more than twenty-four months after the end of that student's previous enrollment at a public institution of higher education in this state.

### Tuition waivers and scholarships

Employee waivers and tuition scholarships do not apply to the Undergraduate Excess Hours Tuition Surcharge.

### Academic year 2023–2024 rates

For resident students the surcharge is $162 per credit hour up to a maximum of $1,134 for enrollment in 7 or more hours. For nonresident students the surcharge is $262 per credit hour up to a maximum of $3,144 for enrollment in 12 or more credit hours. For online students, the excess hours tuition rate is $113 per credit hour up to a maximum of $1,356 for enrollment in 12 or more credit hours.

**Source URL:** https://tuition.asu.edu/tuition-surcharge

# Qualified tuition reduction program

The Qualified Tuition Reduction Program permits eligible employees to take advantage of educational opportunities at the University.

**For additional information**
Please review SPP 505 [1], Employee-Reduced In-State Tuition, for additional information regarding eligibility and benefits.

## Qualified tuition reduction program eligibility

Reduced in-state tuition is available to faculty and staff who are employed at least 50% within the state university system, their spouses and dependent children. You must be employed on the first day of the session to be eligible for employee reduced in-state tuition. At ASU, the Qualified Tuition Reduction Form must be submitted on or before the first day of a session to qualify for reduced tuition.

Institutional merit-based aid provided by the University [2] will not exceed the value of stated resident tuition for each respective academic year when combined with the Qualified Tuition Reduction (QTR, a benefit for faculty and staff) or other tuition reduction programs (or waivers). Students offered multiple awards designated for base tuition, cannot receive more than 100% of base tuition. For questions regarding how your qualified tuition reduction benefit may impact your other financial aid awards, please contact Financial Aid [3].

## Additional information

### Qualified tuition reduction form(s)

ASU employees must complete and submit the Qualified Tuition Reduction Form each semester to receive the reduced in-state tuition benefit for classes taken at ASU, University of Arizona and Northern Arizona University. Forms can be signed and submitted electronically utilizing Adobe Sign. Forms can be obtained online [4] and will be routed accordingly to Student Business Services for review and processing upon electronic signature by the employee. Please allow 3-5 business days before your qualified tuition reduction benefit will be reflected on your ASU student account. Forms should be submitted prior to the first day of classes and early to ensure timely processing. The outstanding balance of the ASU tuition will remain on your student account and should be paid by the tuition payment deadline to avoid late fees.

### NAU and U of A Classes; ASU retirees

Please note there is a separate qualified tuition reduction form for classes at U of A or NAU and for ASU retirees taking classes at U of A, NAU or ASU. The qualified tuition reduction form for U of A/NAU/Retiree staff must be approved by staff in ASU Human Resources and then will be forwarded accordingly to the tuition payment office at the campus where classes are being taken.

### Affiliate organizations

Employees of ASU affiliate organizations are also eligible for the qualified tuition reduction benefit upon verification of their employment with the affiliate organization. A different form is necessary for employees of ASU affiliates. Upon submission of the form, ASU Student Business Services will verify employment with the applicable affiliate contact and, when confirmed, will apply the tuition reduction benefit. Due to the additional verification involved, please allow 7-10 business days for your benefit to be reflected on your ASU student account.

All forms are available on the CFO website [5] along with additional information about the qualified tuition reduction benefit. For questions or for employees preferring to manually sign their qualified tuition reduction form, please contact Student Business Services at tuitionreduction@asu.edu [6].

**Source URL:** https://tuition.asu.edu/cost/tuition-reduction

**Links:**
[1] http://www.asu.edu/aad/manuals/spp/spp505.html
[2] https://www.loom.com/share/4241e18164944ee58dde890eec1ab97b
[3] https://dev-tuition-asu.ws.asu.edu/contact-resources
[4] https://cfo.asu.edu/reduced-tuition
[5] https://cfo.asu.edu/
[6] mailto:tuitionreduction@asu.edu

# Tuition payment options

## Paying your bill

Students and parents have a variety of options for easily paying their tuition and charges. Our team is here to help you figure out which option is right for you so that you can stay on track and keep your account current. Keep in mind that in order for a parent or guest to make a payment, they need to have guest access in My ASU.

Watch video: How to make a payment [1].

Watch video: How to grant guest access [2].

## How can I make payments?

You have a choice of convenient options to make your payments. See which option is best for you.

### Pay online

To pay online, you can submit your payment on My ASU.

1. Sign in to My ASU [3].
2. Select the Finances link at the top of the page.
3. Click Pay Bill to be transferred to QuikPAY.

### eChecks (electronic check payment)

eChecks are a fast and simple online payment method that can be made from a U.S. checking or savings accounts. You'll need your bank's routing number and your account number, which you'll find on the bottom of your checks or you can get it from your account with your financial institution. eChecks are ASU's preferred payment method and are free. Read the eCheck FAQs [4] for more information.

### Credit and debit cards

ASU does not directly accept credit or debit card payments for tuition and student account charges, but has arranged for a third-party processor to accept Visa, MasterCard, Discover and American Express payments online through QuikPAY. The processor charges a non-refundable 2.5% service fee for credit and debit card payments. Credit and debit card payments are only accepted online and are not accepted by mail, over the phone or in person. Read the credit card FAQs [4] for additional information.

### International payments - Flywire

International students can make payments safely and securely through Flywire. With Flywire, you can make payments from banks worldwide with favorable exchange rates, typically in your home currency. You also have 24-hour multilingual customer support via email, live chat or phone to assist you with payment-related questions. See additional information about Flywire [5].

Note: Please be aware that Flywire is the only vendor authorized by ASU to facilitate international payments. For safety and security reasons, you should not attempt to make international payments through other companies or third-party vendors or via direct wire transfers to the university, especially those requesting My ASU login credentials, which should be kept private at all times.

### In person

Personal checks, cashier's checks, money orders and cash payments are accepted in person at Cashiering Services locations on all four campuses [6].

### By mail-in check or prepaid college savings plan

ASU accepts personal checks, cashier's checks, money orders, and prepaid or college savings plan (529) payments by mail. Please make the check or money order payable to the order of Arizona State University and include your student ID number on the memo line. Checks should be mailed to the following address:

ASU Cashiering Services
1151 S. Forest Ave., Ste. 244
PO Box 870303
Tempe, AZ 85287-0303

Mail checks at least two weeks prior to your tuition due date to avoid automatic enrollment in the ASU payment plan.

### Federal Perkins Loan repayment

ASU is your lender, and you'll repay ASU once your Perkins Loan moves to repayment status (typically nine months after graduation, withdrawal from school or dropping below half-time enrollment). Monthly payments depend on your loan amount and length of your repayment period. Payments can be made online. For complete details on repaying your Federal Perkins Loan, visit tuition.asu.edu/perkins-loan-repayment [7].

## What happens if I can't pay my charges on time?

If you miss paying your charges by the deadline, you'll be assessed late fees beginning at 30 days past due.

See the late fees that you may be assessed [8].

## Other things to know

**Using your financial aid to pay your charges**
Learn more [9]

**Pay for college with third-party sponsorships**
Learn more [10]

**Payment plan**
Learn more [11]

**ASU tuition refund policy**
Learn more [12]

### Incoming on-campus students

**Incoming on-campus first-year and transfer students**
Connect with your admission team member [13].

**Incoming graduate students**
Connect with your admission team member [14].

**Incoming military/veteran students**
Connect with your Pat Tillman Veterans Center team member [15].

**Incoming International students**
Connect with your admission team member [16].

### Incoming ASU Online students

**Call us at**
1-855-278-5080
**or visit the My ASU [17] Help tab to email a specific question.**

### Current students

**Call us**
1-855-278-5080

**Email us**
Visit the My ASU [17] Help tab to email a specific question.

**Chat with us**
**Launch a chat session** [18]

**Source URL:** https://tuition.asu.edu/billing-finances/pay-options

**Links:**
[1] https://www.loom.com/share/4241e18164944ee58dde890eec1ab97b
[2] https://www.loom.com/share/cd649a92853c4f5abc380e4356f2bf0a
[3] http://my.asu.edu/
[4] https://tuition.asu.edu/contact-resources/faq
[5] https://tuition.asu.edu/flywire
[6] https://tuition.asu.edu/contact-resources
[7] https://dev-tuition-asu.ws.asu.edu/perkins-loan-repayment
[8] https://tuition.asu.edu/billing-finances/pay-options/late-fees-checks
[9] https://tuition.asu.edu/financial-aid/disbursement
[10] https://tuition.asu.edu/billing-finances/pay-options/sponsorships
[11] https://tuition.asu.edu/billing-finances/payment-plan
[12] https://tuition.asu.edu/billing-finances/tuition-refund
[13] https://admission.asu.edu/contact/undergraduate
[14] https://admission.asu.edu/contact/graduate
[15] https://veterans.asu.edu/about-staff
[16] https://admission.asu.edu/contact
[17] https://my.asu.edu/
[18] https://webapp4.asu.edu/myasu/student/servicecenter

# What is the ASU payment plan?

The ASU payment plan is an option to help you attend ASU if you cannot afford to pay your tuition charges by the tuition due date.

## How does the ASU payment plan work?

The ASU payment plan offers you the option to budget your payment of certain university charges over several months within the semester. Eligible charges include tuition, housing, meal plans, parking permits and health insurance. See chart below that outlines specific ASU payment plan enrollment fee amounts and due dates [1].

### Get enrolled

There are two ways you can enroll in an ASU payment plan.

#### Automatic enrollment

If you have outstanding charges of $500 or more after the payment deadline, you'll be automatically enrolled in the ASU Payment Plan and be billed an ASU Payment Plan fee. If you wish to withdraw from your classes and avoid being enrolled in the ASU Payment Plan, you must do so before the semester or session starts. ASU does not withdraw students for nonpayment.

### Voluntary enrollment

If you want to enroll in the ASU Payment Plan, log in to My ASU and select the Finances tab. Then click “ASU Payment Plan” in the Financial Success box. Note that you have to re-enroll in the ASU Payment Plan each semester.

## ASU payment plan due dates

### Fall

**ASU payment plan due dates**

- August 25
- September 25
- October 25

**ASU payment plan enrollment**

- $100 Resident Students
- $200 Nonresident Students

### Spring

**ASU payment plan due dates**

- January 25
- February 25
- March 25

**ASU payment plan enrollment**

- $100 Resident Students
- $200 Nonresident Students

### Summer

**ASU payment plan due dates**

- May 25
- June 25
- July 25

**ASU payment plan enrollment**

- $50 Resident Students
- $100 Nonresident Students

*The summer sessions enrollment fee is $50 for resident students or $100 for nonresident students for each summer session registered in up to a maximum of two sessions.

## Who is the payment plan for?

- Students who know they’re not able to pay a full bill by the billing deadline.
- Students who have a past due balance of $500 or more.
- Students who receive financial aid, if aid does not cover all charges.

## Payment plan FAQs

**How do I avoid enrollment in the ASU payment plan?**
Make sure your balance is paid in full by the tuition due date, or is at least under $500 to avoid automatic enrollment in the ASU Payment Plan. Note that if you owe a balance of under $500, you will still be subject to a late fee. Review the ASU Late Charge Policy [2] for more information.

**Do I need to re-enroll in the payment plan every session?**
Yes. Because your financial circumstances can change from semester to semester, you have the option to enroll each semester.

**If I enroll in the ASU payment plan before the semester begins and end up not having a $500 balance, am I still enrolled in the plan?**
Yes. If you voluntarily enroll and charges are paid before the initial designated payment deadline, you will still be assessed the nonrefundable enrollment plan fee.

**Can I pay ASU in payments?**
Yes. You can enroll in a payment plan each semester, for an additional fee.

**Source URL:** https://tuition.asu.edu/billing-finances/payment-plan

**Links:**
[1] https://tuition.asu.edu/billing-finances/payment-plan#webspark-anchor-link--19
[2] https://tuition.asu.edu/billing-finances/pay-options/late-fees-checks

# Tuition refund policy

## Things to know about the ASU tuition refund policy

When you register for classes, you're obligated to pay all the tuition and registration fees. If you drop a class or officially cancel your enrollment during the 100 percent refund period, you'll get all your money back. If you're looking for information about a financial aid refund (financial aid funds left over after your tuition and charges are paid), visit the aid disbursement page.

### Nonrefundable charges

After the 100 percent refund period passes, tuition and fee payments become nonrefundable.
Beginning Fall 2023, this date is the same as the drop deadline for classes offered in Sessions A, B and C

### Amount of refund

If you owe any university charges, they will be deducted from your refund and be subject to payment holding periods.

### Withdrawal/cancellation date

Withdrawal or cancellation officially occurs on the calendar date that you request it, whether in person or online.

## Refund by semester

Please note that if you cancel your enrollment after the refund period, you will be required to pay the tuition and fees charges.

### Fall and spring

For regular semester classes (session C) and sessions that are eight weeks or longer, the 100 percent refund period extends through the first two weeks of the semester.

For sessions that are shorter than eight weeks (sessions A and B) and dynamically dated classes, the 100 percent refund period is one week after the semester begins.

For classes that begin prior to the first day of the regular semester, the applicable 100 percent refund period begins on the class start date, not the semester start date.

### Summer

For the summer session classes (sessions A, B and C, and dynamically dated classes), the 100 percent refund period is the first five days of the applicable summer session.

For classes that begin prior to the first day of the regular semester, the applicable 100 percent refund period begins on the class start date, not the semester start date.

## Medical or compassionate withdrawal

The tuition refund policy does not apply to medical and compassionate withdrawals. Partial tuition adjustments or nonrefundable credits may be granted in these cases. Each request will be determined by individual circumstances on a case-by-case basis, and is an option only if approved within two years of the end of the semester. For specific semester or session deadlines, please refer to Tuition Dates and Deadlines [2].

**Source URL:** https://tuition.asu.edu/billing-finances/tuition-refund

**Links:**
[1] https://tuition.asu.edu/financial-aid/disbursement
[2] https://tuition.asu.edu/billing-finances/deadlines

# Tuition assistance return policy

ASU recognizes that active duty members may not always be able to complete their classes, due to unforeseen military commitments. Department of Defense (DoD) policy requires a return of TA funds, when a class is withdrawn, prior to completing at least 60% of the course. Returns of tuition assistance are prorated based on the percentage of completed class time, as noted in the schedules below. Students will be responsible for reimbursing ASU for the amount of TA that ASU refunds to the DoD.

For additional questions, please contact sponsorbilling@asu.edu [1] or call 855-278-5080 and ask to be connected to a Sponsored Billing Specialist.

| **Fall/spring session A and B** | | |
|---|---|---|
| | % Completed | % Refunded to DOD |
| **Week 1** | 0%-15% | 100% |
| **Week 2** | 30% | 80% |
| **Week 3** | 45% | 65% |
| **Week 4** | 55% | 45% |
| **Week 5 - 7** | 60% and above | 0% |

| **Fall/spring session C** | | |
|---|---|---|
| | % Completed | % Refunded to DOD |
| **Week 1-2** | 0%-15% | 100% |
| **Week 3** | 20% | 85% |
| **Week 4** | 30% | 80% |
| **Week 5** | 35% | 70% |
| **Week 6** | 45% | 65% |
| **Week 7** | 50% | 50% |
| **Week 8** | 55% | 45% |
| **Week 9-14** | 60% and above | 0% |

| Summer session A and B | | |
|---|---|---|
| | % Completed | % Refunded to DOD |
| **Week 1** | 0%-15% | 100% |
| **Week 2** | 30% | 80% |
| **Week 3** | 50% | 50% |
| **Week 4-6** | 60% and above | 0% |

| Summer session C | | |
|---|---|---|
| | % Completed | % Refunded to DOD |
| **Week 1** | 0%-15% | 100% |
| **Week 2** | 25% | 90% |
| **Week 3** | 40% | 75% |
| **Week 4** | 50% | 50% |
| **Week 5-8** | 60% and above | 0% |

**Source URL:** https://veterans.asu.edu/tuition-assistance-return-policy

**Links:**
[1] mailto:sponsorbilling@asu.edu

## Veteran's affairs funds

### Financial aid refund policy for students using Chapter 31 and Chapter 33 VA benefits

Students electing to use VA educational benefits at ASU under Veteran Readiness and Employment (Chapter 31) or the Post-9/11 GI Bill® (Chapter 33) must first establish their benefits eligibility, then verify their intent each semester. In accordance with 38 U.S.C 3679 (e), students who successfully establish their eligibility and elect to use benefits in any given semester are automatically given a tuition deferment that will prevent any late fees or penalties from being incurred during that semester. The deferred tuition due dates are as follows:

- Fall Semesters – December 25
- Spring Semesters – May 25
- Summer Semesters – September 25

Additionally, Chapter 31 and Chapter 33 students who have accepted financial aid may elect to receive a credit for the anticipated amount of their VA benefit towards tuition. This credit will allow any excess financial aid to disburse in advance of the VA's actual payment to the school. Students should understand that ASU's "anticipated VA payment" is an estimate, and that settling their student account balances can only take place once all VA payments for the semester are received. It will be the student's responsibility to return any money that had been refunded in excess. For more information on the steps required, please contact the Pat Tillman Veterans Center at 480-965-7723 or PTVC@asu.edu [1]. For questions about your individual student account, please contact Student Business Services at 855-278-5080 or SBS@asu.edu [2].

**Source URL:** https://students.asu.edu/veterans-affairs-funds

**Link:**
[1] mailto:PTVC@asu.edu
[2] mailto:SBS@asu.edu
[3] https://students.asu.edu/taxonomy/term/244

# Tuition and fees schedules

All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees [1] as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

**Source URL:** https://catalog.asu.edu/tuitionandfees

**Links:**
[1] https://tuition.asu.edu/cost/tuition-fees

## Fall 2023 tuition and fees schedules

All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2023-2024. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

### Per semester tuition and fees - fall 2023

#### General tuition and fees

[Archivist's note: dropdown tool not able to be archived; see individual items below]

#### Program-specific tuition and fees

Certain Graduate and Undergraduate programs charge program-specific tuition. Use the ASU Tuition and Cost of Attendance Estimator [1] to review program-specific tuition and fees.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fees_fall2023

**Links:**
[1] https://students.asu.edu/tuition

# General tuition & fees

## Resident undergraduate degree program and nondegree-seeking
## All campuses

| UNDERGRADUATE COLLEGE FEE 1 [1, 2, 3]<br>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences | | | | | | | |
|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Resident undergraduate tuition** | $808 | $1,616 | $2,424 | $3,232 | $4,040 | $4,848 | $5,654 |
| **Undergraduate college fee 1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 |
| **Total resident undergraduate tuition and fees** | $994 | $1,802 | $2,610 | $3,418 | $4,226 | $5,034 | $6,026 |

| UNDERGRADUATE COLLEGE FEE 2 [1, 2, 3]<br>Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Global Futures and University College | | | | | | | |
|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Resident undergraduate tuition** | $808 | $1,616 | $2,424 | $3,232 | $4,040 | $4,848 | $5,654 |
| **Undergraduate college fee 2** | 16 | 32 | 48 | 64 | 80 | 96 | 115 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 |
| **Total resident undergraduate tuition and fees** | $1,010 | $1,834 | $2,658 | $3,482 | $4,306 | $5,130 | $6,141 |

| UNDERGRADUATE COLLEGE FEE 3 [1, 2, 3]<br>Includes: Health Solutions, and Nursing and Health Innovation [5] | | | | | | | |
|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Resident undergraduate tuition** | $808 | $1,616 | $2,424 | $3,232 | $4,040 | $4,848 | $5,654 |
| **Undergraduate college fee 3** | 58 | 116 | 174 | 232 | 290 | 348 | 405 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 |
| **Total resident undergraduate tuition and fees** | $1,052 | $1,918 | $2,784 | $3,650 | $4,516 | $5,382 | $6,431 |

| UNDERGRADUATE COLLEGE FEE 4 [1, 2, 3]<br>Includes: Journalism, Engineering [5], The College sciences, Design and the Arts, Thunderbird and Business | | | | | | | |
|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Resident undergraduate tuition** | $808 | $1,616 | $2,424 | $3,232 | $4,040 | $4,848 | $5,654 |
| **Undergraduate college fee 4** | 79 | 158 | 237 | 316 | 395 | 474 | 555 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 |
| **Total resident undergraduate tuition and fees** | $1,073 | $1,960 | $2,847 | $3,734 | $4,621 | $5,508 | $6,581 |

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is $162 per credit hour up to a maximum of $1,134 for enrollment in 7 or more credit hours. Students should see students.asu.edu/tuition-surcharge [1] for additional information regarding the Undergraduate Excess Hours Tuition.

[2] Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

[3] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[4] ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

[5] The Edson College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergraddegreeprogallcampusresident

**Links:**
[1] students.asu.edu/tuition-surcharge

## General tuition & fees

### Non-resident undergraduate degree program and nondegree-seeking
### All campuses

| **UNDERGRADUATE COLLEGE FEE 1** [1, 2, 3]<br>**Includes: Education, New College humanities and social sciences, CISA humanities and social sciences** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $1,310 | $2,620 | $3,930 | $5.240 | $6,550 | $7,860 | $9,170 | $10,480 | $11,790 | $13,100 | $14,410 | $15,725 |
| **Undergraduate college fee 1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total non-resident undergraduate tuition and fees** | $1,496 | $2,806 | $4,116 | $5,426 | $6,736 | $8,046 | $9,542 | $10,852 | $12,162 | $13,472 | $14,782 | $16,097 |

**UNDERGRADUATE COLLEGE FEE 2** [1, 2, 3]
**Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Global Futures and University College**

| | ENROLLED HOURS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $1,310 | $2,620 | $3,930 | $5,240 | $6,550 | $7,860 | $9,170 | $10,480 | $11,790 | $13,100 | $14,410 | $15,725 |
| **Undergraduate college fee 2** | 16 | 32 | 48 | 64 | 80 | 96 | 112 | 128 | 144 | 160 | 176 | 190 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total non-resident undergraduate tuition and fees** | $1,512 | $2,838 | $4,164 | $5,490 | $6,816 | $8,142 | $9,654 | $10,980 | $12,306 | $13,632 | $14,958 | $16,287 |

**UNDERGRADUATE COLLEGE FEE 3** [1, 2, 3]
**Includes: Health Solutions, and Nursing and Health Innovation** [5]

| | ENROLLED HOURS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $1,310 | $2,620 | $3,930 | $5,240 | $6,550 | $7,860 | $9,170 | $10,480 | $11,790 | $13,100 | $14,410 | $15,725 |
| **Undergraduate college fee 3** | 58 | 116 | 174 | 232 | 290 | 348 | 406 | 464 | 522 | 580 | 638 | 695 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total non-resident undergraduate tuition and fees** | $1,554 | $2,922 | $4,290 | $5,658 | $7,026 | $8,394 | $9,948 | $11,316 | $12,684 | $14,052 | $15,420 | $16,792 |

| UNDERGRADUATE COLLEGE FEE 4 [1, 2, 3]<br>Includes: Journalism, Engineering [5], The College Sciences, Design and the Arts, Thunderbird and Business | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $1,310 | $2,620 | $3,930 | $5,240 | $6,550 | $7,860 | $9,170 | $10,480 | $11,790 | $13,100 | $14,410 | $15,725 |
| **Undergraduate college fee 4** | 80 | 160 | 240 | 320 | 400 | 480 | 560 | 640 | 720 | 800 | 880 | 955 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total non-resident undergraduate tuition and fees** | $1,576 | $2,966 | $4,356 | $5,746 | $7,136 | $8,526 | $10,102 | $11,492 | $12,882 | $14,272 | $15,662 | $17,052 |

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is $262 per credit hour up to a maximum of $3,144 for enrollment in 12 or more credit hours. Students should see students.asu.edu/tuition-surcharge [1] for additional information regarding the Undergraduate Excess Hours Tuition.

[2] Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

[3] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[4] ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

[5] The Edson College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergraddegreeprogallcampusnonresident

**Links:**
[1] students.asu.edu/tuition-surcharge

# General tuition & fees

## International undergraduate degree program and nondegree-seeking
## All campuses

**UNDERGRADUATE COLLEGE FEE 1** [1, 2, 3]
**Includes: Education, New College humanities and social sciences, CISA humanities and social sciences**

| | ENROLLED HOURS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **International undergraduate tuition** | $1,433 | $2,866 | $4,299 | $5,732 | $7,165 | $8,598 | $10,031 | $11,464 | $12,897 | $14,330 | $15,763 | $17,199 |
| **Undergraduate college fee 1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total international undergraduate tuition and fees** | $1,619 | $3,052 | $4,485 | $5,918 | $7,351 | $8,784 | $10,403 | $11,836 | $13,269 | $14,702 | $16,135 | $17,571 |

**UNDERGRADUATE COLLEGE FEE 2** [1, 2, 3]
**Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Global Futures and University College**

| | ENROLLED HOURS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **International undergraduate tuition** | $1,433 | $2,866 | $4,299 | $5,732 | $7,165 | $8,598 | $10,031 | $11,464 | $12,897 | $14,330 | $15,763 | $17,199 |
| **Undergraduate college fee 2** | 16 | 32 | 48 | 64 | 80 | 96 | 112 | 128 | 144 | 160 | 176 | 190 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total international undergraduate tuition and fees** | $1,635 | $3,084 | $4,533 | $5,982 | $7,431 | $8,880 | 10,515 | $11,964 | $13,413 | $14,862 | $16,311 | $17,761 |

| **UNDERGRADUATE COLLEGE FEE 3** [1, 2, 3]<br>**Includes: Health Solutions, and Nursing and Health Innovation** [5] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **International undergraduate tuition** | $1,433 | $2,866 | $4,299 | $5,732 | $7,165 | $8,598 | $10,031 | $11,464 | $12,897 | $14,330 | $15,763 | $17,199 |
| **Undergraduate college fee 3** | 58 | 116 | 174 | 232 | 290 | 348 | 406 | 464 | 522 | 580 | 638 | 695 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total international undergraduate tuition and fees** | $1,677 | $3,168 | $4,659 | $6,150 | $7,641 | $9,132 | $10,809 | $12,300 | $13,791 | $15,282 | $16,773 | $18,266 |

| **UNDERGRADUATE COLLEGE FEE 4** [1, 2, 3]<br>**Includes: Journalism, Engineering** [5]**, The College sciences, Design and the Arts, Thunderbird and Business** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **International undergraduate tuition** | $1,433 | $2,866 | $4,299 | $5,732 | $7,165 | $8,598 | $10,031 | $11,464 | $12,897 | $14,330 | $15,763 | $17,199 |
| **Undergraduate college fee 4** | 80 | 160 | 240 | 320 | 400 | 480 | 560 | 640 | 720 | 800 | 880 | 955 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total international undergraduate tuition and fees** | $1,699 | $3,212 | $4,725 | $6,238 | $7,751 | $9,264 | $10,963 | $12,476 | $13,989 | $15,502 | $17,015 | $18,526 |

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is $262 per credit hour up to a maximum of $3,144 for enrollment in 12 or more credit hours. Students should see students.asu.edu/tuition-surcharge [1] for additional information regarding the Undergraduate Excess Hours Tuition.

(2) Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently proposed for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(5) The Edson College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering professional flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23international

**Links:**
[1] students.asu.edu/tuition-surcharge

## General tuition & fees

### Resident undergraduate online degree program
### *Online campus

| **UNDERGRADUATE COLLEGE FEE 1** (1, 2, 3, 4)<br>**Includes: Nursing BSN** (5) **and non-degree programs** | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Resident online undergraduate tuition** | $563 | $1,126 | $1,689 | $2,252 | $2,815 | $3,378 | $3,941 | $4,504 | $5,067 | $5,630 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 |
| **Undergraduate college fee 1** | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 |
| **Student-initiated fee** (6) | 29 | 29 | 29 | 29 | 29 | 29 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| **Total resident online undergraduate tuition and fees** | $612 | $1,195 | $1,778 | $2,361 | $2,944 | $3,527 | $4,138 | $4,721 | $5,304 | $5,887 | $5,931 | $5,951 | $5,971 | $5,991 | $6,011 | $6,031 | $6,051 | $6,071 |

**UNDERGRADUATE COLLEGE FEE 2** [1, 2, 3, 4]
**Includes: CISA humanities and social sciences, The College humanities and social sciences, Design and the Arts, and New College humanities and social sciences**

| | ENROLLED HOURS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Resident online undergraduate tuition** | $563 | $1,126 | $1,689 | $2,252 | $2,815 | $3,378 | $3,941 | $4,504 | $5,067 | $5,630 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 |
| **Undergraduate college fee 2** | 42 | 84 | 126 | 168 | 210 | 252 | 294 | 336 | 378 | 420 | 462 | 504 | 546 | 588 | 630 | 672 | 714 | 756 |
| **Student-initiated fee** [6] | 29 | 29 | 29 | 29 | 29 | 29 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| **Total resident online undergraduate tuition and fees** | $634 | $1,239 | $1,844 | $2,449 | $3,054 | $3,659 | $4,292 | $4,897 | $5,502 | $6,107 | $6,173 | $6,215 | $6,257 | $6,299 | $6,341 | $6,383 | $6,425 | $6,467 |

**UNDERGRADUATE COLLEGE FEE 3** [1, 2 ,3 ,4]
**Includes: CISA sciences, The College sciences, New College sciences, Education, Nursing and Health Innovation, Public Service and Community Solutions, and Global Futures**

| | ENROLLED HOURS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Resident online undergraduate tuition** | $563 | $1,126 | $1,689 | $2,252 | $2,815 | $3,378 | $3,941 | $4,504 | $5,067 | $5,630 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 |
| **Undergraduate college fee 3** | 62 | 124 | 186 | 248 | 310 | 372 | 434 | 496 | 558 | 620 | 682 | 744 | 806 | 868 | 930 | 992 | 1,054 | 1,116 |
| **Student-initiated fee** [6] | 29 | 29 | 29 | 29 | 29 | 29 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| **Total resident online undergraduate tuition and fees** | $654 | $1,279 | $1,904 | $2,529 | $3,154 | $3,779 | $4,432 | $5,057 | $5,682 | $6,307 | $6,393 | $6,455 | $6,517 | $6,579 | $6,641 | $6,703 | $6,765 | $6,827 |

| **UNDERGRADUATE COLLEGE FEE 4** [1, 2, 3, 4]<br>**Includes: Health Solutions, Journalism, Engineering, Thunderbird and Business** | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Resident online undergraduate tuition** | $563 | $1,126 | $1,689 | $2,252 | $2,815 | $3,378 | $3,941 | $4,504 | $5,067 | $5,630 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 | $5,654 |
| **Undergraduate college fee 4** | 122 | 244 | 366 | 488 | 610 | 732 | 854 | 976 | 1,098 | 1,220 | 1,342 | 1,464 | 1,586 | 1,708 | 1,830 | 1,952 | 2,074 | 2,196 |
| **Student-initiated fee** [6] | 29 | 29 | 29 | 29 | 29 | 29 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| **Total resident online undergraduate tuition and fees** | $714 | $1,399 | $2,084 | $2,769 | $3,454 | $4,139 | $4,852 | $5,537 | $6,222 | $6,907 | $7,053 | $7,175 | $7,297 | $7,419 | $7,541 | $7,663 | $7,785 | $7,907 |

[1] Effective fall 2018, online tuition for resident students will be capped at 10 credit hours.

[2] Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

[3] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For online students, the excess hours tuition is $113 per credit hour up to a maximum of $1,356 for enrollment in 12 or more hours. Students should see Undergraduate Excess Hours [1] for additional information.

[4] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[5] The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

[6] ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

**Source URL:** https://catalog.asu.edu/tuitionandfees/Fall23UndergradOnlineResident

**Links:**
[1] https://tuition.asu.edu/tuition-surcharge

# General tuition & fees

## Non-resident undergraduate online degree program
## *Online campus

| UNDERGRADUATE COLLEGE FEE 1 [1, 2, 3, 4]<br>Includes: Nursing BSN [5] and non-degree programs | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Non-resident online undergraduate tuition** | $563 | $1,126 | $1,689 | $2,252 | $2,815 | $3,378 | $3,941 | $4,504 | $5,067 | $5,630 | $6,193 | $6,756 | $7,319 | $7,882 | $8,445 | $9,008 | $9,571 | $10,134 |
| **Undergraduate college fee 1** | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 |
| **Student-initiated fee [6]** | 29 | 29 | 29 | 29 | 29 | 29 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| **Total non-resident online undergraduate tuition and fees** | $612 | $1,195 | $1,778 | $2,361 | $2,944 | $3,527 | $4,138 | $4,721 | $5,304 | $5,887 | $6,470 | $7,053 | $7,636 | $8,219 | $8,802 | $9,385 | $9,968 | $10,551 |

**UNDERGRADUATE COLLEGE FEE 2** [1, 2, 3, 4]
**Includes: CISA humanities and social sciences, The College humanities and social sciences, Design and the Arts, New College humanities and social sciences**

| | ENROLLED HOURS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Non-resident online undergraduate tuition** | $563 | $1,126 | $1,689 | $2,252 | $2,815 | $3,378 | $3,941 | $4,504 | $5,067 | $5,630 | $6,193 | $6,756 | $7,319 | $7,882 | $8,445 | $9,008 | $9,571 | $10,134 |
| **Undergraduate college fee 2** | 42 | 84 | 126 | 168 | 210 | 252 | 294 | 336 | 378 | 420 | 462 | 504 | 546 | 588 | 630 | 672 | 714 | 756 |
| **Student-initiated fee** [6] | 29 | 29 | 29 | 29 | 29 | 29 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| **Total non-resident online undergraduate tuition and fees** | $634 | $1,239 | $1,844 | $2,449 | $3,054 | $3,659 | $4,292 | $4,897 | $5,502 | $6,107 | $6,712 | $7,317 | $7,922 | $8,527 | $9,132 | $9,737 | $10,342 | $10,947 |

**UNDERGRADUATE COLLEGE FEE 3** [1, 2, 3, 4]
**Includes: CISA sciences, The College sciences, New College sciences, Education, Nursing and Health Innovation, Public Service and Community Solutions, and Global Futures**

| | ENROLLED HOURS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Non-resident online undergraduate tuition** | $563 | $1,126 | $1,689 | $2,252 | $2,815 | $3,378 | $3,941 | $4,504 | $5,067 | $5,630 | $6,193 | $6,756 | $7,319 | $7,882 | $8,445 | $9,008 | $9,571 | $10,134 |
| **Undergraduate college fee 3** | 62 | 124 | 186 | 248 | 310 | 372 | 434 | 496 | 558 | 620 | 682 | 744 | 806 | 868 | 930 | 992 | 1,054 | 1,116 |
| **Student-initiated fee** [6] | 29 | 29 | 29 | 29 | 29 | 29 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| **Total non-resident online undergraduate tuition and fees** | $654 | $1,279 | $1,904 | $2,529 | $3,154 | $3,779 | $4,432 | $5,057 | $5,682 | $6,307 | $6,932 | $7,557 | $8,182 | $8,807 | $9,432 | $10,057 | $10,682 | $11,307 |

| **UNDERGRADUATE COLLEGE FEE 4** [1, 2, 3, 4]<br>**Includes: Health Solutions, Journalism, Engineering, Thunderbird and Business** | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Non-resident online undergraduate tuition** | $563 | $1,126 | $1,689 | $2,252 | $2,815 | $3,378 | $3,941 | $4,504 | $5,067 | $5,630 | $6,193 | $6,756 | $7,319 | $7,882 | $8,445 | $9,008 | $9,571 | $10,134 |
| **Undergraduate college fee 4** | 122 | 244 | 366 | 488 | 610 | 732 | 854 | 976 | 1,098 | 1,220 | 1,342 | 1,464 | 1,586 | 1,708 | 1,830 | 1,952 | 2,074 | 2,196 |
| **Student-initiated fee** [6] | 29 | 29 | 29 | 29 | 29 | 29 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| **Total non-resident online undergraduate tuition and fees** | $714 | $1,399 | $2,084 | $2,769 | $3,454 | $4,139 | $4,852 | $5,537 | $6,222 | $6,907 | $7,592 | $8,277 | $8,962 | $9,647 | $10,332 | $11,017 | $11,702 | $12,387 |

[1] Online tuition for non-resident students is billed per credit hour with no cap.

[2] Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

[3] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For online students, the excess hours tuition is $113 per credit hour up to a maximum of $1,356 for enrollment in 12 or more hours. Students should see Undergraduate Excess hours [1] for additional information.

[4] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[5] The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

[6] ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees is used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

**Source URL:** https://catalog.asu.edu/tuitionandfees/Fall23UndergradOnlineNonResident

**Links:**
[1] https://tuition.asu.edu/tuition-surcharge

# General tuition & fees

## Resident undergraduate degree program
## ASU at Lake Havasu

| UNDERGRADUATE COLLEGE FEE 1 [1, 2, 3]<br>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Resident undergraduate tuition** | $415 | $717 | $1,019 | $1,322 | $1,623 | $1,925 | $2,227 | $2,529 | $2,831 | $3,133 | $3,393 | $3,393 |
| **Undergraduate college fee 1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Student-initiated fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total resident undergraduate tuition and fees** | $462 | $764 | $1,066 | $1,369 | $1,670 | $1,972 | $2,319 | $2,621 | $2,923 | $3,225 | $3,485 | $3,485 |

| UNDERGRADUATE COLLEGE FEE 2 [1, 2, 3]<br>Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions,<br>Global Futures and University College | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Resident undergraduate tuition** | $415 | $717 | $1,019 | $1,322 | $1,623 | $1,925 | $2,227 | $2,529 | $2,831 | $3,133 | $3,393 | $3,393 |
| **Undergraduate college fee 2** | 16 | 32 | 48 | 64 | 80 | 96 | 115 | 115 | 115 | 115 | 115 | 115 |
| **Student-initiated fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total resident undergraduate tuition and fees** | $478 | $796 | $1,114 | $1,433 | $1,750 | $2,068 | $2,434 | $2,736 | $3,038 | $3,340 | $3,600 | $3,600 |

| **UNDERGRADUATE COLLEGE FEE 3** [1, 2, 3]<br>**Includes: Health Solutions, and Nursing and Health Innovation** [5] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Resident undergraduate tuition** | $415 | $717 | $1,019 | $1,322 | $1,623 | $1,925 | $2,227 | $2,529 | $2,831 | $3,133 | $3,393 | $3,393 |
| **Undergraduate college fee 3** | 58 | 116 | 174 | 232 | 290 | 348 | 405 | 405 | 405 | 405 | 405 | 405 |
| **Student-initiated fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total resident undergraduate tuition and fees** | $520 | $880 | $1,240 | $1,601 | $1,960 | $2,320 | $2,724 | 3,026 | $3,328 | $3,630 | $3,890 | $3,890 |

| **UNDERGRADUATE COLLEGE FEE 4** [1, 2, 3]<br>**Includes: Journalism, Engineering** [5]**, The College sciences, Design and the Arts, Thunderbird and Business** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Resident undergraduate tuition** | $415 | $717 | $1,019 | $1,322 | $1,623 | $1,925 | $2,227 | $2,529 | $2,831 | $3,133 | $3,393 | $3,393 |
| **Undergraduate college fee 4** | 79 | 158 | 237 | 316 | 395 | 474 | 555 | 555 | 555 | 555 | 555 | 555 |
| **Student-initiated fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total resident undergraduate tuition and fees** | $541 | $922 | $1,303 | $1,685 | $2,065 | $2,446 | $2,874 | $3,176 | $3,478 | $3,780 | $4,040 | $4,040 |

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is $162 per credit hour up to a maximum of $1,134 for enrollment in 7 or more credit hours. Students should see students.asu.edu/tuition-surcharge [1] for additional information regarding the Undergraduate Excess Hours Tuition.

[2] Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

[3] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2023-2024. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(5) The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergradLHCdegreeproresident

**Links:**
[1] students.asu.edu/tuition-surcharge

## General tuition & fees

### Non-resident undergraduate degree program
### ASU at Lake Havasu

| **UNDERGRADUATE COLLEGE FEE 1** (1, 2, 3)<br>**Includes: Education, New College humanities and social sciences, CISA humanities and social sciences** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $640 | $1,072 | $1,521 | $1,972 | $2,422 | $2,872 | $3,322 | $3,772 | $4,222 | $4,624 | $5,069 | $5,662 |
| **Undergraduate college fee 1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Student-initiated fee** (4) | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total non-resident undergraduate tuition and fees** | $687 | $1,119 | $1,568 | $2,019 | $2,469 | $2,919 | $3,414 | $3,864 | $4,314 | $4,716 | $5,161 | $5,754 |

**UNDERGRADUATE COLLEGE FEE 2** [1, 2, 3]
**Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions, Global Futures and University College**

| | ENROLLED HOURS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $640 | $1,072 | $1,521 | $1,972 | $2,422 | $2,872 | $3,322 | $3,772 | $4,222 | $4,624 | $5,069 | $5,662 |
| **Undergraduate college fee 2** | 16 | 32 | 48 | 64 | 80 | 96 | 112 | 128 | 144 | 160 | 176 | 190 |
| **Student-initiated fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total non-resident undergraduate tuition and fees** | $703 | $1,151 | $1,616 | $2,083 | $2,549 | $3,015 | $3,526 | $3,992 | $4,458 | $4,876 | $5,337 | $5,944 |

**UNDERGRADUATE COLLEGE FEE 3** [1, 2, 3]
**Includes: Health Solutions, and Nursing and Health Innovation** [5]

| | ENROLLED HOURS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $640 | $1,072 | $1,521 | $1,972 | $2,422 | $2,872 | $3,322 | $3,772 | $4,222 | $4,624 | $5,069 | $5,662 |
| **Undergraduate college fee 3** | 58 | 116 | 174 | 232 | 290 | 348 | 406 | 464 | 522 | 580 | 638 | 695 |
| **Student-initiated fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total non-resident undergraduate tuition and fees** | $745 | $1,235 | $1,742 | $2,251 | $2,759 | $3,267 | $3,820 | $4,328 | $4,836 | $5,296 | $5,799 | $6,449 |

| **UNDERGRADUATE COLLEGE FEE 4** [1, 2, 3]<br>**Includes: Journalism, Engineering** [5]**, The College sciences, Design and the Arts, Thunderbird and Business** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $640 | $1,072 | $1,521 | $1,972 | $2,422 | $2,872 | $3,322 | $3,772 | $4,222 | $4,624 | $5,069 | $5,662 |
| **Undergraduate college fee 4** | 80 | 160 | 240 | 320 | 400 | 480 | 560 | 640 | 720 | 800 | 880 | 955 |
| **Student-initiated fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total non-resident undergraduate tuition and fees** | $767 | $1,279 | $1,808 | $2,339 | $2,869 | $3,399 | $3,974 | $4,504 | $5,034 | $5,516 | $6,041 | $6,709 |

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is $262 per credit hour up to a maximum of $3,144 for enrollment in 12 or more credit hours. Students should see students.asu.edu/tuition-surcharge [1] for additional information regarding the Undergraduate Excess Hours Tuition.

[2] Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

[3] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2023-2024. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[4] ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

[5] The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergradLHCdegreeprononresident

**Links:**
[1] https://students.asu.edu/tuition-surcharge

# General tuition & fees

## Resident undergraduate degree program
## Rural community college-based programs*

| UNDERGRADUATE COLLEGE FEE 1 (1, 2, 3)<br>Includes: Education, New College humanities and social sciences, CISA humanities and social sciences | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Resident undergraduate tuition** | $415 | $717 | $1,019 | $1,322 | $1,623 | $1,925 | $2,227 | $2,529 | $2,831 | $3,133 | $3,393 | $3,393 |
| **Undergraduate college fee 1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Student-initiated fee** (4) | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total resident undergraduate tuition and fees** | $462 | $764 | $1,066 | $1,369 | $1,670 | $1,972 | $2,319 | $2,621 | $2,923 | $3,225 | $3,485 | $3,485 |

| UNDERGRADUATE COLLEGE FEE 2 (1, 2, 3)<br>Includes: The College humanities and social sciences, New College sciences, CISA sciences, Public Service and Community Solutions,<br>and Global Futures | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Resident undergraduate tuition** | $415 | $717 | $1,019 | $1,322 | $1,623 | $1,925 | $2,227 | $2,529 | $2,831 | $3,133 | $3,393 | $3,393 |
| **Undergraduate college fee 2** | 16 | 32 | 48 | 64 | 80 | 96 | 115 | 115 | 115 | 115 | 115 | 115 |
| **Student-initiated fee** (4) | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total resident undergraduate tuition and fees** | $478 | $796 | $1,114 | $1,433 | $1,750 | $2,068 | $2,434 | $2,736 | $3,038 | $3,340 | $3,600 | $3,600 |

| UNDERGRADUATE COLLEGE FEE 3 [1, 2, 3]<br>Includes: Health Solutions, and Nursing and Health Innovation [5] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Resident undergraduate tuition** | $415 | $717 | $1,019 | $1,322 | $1,623 | $1,925 | $2,227 | $2,529 | $2,831 | $3,133 | $3,393 | $3,393 |
| **Undergraduate college fee 3** | 58 | 116 | 174 | 232 | 290 | 348 | 405 | 405 | 405 | 405 | 405 | 405 |
| **Student-initiated fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total resident undergraduate tuition and fees** | $520 | $880 | $1,240 | $1,601 | $1,960 | $2,320 | $2,724 | $3,026 | $3,328 | $3,630 | $3,890 | $3,890 |

| UNDERGRADUATE COLLEGE FEE 4 [1, 2, 3]<br>Includes: Journalism, Engineering, The College sciences, Design and the Arts, Thunderbird and Business | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Resident undergraduate tuition** | $415 | $717 | $1,019 | $1,322 | $1,623 | $1,925 | $2,227 | $2,529 | $2,831 | $3,133 | $3,393 | $3,393 |
| **Undergraduate college fee 4** | 79 | 158 | 237 | 316 | 395 | 474 | 555 | 555 | 555 | 555 | 555 | 555 |
| **Student-initiated fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total resident undergraduate tuition and fees** | $541 | $922 | $1,303 | $1,685 | $2,065 | $2,446 | $2,874 | $3,176 | $3,478 | $3,780 | $4,040 | $4,040 |

* The Rural Community College-based Program rate pertains to community college locations based outside Maricopa and Pima counties.

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is $162 per credit hour up to a maximum of $1,134 for enrollment in 7 or more credit hours. Students should see students.asu.edu/tuition-surcharge [1] for additional information regarding the Undergraduate Excess Hours Tuition.

(2) Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for 2023-2024. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student Initiated Fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(5) The Edson College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergradcommunitycollegebaseddegreepro

**Links:**
[1] students.asu.edu/tuition-surcharge

## General tuition & fees

### Undergraduate degree program
### The Polytechnic School, freshmen and sophomores*

| **UNDERGRADUATE COLLEGE FEE 4** (1, 2, 3)<br>**Includes: Engineering** (4) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **RESIDENT** | **ENROLLED HOURS** | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Resident undergraduate tuition** | $727 | $1,454 | $2,181 | $2,908 | $3,635 | $4,362 | $5,089 |
| **Undergraduate college fee 4** | 79 | 158 | 237 | 316 | 395 | 474 | 555 |
| **Student-initiated fee** (5) | 186 | 186 | 186 | 186 | 186 | 186 | 372 |
| **Total resident undergraduate tuition and fees** | $992 | $1,798 | $2,604 | $3,410 | $4,216 | $5,022 | $6,016 |

| **UNDERGRADUATE COLLEGE FEE 4** [1, 2, 3]<br>**Includes: Engineering** [4] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NON-RESIDENT** | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $1,179 | $2,358 | $3,537 | $4,716 | $5,895 | $7,074 | $8,253 | $9,432 | $10,611 | $11,790 | $12,969 | $14,153 |
| **Undergraduate college fee 4** | 80 | 160 | 240 | 320 | 400 | 480 | 560 | 640 | 720 | 800 | 880 | 955 |
| **Student-initiated fee** [5] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total non-resident undergraduate tuition and fees** | $1,445 | $2,704 | $3,963 | $5,222 | $6,481 | $7,740 | $9,185 | $10,444 | $11,703 | $12,962 | $14,221 | $15,480 |

| **UNDERGRADUATE COLLEGE FEE 4** [1, 2, 3]<br>**Includes: Engineering** [4] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **INTERNATIONAL** | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **International undergraduate tuition** | $1,290 | $2,580 | $3,870 | $5,160 | $6,450 | $7,740 | $9,030 | $10,320 | $11,610 | $12,900 | $14,190 | $15,480 |
| **Undergraduate college fee 4** | 80 | 160 | 240 | 320 | 400 | 480 | 560 | 640 | 720 | 800 | 880 | 955 |
| **Student-initiated fee** [5] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total international undergraduate tuition and fees** | $1,556 | $2,926 | $4,296 | $5,666 | $7,036 | $8,406 | $9,962 | $11,332 | $12,702 | $14,072 | $15,442 | $16,807 |

*Undergraduate Freshmen and Sophomores in The Polytechnic School are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.

(1) Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is $162 per credit hour up to a maximum of $1,134 for enrollment in 7 or more credit hours. Students should see students.asu.edu/tuition-surcharge [1] for additional information regarding the Undergraduate Excess Hours Tuition.

(2) Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering professional flight program, and the ASU-Draper University Entrepreneurship Incubator program will continue to maintain a separate program or class fee.

(5) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergradpolyugtsfreshsoph

**Links:**
[1] students.asu.edu/tuition-surcharge

## General tuition & fees

### Resident undergraduate degree program
### New College of Interdisciplinary Arts and Sciences
### Freshman & sophomores*

| **UNDERGRADUATE COLLEGE FEE 1** (1, 2, 3)<br>**Includes: New College humanities and social sciences** | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Resident undergraduate tuition** | $727 | $1,454 | $2,181 | $2,908 | $3,635 | $4,362 | $5,089 |
| **Undergraduate college fee 1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Student-initiated fee** (4) | 186 | 186 | 186 | 186 | 186 | 186 | 372 |
| **Total resident undergraduate tuition and fees** | $913 | $1,640 | $2,367 | $3,094 | $3,821 | $4,548 | $5,461 |

| **UNDERGRADUATE COLLEGE FEE 2** [1, 2, 3]<br>**Includes: New College sciences** | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Resident undergraduate tuition** | $727 | $1,454 | $2,181 | $2,908 | $3,635 | $4,362 | $5,089 |
| **Undergraduate college fee 2** | 16 | 32 | 48 | 64 | 80 | 96 | 115 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 |
| **Total resident undergraduate tuition and fees** | $929 | $1,672 | $2,415 | $3,158 | $3,901 | $4,644 | $5,576 |

*Undergraduate Freshmen and Sophomores in the New College of Interdisciplinary Arts and Sciences are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is $162 per credit hour up to a maximum of $1,134 for enrollment in 7 or more credit hours. Students should see students.asu.edu/tuition-surcharge for additional information regarding the Undergraduate Excess Hours Tuition.

[2] Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

[3] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[4] ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

[5] The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergradwestugasfrshsoph

**Links:**
[1] students.asu.edu/tuition-surcharge

# General tuition & fees

## Non-resident undergraduate degree program
## New College of Interdisciplinary Arts and Sciences
## Freshmen and sophomores*

| **UNDERGRADUATE COLLEGE FEE 1** [1, 2, 3]<br>**Includes: New College humanities and social sciences** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $1,179 | $2,358 | $3,537 | $4,716 | $5,895 | $7,074 | 8,253 | $9,432 | $10,611 | $11,790 | $12,969 | $14,153 |
| **Undergraduate college fee 1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total non-resident undergraduate tuition and fees** | $1,365 | $2,544 | $3,723 | $4,902 | $6,081 | $7,260 | $8,625 | $9,804 | $10,983 | $12,162 | 13,341 | $14,525 |

| **UNDERGRADUATE COLLEGE FEE 2** [1, 2 ,3]<br>**Includes: New College sciences** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-resident undergraduate tuition** | $1,179 | $2,358 | $3,537 | $4,716 | $5,895 | $7,074 | $8,253 | $9,432 | $10,611 | $11,790 | $12,969 | $14,153 |
| **Undergraduate college fee 2** | 16 | 32 | 48 | 64 | 80 | 96 | 112 | 128 | 144 | 160 | 176 | 190 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total non-resident undergraduate tuition and fees** | $1,381 | $2,576 | $3,771 | $4,966 | $6,161 | $7,356 | $8,737 | $9,932 | $11,127 | $12,322 | $13,517 | $14,715 |

*Undergraduate Freshmen and Sophomores in The New College of Interdisciplinary Arts and Sciences are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is $262 per credit hour up to a maximum of $3,144 for enrollment in 12 or more credit hours. Students should see students.asu.edu/tuition-surcharge for additional information regarding the Undergraduate Excess Hours Tuition.

[2] Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

[3] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[4] ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee, and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

[5] The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering Professional Flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergradwestugasfrshsophnonres

**Links:**
[1] students.asu.edu/tuition-surcharge

# General tuition & fees

## International undergraduate degree program
## New College of Interdisciplinary Arts and Sciences
## Freshmen and sophomores*

| **UNDERGRADUATE COLLEGE FEE 1** [1, 2, 3]<br>**Includes: New College humanities and social sciences** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **International undergraduate tuition** | $1,290 | $2,580 | $3,870 | $5,160 | $6,450 | $7,740 | $9,030 | $10,320 | $11,610 | $12,900 | $14,190 | $15,480 |
| **Undergraduate college fee 1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total international undergraduate tuition and fees** | $1,476 | $2,766 | $4,056 | $5,346 | $6,636 | $7,926 | $9,402 | $10,692 | $11,982 | $13,272 | $14,562 | $15,852 |

| UNDERGRADUATE COLLEGE FEE 2 [1, 2, 3]<br>Includes: New College sciences | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **International undergraduate tuition** | $1,290 | $2,580 | $3,870 | $5,160 | $6,450 | $7,740 | $9,030 | $10,320 | $11,610 | $12,900 | $14,190 | $15,480 |
| **Undergraduate college fee 2** | 16 | 32 | 48 | 64 | 80 | 96 | 112 | 128 | 144 | 160 | 176 | 190 |
| **Student-initiated fee** [4] | 186 | 186 | 186 | 186 | 186 | 186 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Total international undergraduate tuition and fees** | $1,492 | $2,798 | $4,104 | $5,410 | $6,716 | $8,022 | $9,514 | $10,820 | $12,126 | $13,432 | $14,738 | $16,042 |

*Undergraduate Freshmen and Sophomores in the New College of Interdisciplinary Arts and Sciences are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For non-resident students, the excess hours tuition is $262 per credit hour up to a maximum of $3,144 for enrollment in 12 or more credit hours. Students should see students.asu.edu/tuition-surcharge for additional information regarding the Undergraduate Excess Hours Tuition.

[2] Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

[3] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[4] ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

[5] The College of Nursing and Health Innovation post-bac BSN, the Ira A. Fulton Schools of Engineering professional flight program, and the ASU-Draper University Entrepreneurship Incubator Program will continue to maintain a separate program or class fee.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergradwestugasfrshsophintl

**Links:**
[1] students.asu.edu/tuition-surcharge

## General Tuition & Fees

### * Arizona resident undergraduate degree program and nondegree-seeking
### ASU California Center

| UNDERGRADUATE COLLEGE FEE 4 [1, 2, 3]<br>Includes: Herberger Institute for Design and the Arts | | | | | | | |
|---|---|---|---|---|---|---|---|
| **RESIDENT** | **ENROLLED HOURS** | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Arizona Resident Undergraduate Tuition *** | $808 | $1,616 | $2,424 | $3,232 | $4,040 | $4,848 | $5,654 |
| **Undergraduate College Fee 4** | 79 | 158 | 237 | 316 | 395 | 474 | 555 |
| **Student-initiated Fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 |
| **Total Resident Undergraduate Tuition and Fees** | $934 | $1,821 | $2,708 | $3,595 | $4,482 | $5,369 | $6,301 |

## General Tuition & Fees

### Non-resident undergraduate degree program and nondegree-seeking
### ASU California Center

| UNDERGRADUATE COLLEGE FEE 4 [1, 2, 3]<br>Includes: Herberger Institute for Design and the Arts | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NON-RESIDENT** | **ENROLLED HOURS** | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Non-Resident Undergraduate Tuition** | $1,042 | $2,084 | $3,126 | $4,168 | $5,210 | $6,252 | $7,294 | $8,336 | $9,378 | $10,420 | $11,462 | $12,500 |
| **Undergraduate College Fee 4** | 80 | 160 | 240 | 320 | 400 | 480 | 560 | 640 | 720 | 800 | 880 | 955 |
| **Student-initiated Fee** [4] | 47 | 47 | 47 | 47 | 47 | 47 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total Non-Resident Undergraduate Tuition and Fees** | $1,169 | $2,291 | $3,413 | $4,535 | $5,657 | $6,779 | $7,946 | $9,068 | $10,190 | $11,312 | $12,434 | $13,547 |

*The **resident** rate above pertains to Arizona residents. For additional information on residency classification requirements, students should refer to Residency for Tuition Purposes.

[1] Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students, the excess hours tuition is $162 per credit hour up to a maximum of $1,134 for enrollment in 7 or more credit hours. For non-resident students, the excess hours tuition is $262

per credit hour up to a maximum of $3,144 for enrollment in 12 or more credit hours. Students should see students.asu.edu/tuition-surcharge for additional information regarding the Undergraduate Excess Hours Tuition.

(2) Students admitted to Barrett, the Honors College are assessed a $1,000 honors fee each fall and spring semester in addition to the tuition and fees presented above.

(3) All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

(4) ASU's student government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services Facility fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23undergraddegreecalifornia

**Links:**
[1] https://students.asu.edu/residency
[2] https://students.asu.edu/tuition-surcharge

## General tuition & fees

### Graduate degree program
### All residencies

| **RESIDENT** (1) | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **ENROLLED HOURS** | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Graduate resident tuition** | $884 | $1,768 | $2,652 | $3,536 | $4,420 | $5,304 | $6,188 |
| **Student-initiated fee** (2) | 203 | 203 | 203 | 203 | 203 | 203 | 372 |
| **Graduate student support fee** (3) | 68 | 68 | 68 | 68 | 68 | 68 | 135 |
| **Total resident graduate tuition and fees** (4) | $1,155 | $2,039 | $2,923 | $3,807 | $4,691 | $5,575 | $6,695 |

| NON-RESIDENT [1] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Graduate non-resident tuition** | $1,429 | $2,858 | $4,287 | $5,716 | $7,145 | $8,574 | $10,003 | $11,432 | $12,861 | $14,290 | $15,719 | $17,145 |
| **Student-initiated fee** [2] | 203 | 203 | 203 | 203 | 203 | 203 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Graduate student support fee** [3] | 68 | 68 | 68 | 68 | 68 | 68 | 135 | 135 | 135 | 135 | 135 | 135 |
| **Total non-resident graduate tuition and fees** [4] | $1,700 | $3,129 | $4,558 | $5,987 | $7,416 | $8,845 | $10,510 | $11,939 | $13,368 | $14,797 | $16,226 | $17,652 |

| INTERNATIONAL [1] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Graduate international tuition** | $1,544 | $3,088 | $4,632 | $6,176 | $7,720 | $9,264 | $10,808 | $12,352 | $13,896 | $15,440 | $16,984 | $18,522 |
| **Student-initiated fee** [2] | 203 | 203 | 203 | 203 | 203 | 203 | 372 | 372 | 372 | 372 | 372 | 372 |
| **Graduate student support fee** [3] | 68 | 68 | 68 | 68 | 68 | 68 | 135 | 135 | 135 | 135 | 135 | 135 |
| **Total international graduate tuition and gees** [4] | $1,815 | $3,359 | $4,903 | $6,447 | $7,991 | $9,535 | $11,315 | $12,859 | $14,403 | $15,947 | $17,491 | $19,029 |

[1] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[2] ASU's government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services fee and Recreation fee. Funding

from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

(3) The Graduate Student Support fee helps fund resources and services that support graduate students, including technology resources and services, instructional and laboratory expenses in departments and schools, and graduate student services. Students enrolled in one continuing registration course credit will be charged a reduced rate of $50.00

(4) Certain graduate programs are assessed differential tuition or program fees, depending on the college or program. Use the Tuition and Cost of Attendance Estimator [1] to review program specific tuition and fees.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23graduate

**Links:**
[1] https://tuition.asu.edu/cost/tuition-estimator

## General tuition & fees

### Graduate degree program
### Online* campus

| RESIDENT | ENROLLED HOURS (1, 2, 4, 5) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Resident graduate online tuition** | $565 | $1,130 | $1,695 | $2,260 | $2,825 | $3,390 | $3,955 | $4,520 | $5,085 | $5,650 | $6,188 | $6,188 | $6,188 | $6,188 | $6,188 | $6,188 | $6,188 | $6,188 |
| **Student-initiated fee**(3) | 39 | 39 | 39 | 39 | 39 | 39 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| **Graduate student support fee** (6) | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
| **Total resident graduate online tuition & fees** (7) | $619 | $1,199 | $1,779 | $2,359 | $2,939 | $3,519 | $4,127 | $4,707 | $5,287 | $5,867 | $6,420 | $6,435 | $6,450 | $6,465 | $6,480 | $6,495 | $6,510 | $6,525 |

| NON-RESIDENT | ENROLLED HOURS (1, 2, 4, 5) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **Non-resident graduate online tuition** | $565 | $1,130 | $1,695 | $2,260 | $2,825 | $3,390 | $3,955 | $4,520 | $5,085 | $5,650 | $6,215 | $6,780 | $7,345 | $7,910 | $8,475 | $9,040 | $9,605 | $10,170 |
| **Student-initiated fee**(3) | 39 | 39 | 39 | 39 | 39 | 39 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Graduate student support fee** [6] | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
| **Total non-resident graduate online tuition & fees** [7] | $619 | $1,199 | $1,779 | $2,359 | $2,939 | $3,519 | $4,127 | $4,707 | $5,287 | $5,867 | $6,447 | $7,027 | $7,607 | $8,187 | $8,767 | $9,347 | $9,927 | $10,507 |

[1] Effective for fall 2018, online tuition for resident students will be capped at 11 credit hours; however, online tuition for non-resident students is billed per credit hour with no cap.

[2] Special Class fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search [1].

[3] The student initiated fee for graduate online students includes the Financial Aid Trust Fee and the Graduate & Professional Student Association (GPSA) Fee.

[4] Students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on the excess hours. For resident and non-resident students, the excess hours tuition rate is $113 per credit hour. Students should see students.asu.edu/tuition-surcharge [2] for additional information regarding the Undergraduate Excess Hours Tuition.

[5] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Students should note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[6] The Graduate Student Support fee helps fund resources and services that support graduate students, including technology resources and services, instructional expenses in departments and schools, and graduate student services.

[7] Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college or program. Students should use the Tuition and Cost of Attendance Estimator [3] to review program-specific tuition and fees.

*Graduate online programs with differential tuition [4] for use by Department of Defense students using tuition assistance.

**Source URL:** https://catalog.asu.edu/tuitionandfees/Fall23Grad-PostBaccOnline

**Links:**
[1] https://catalog.apps.asu.edu/catalog/classes
[2] students.asu.edu/tuition-surcharge
[3] https://students.asu.edu/tuition
[4] https://catalog.asu.edu/sites/default/files/2023-03/edplus_online_programs-_grad.xlsx

# General tuition & fees

## Graduate degree program
## ASU California Center, all residencies

| ARIZONA RESIDENT [1] | | | | | | | |
|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 & Over |
| **Graduate Arizona Resident Tuition *** | $808 | $1,616 | $2,424 | $3,232 | $4,040 | $4,848 | $5,654 |
| **Student-Initiated Fee** [2] | 64 | 64 | 64 | 64 | 64 | 64 | 92 |
| **Total Resident Graduate Tuition and Fees** [3] | $872 | $1,680 | $2,488 | $3,296 | $4,104 | $4,912 | $5,746 |

| NON-RESIDENT [1] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENROLLED HOURS | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 & Over |
| **Graduate Non-Resident Tuition** | $1,042 | $2,084 | $3,126 | $4,168 | $5,210 | $6,252 | $7,294 | $8,336 | $9,378 | $10,420 | $11,462 | $12,500 |
| **Student-Initiated Fee** [2] | 64 | 64 | 64 | 64 | 64 | 64 | 92 | 92 | 92 | 92 | 92 | 92 |
| **Total Non-Resident Graduate Tuition and Fees** [3] | $1,106 | $2,148 | $3,190 | $4,232 | $5,274 | $6,316 | $7,386 | $8,428 | $9,470 | $10,512 | $11,554 | $12,592 |

*The **resident** rate above pertains to Arizona residents. For additional information on residency classification requirements, students should refer to Residency for Tuition Purposes [1].

[1] All amounts shown in the Tuition and Fees Schedules or in other University publications or webpages represent tuition and fees as currently approved for the 2023-2024 academic year. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.

[2] ASU's government leaders, on behalf of the students they represent, have sought and received ABOR approval for the Health and Wellness fee, Student Athletics fee, Student Programs fee, Student Services fee and Recreation fee. Funding from these fees will be used to enrich the student experience. Included with the Student-initiated fee is the Financial Aid Trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund.

[3] Certain graduate programs are assessed differential tuition or program fees, depending on the college or program. Students should use the Tuition and Cost of Attendance Estimator [2] to review program specific tuition and fees.

**Source URL:** https://catalog.asu.edu/tuitionandfees/fall23graddegreecalifornia

**Links:**
[1] https://students.asu.edu/residency
[2] https://students.asu.edu/tuition

[Archivist note: The Fall 2023 Registration and Tuition Payment Guide is not yet published at the time of archive publication. It will be included in a later addendum.]

# Financial aid

## About financial aid

### You have lots of ways to pay for college

It's no secret that college is a major investment. But studies show that it's an investment that pays dividends. And the good news is, you have access to many forms of financial aid to help pay for it — you're not alone in this. Learn about the various types of financial aid, how to get them and everything else you need to know to get help paying for college.

Watch video: What type of aid is being offered? [1]

Watch video: Three things to know before classes start. [2]

### How do I get financial aid at ASU?

**Create an FSA ID**
Whether you're a student or parent, you'll need to create your own account on studentaid.gov [3] to complete federal student aid tasks. You'll use the same FSA ID every year.

**Fill out the free application for federal student aid**
You'll need your driver's license, bank statements, parent information and more. You can file yours beginning Oct. 1. ASU's Federal School Code is 001081. Complete the FAFSA form here [4].

**Review your Student Aid Report (SAR)**
This will be emailed to you from the Department of Education 3-4 days after your FAFSA has been processed.

**Look out for additional verification documents we need to process your FAFSA in My ASU**
Return the documents quickly so that we can continue to process your file without delays.

**Financial Aid and Scholarship Services will send you your financial aid offer letter**
Review your offer through the finances tab in My ASU. About five days before classes start, financial aid disbursement begins. Your scholarship and grant money will automatically be applied. You will need to accept loan offers before those funds are available. If you have any financial aid funds left over after paying your tuition and other charges, you'll receive a refund. The quickest way to get your refund is to enroll in direct deposit.

**Apply for scholarships**
After you submit the FAFSA, you can explore scholarships using the scholarship search tool [5]. Scholarships are gift aid — money for college that you don't have to repay. And there are tons of scholarships out there for all kinds of students based on region, interests, majors, goals and lots more. Apply for any and all that you qualify for no matter how small they may seem. They add up quickly.

**Enroll in direct deposit**
If you have any financial aid funds left over after paying your tuition and other charges, you'll receive a refund. The quickest (and safest) way to get your refund is to enroll in direct deposit [6].

**Maintain eligibility**
You'll need to maintain a certain GPA and complete relevant coursework in a certain timeframe. If you are a scholarship recipient, you'll need to meet renewal criteria [7].

**File a FAFSA every year**
You'll need to submit a new FAFSA every year you're in college to continue receiving federal financial aid.

## Frequently asked questions

**Who can get financial aid at ASU?**
Most ASU students qualify for some form of financial aid. To be eligible for most federal, state and ASU funding, you must:

- Meet eligibility requirements [8] set by the U.S. Department of Education.
- File a FAFSA for the current academic year.
- Be admitted as a degree-seeking student to a qualified undergraduate, post-baccalaureate, graduate or eligible certificate program. (For information about your particular certificate program, contact Financial Aid and Scholarship Services [9]). Some types of aid are restricted to certain degree levels and/or programs.
- Be registered with the Selective Service Administration [10], if required by law.
- Not be in default on any prior student loan.
- Not owe a repayment on any Title IV financial aid.
- Be making Satisfactory Academic Progress [11].
- Submit all requested documents and those documents must not be found to limit your eligibility.
- Enroll in ASU classes such that it allows for disbursement of your offered financial aid (see ASU's census policy).

**How much financial aid can I get?**
The amount of financial aid you're eligible to receive depends on lots of variables. Try ASU's Net Price Calculator [12] to get an idea of how much financial aid you might receive and what your total costs could look like.

### Scholarships

Scholarships provide free money that you apply for based on various criteria such as academic achievement, background, financial needs, interest and more.

Learn more [13]

### Grants

Grants provide students who have a demonstrated need, money that doesn't need to be paid back.

Learn more [14]

### Work-study

Federal Work-Study provides opportunities to work a part-time job.

Learn more [15]

### Loans

A loan provides money from the government or a private institution that you borrow for school and that you have to repay with interest.

Learn more [16]

## Important financial aid, scholarship and disbursement dates

**Oct 1**
**FAFSA opens**
The FAFSA opens for the following year. The earlier you submit, the more financial aid you're likely to get.

**Jan 15**
**FAFSA priority date for first-year on-campus students, Obama recipients and CAG recipients**
This is the FAFSA priority deadline, and Obama Scholarship and College Attainment Grant deadline. All documents must be completed and submitted by this date to maintain eligibility.

**Sept 15**
**Scholarship portal opens**

ASU's Scholarship portal opens and scholarship opportunities are available. Note that scholarship deadlines vary so start exploring and applying early.

**Note:** 10 days before the start of each semester — Financial aid funds begin to disburse and you can start paying your charges. Watch video: How does my financial aid pay for my charges? [17]

## Incoming on-campus students

**Incoming on-campus first-year and transfer students**
Connect with your admission team member [18].

**Incoming graduate students**
Connect with your admission team member [19].

**Incoming military/veteran students**
Connect with your Pat Tillman Veterans Center team member [20].

**Incoming international students**
Connect with your admission team member [20].

## Incoming ASU Online students

**Call us at**
1-855-278-5080

or visit the My ASU [22] Help tab to email a specific question.

## Current students

**Call us**
1-855-278-5080

**Email us**
Visit the My ASU [22] Help tab to email a specific question.

**Chat with us**
Launch a chat session [23]

**Source URL:** https://tuition.asu.edu/financial-aid

**Links:**
[1] https://www.loom.com/share/722c5b59e23243e08587fcba7e39e775
[2] https://www.loom.com/share/30a4b3c4e0dd42398691e4c619ee26c9
[3] https://studentaid.gov/fsa-id/create-account/launch
[4] https://studentaid.gov/h/apply-for-aid/fafsa
[5] https://scholarships.asu.edu/
[6] https://students.asu.edu/faq/how-do-i-enroll-student-account-direct-deposit
[7] https://dev-tuition-asu.ws.asu.edu/scholarship-renewal-guide
[8] https://studentaid.gov/understand-aid/eligibility/requirements
[9] https://tuition.asu.edu/contact-resources
[10] https://www.sss.gov/register/who-needs-to-register/
[11] https://tuition.asu.edu/satisfactory-academic-progress
[12] https://asu.studentaidcalculator.com/survey.aspx
[13] https://scholarships.asu.edu/
[14] https://tuition.asu.edu/financial-aid/grants
[15] https://students.asu.edu/employment/types
[16] https://tuition.asu.edu/financial-aid/loans
[17] https://www.loom.com/share/a585e6749cbb404b81f698a24763a7e6
[18] https://admission.asu.edu/contact/undergraduate
[19] https://admission.asu.edu/contact/graduate
[20] https://veterans.asu.edu/about-staff
[21] https://admission.asu.edu/contact

[22] https://my.asu.edu/
[23] https://webapp4.asu.edu/myasu/student/servicecenter

# FAFSA

## What is the FAFSA?

The Free Application for Federal Student Aid, or FAFSA, is an application you fill out annually to determine how much aid you're eligible for. The FAFSA will ask you things such as your family's income, tax information, and other financial information. The FAFSA opens every year on October 1.

## Why do I need to submit a FAFSA?

The FAFSA enables a partnership between you, ASU, and the Department of Education. When you submit a FAFSA, you ensure that you are being considered for the maximum amount of aid to help pay for college.

### You and your family

Your family needs it to know what college will cost once financial aid sources are factored in.

### The department of education

The federal government needs it to determine if you're eligible for federal Pell grants.

### Your college or university

ASU needs it to offer you need-based aid from the university.

## How do I submit my FAFSA?

To file your FAFSA, go to FAFSA.gov. You will need the following:

1. Bank statements and records if applicable
2. Alien registration number [1] (if you are not a U.S citizen)
3. Tax returns, W-2s and other records of money earned from the prior-prior tax year.
4. Your Social Security number.
5. Record of untaxed income (if applicable).
6. A FSA ID to sign your FAFSA electronically. (If you're a dependent, your parents will need to create one, too.)

### Which FAFSA do you need to file?

| School year | FAFSA year | Submission period |
|---|---|---|
| Fall 2022, Spring 2023 and Summer 2023 | 2022 - 2023 | Oct. 1, 2021 - June 30, 2023 |
| Fall 2023, Spring 2024 and Summer 2024 | 2023 - 2024 | Oct. 1, 2022 - June 30, 2024 |

Submit your FAFSA online [2]

**Tip:** Your FAFSA application will ask you things such as your family's income and how many people are in your family. These questions help determine how much aid you're eligible for. You have to submit a FAFSA every year because circumstances can change. But don't worry, it takes only about 30 minutes to fill out the FAFSA application and there are plenty of resources to help you. Start with this FAFSA guide [3].

Watch this instructional video on how to submit the FAFSA [7]

## Frequently asked questions

**What is ASU's FAFSA code?**
ASU's Federal School Code is 001081.

**Does my family earn too much for me to get financial aid through the FAFSA?**
There are no income requirements to be considered for federal student aid. Many factors beyond income are important to determine eligibility, so we recommend that all students complete a FAFSA to be considered for the maximum amount of aid

**Does FAFSA cover aid for graduate school?**
Yes, students can file a FAFSA to receive financial aid for graduate school. Graduate students are considered independent and do not have to report parent or guardian earnings to be eligible for federal student aid.

**Are international students eligible for funding through the FAFSA?**
Most international students are not eligible to receive federal student aid, but there are opportunities to find private aid, such as scholarships. The FAFSA is open to U.S. citizens or eligible noncitizens. [4]

**Should students who are impacted by Prop 308 complete the FAFSA application?**
Any student who wants to apply for financial aid and who can complete the FAFSA should complete the FAFSA. However, a student must have a Social Security number to complete a FAFSA application and some of the students who are impacted by Prop. 308 may not be eligible to complete the FAFSA. Students can visit ssa.gov/pubs/EN-05-10009.pdf [5] for more information on how to obtain an SSN.

## What happens after I submit my FAFSA?

We may need help confirming information on your FAFSA so you get the right financial aid. This is called 'verification,' and it's a common thing. If we need more information, you'll be contacted. We hit pause on processing your financial aid during this time but start up again after you've submitted the documents we need.

Verification FAQs [6]

## ASU FAFSA calendar and deadlines

**Oct 1**
**FAFSA opens**
The FAFSA opens for the following year. The earlier you submit, the more financial aid you're likely to get. Get started on yours as soon as possible.

**Jan 15**
**FAFSA priority date**
The FAFSA opens for the following year. The earlier you submit, the more financial aid you're likely to get. Get started on yours as soon as possible.

### Which FAFSA do you need to file?

| School year | FAFSA year | Submission period |
|---|---|---|
| Fall 2022, Spring 2023 and Summer 2023 | 2022 - 2023 | Oct. 1, 2021 - June 30, 2023 |
| Fall 2023, Spring 2024 and Summer 2024 | 2023 - 2024 | Oct. 1, 2022 - June 30, 2024 |

Submit your FAFSA online [8]

## Incoming on-campus students

**Incoming on-campus first-year and transfer students**
Connect with your admission team member [9].

**Incoming graduate students**
Connect with your admission team member [10].

**Incoming military/veteran students**
Connect with your Pat Tillman Veterans Center team member [11].

**Incoming International students**
Connect with your admission team member [12].

## Incoming ASU Online students

**Call us at**
1-855-278-5080

or visit the My ASU [13] Help tab to email a specific question.

## Current students

**Call us**
1-855-278-5080

**Email us**
Visit the My ASU [13] Help tab to email a specific question.

**Chat with us**

Launch a chat session [14]

**Source URL:** https://tuition.asu.edu/financial-aid/fafsa

**Links:**
[1] https://studentaid.gov/2122/help/alien-registration-number
[2] https://studentaid.gov/h/apply-for-aid/fafsa
[3] https://studentaid.gov/apply-for-aid/fafsa/filling-out
[4] https://studentaid.gov/understand-aid/eligibility/requirements/non-us-citizens
[5] https://www.ssa.gov/pubs/EN-05-10009.pdf
[6] https://tuition.asu.edu/financial-aid/verification
[7] https://youtu.be/9apxxQrx-WY
[8] https://studentaid.gov/h/apply-for-aid/fafsa
[9] https://admission.asu.edu/contact/undergraduate
[10] https://admission.asu.edu/contact/graduate
[11] https://veterans.asu.edu/about-staff
[12] https://admission.asu.edu/contact
[13] https://my.asu.edu/
[14] https://webapp4.asu.edu/myasu/student/servicecenter

# Scholarships

## Search scholarships. Apply today!

Search Scholarships [1]

## Investing the time to apply for scholarships can really pay off. Apply now!

### Scholarship search (ASU and non-ASU)

Scholarships aren't just for "A" students. There are opportunities based on talent, personal stories, creativity, and more. Apply now before deadlines start to hit.

Scholarship Search
(ASU and non-ASU) [1]

### New American University scholarship estimator

ASU awards scholarships to incoming first-year students with outstanding academic ability upon admission to ASU in the fall semester. Are you on target? Find out.

Scholarship Estimator [2]

### New American University scholarship renewal

Are you on point to renew your New American University scholarship? Make sure you review your renewal criteria to stay fully funded at ASU.

Scholarship Renewal [3]

### Financial assistance for AZ residents

ASU is committed to making college affordable for Arizona families. Learn about the programs Arizona residents may be eligible for.

Programs for AZ residents [4]

Military and Veteran financial assistance [5]
Foster Youth financial assistance [6]
American Indian Student Support Services [7]
College and Departmental Scholarships [8]

**Source URL:** https://scholarships.asu.edu/

**Links:**
[1] https://scholarships.asu.edu/scholarship-search
[2] https://scholarships.asu.edu/estimator
[3] https://students.asu.edu/scholarships/renewal
[4] https://students.asu.edu/financialaid/types/special
[5] https://veterans.asu.edu/scholarships
[6] https://fosteryouth.asu.edu/bridging-success
[7] https://universitycollege.asu.edu/student-support/aisss/resources/scholarships
[8] https://scholarships.asu.edu/colleges

# Student grants

## What is a grant for college students?

A grant is free money — you don't have to pay it back. The most common types of student grants come from federal, state and university resources.

### Eligibility

**Who can get a grant?**
Grants for college students are usually need-based — that is, if your family income is under a certain amount, then you may qualify. The purpose of a grant is to help you pay for college when you and your family might not otherwise be able to afford it.

### Process

**How do I get a grant?**
All grants require the student to file a FAFSA by the ASU priority filing date of January 15 each year and are awarded to students who are eligible for need-based aid. Completion of the FAFSA by the priority filing date of January 15 is recommended due to the funding limitations of some programs. Monitor your My ASU account and submit all documents promptly. Your financial aid file must be complete before grant eligibility is considered.

## Available grants for college

### Federal Pell Grant

**Who is it for?**
Undergraduate students with high financial need.

**Who offers it?**
The federal government.

**How much is it worth?**
Amounts can change yearly. The maximum Federal Pell Grant award is $6,895 for the 2022–23 award year (July 1, 2022, to June 30, 2023).

**How do I get it?**
File the FAFSA.

Learn more about Pell grants [1]

### Federal TEACH Grant

**Who is it for?**
Students who intend to teach in a public or private K-12 school that serves low-income students.

**Who offers it?**
The federal government.

**How much is it worth?**
Up to $4,000 per year.

**How do I get it?**
File a FAFSA and meet academic requirements. If you don't automatically qualify through your FAFSA, you can submit a TEACH Grant Request form [2] for further consideration.

Learn more about Federal TEACH Grants [3]

### Financial Aid Trust Grant

**Who is it for?**
Undergraduate students from Arizona or students from underrepresented populations with significant financial need. Limited funding is available and funds are not guaranteed each year.

**Who offers it?**
This is paid for through student fees and funding from the Arizona Legislature.

**How much is it worth?**
Up to $4,000 per year.

**How do I get it?**
File the FAFSA by Jan. 15.

### Federal Supplemental Educational Opportunity Grant

**Who is it for?**
Undergraduate students with significant financial need.

**Who offers it?**
The federal government.

**How much is it worth?**
Between $100 and $1,000 a year.

**How do I get it?**
Complete the FAFSA and receive a Pell grant for consideration.

**Source URL:** https://tuition.asu.edu/financial-aid/grants#carouselExampleControls

**Links:**
[1] https://tuition.asu.edu/financial-aid/grants/pell
[2] https://tuition.asu.edu/find-a-form/teach-request
[3] https://tuition.asu.edu/financial-aid/grants/teach

# Student loans

## What is a student loan?

A student loan is money that you borrow to pay for college with the condition that it be paid back over a certain period of time with interest. Students often use student loans when family contributions, scholarships and grants do not cover the total cost of attendance.

### How much should I take out?

We recommend borrowing only the amount you need. College is an investment in yourself and the responsible use of loans can be an important part of helping you attain a college education.

### How do I act on loans I've been offered?

To accept or decline loans, visit the Financial Aid and Scholarships box in My ASU to view your loan offers. You can select the amount you want to borrow, if any, and click accept or decline.

Watch video: How to accept or decline loans I've been offered [1]

## Types of loans

There are different types of loans for various situations. Click the cards below to learn about each one.

**Federal Student loans for undergraduates**
Learn more [2]

**Federal Parent PLUS loans**
Learn more [3]

**Federal Grad PLUS loans**
Learn more [4]

**Private loans**
Learn more [5]

**Emergency short-term loans**
Learn more [6]

## How to apply for a student loan

Your first step in getting a loan is to fill out the FAFSA [7]. The FAFSA will reveal how much money you are eligible to borrow in federal loans. You may also receive a loan from a private lender such as a bank. More on private loans here [5], but keep in mind that private loans almost always have a higher interest rate than federal loans, meaning you'll likely pay more over the life of the loan.

## Borrowing tips

- Consider how much you need before borrowing. Remember, all loans must be repaid with interest. Use a loan payment calculator to find out how much your monthly payment may be if you decide to accept loans.
- If you plan on graduating during the fall semester or plan on attending only one semester, check out ASU's One-Semester Financial Aid policy.
- Monitor your Direct Stafford Federal aggregate and annual loan limits. Once your limit is reached, you will not be eligible to receive any additional Federal Stafford Loans. If you exceed your loan limits, your award could be reduced or canceled after you've received the funds.

## Student loan FAQs

**How do I change the loan amount I accepted?**
If you have accepted a loan and would like to increase or decrease the loan amount you accepted, you can visit the student aid adjustment page to submit an aid adjustment form [8].

**How do I request more aid?**
If you would like to increase the loan amount you accepted, you can visit the student aid adjustment page to submit an aid adjustment form [8]. Select the aid type you would like to request more of, then select Increase. Then you can indicate how much you have already accepted, and how much you would like to increase your loan to. If you're not sure how much you've already accepted, you can find that in your Financial Aid and Scholarships box in My ASU. To see how much you're eligible for, view the chart on the student aid adjustment form, or visit the studentaid.gov loans page [9].

**Do I have to repay student loans?**
Yes, with interest. It's an investment in your future, and your earning potential will increase with a degree. That said, you only want to borrow what you need.

**What are ASU loan limits?**
**1st Year/freshman (0 - 24 credits)**
- **Dependent undergraduate student:**
  $5,500—No more than $3,500 of this amount may be in subsidized loans.
- **Independent undergraduate student*:**
  $9,500—No more than $3,500 of this amount may be in subsidized loans
- **Graduate/professional student:**
  $20,500†

**2nd Year/sophomore (25 - 55 credits)**
- **Dependent undergraduate student:**
  $6,500—No more than $4,500 of this amount may be in subsidized loans.

- **Independent undergraduate student*:**
  $10,500—No more than $4,500 of this amount may be in subsidized loans.
- **Graduate/professional student:**
  N/A

**3rd Year/junior, 4th Year/senior (56+ credits)**

- **Dependent undergraduate student:**
  $7,500—No more than $5,500 of this amount may be in subsidized loans.
- **Independent undergraduate student*:**
  $12,500—No more than $5,500 of this amount may be in subsidized loans.
- **Graduate/professional student:**
  N/A

**Maximum total debt from Federal Direct Subsidized and Unsubsidized Loans when you graduate (i.e., your aggregate loan limits)**

- **Dependent undergraduate student:**
  $31,000—No more than $23,000 of this amount may be in subsidized loans.
- **Independent undergraduate student*:**
  $57,500—No more than $23,000 of this amount may be in subsidized loans.
- **Graduate/professional student:**
  $138,500†

*Also applies to dependent undergraduate students whose parent was denied a PLUS loan and post-baccalaureate students.† As of the 2012-2013 academic year, subsidized loans are no longer awarded to.

For more information on student loan limits, visit the federal student loan limits page [10].

**How do student loans work?**
First, you should submit the FAFSA to learn how much you're eligible for in federal loans. Then decide how much of that you want to borrow. (Don't borrow any more than you need.) The interest rates are fixed as of the date you borrow and federal loan interest rates are typically significantly lower than private student loan interest rates. Once you decide whether you're going to accept or decline your loans, sign into My ASU and click "accept" or "decline" if it's a Federal Direct Subsidized or Unsubsidized loan.

**Do I need a parent or guardian to get loans?**
If you're a dependent student, you need your parents' information to submit the FAFSA and receive federal student loans. Private student loan requirements vary, so check with the lender.

**How do I pay back Federal Perkins Loans?**
ASU is your lender, and you'll repay ASU once your Perkins Loan moves to repayment status (typically nine months after graduation, withdrawal from school or dropping below half-time enrollment). Monthly payments depend on your loan amount and length of your repayment period. Payments can be made online. For complete details on repaying your Federal Perkins Loan, visit tuition.asu.edu/perkins-loan-repayment [11].

**Source URL:** https://tuition.asu.edu/financial-aid/loans

**Links:**
[1] https://www.loom.com/share/721032ea4c7e4245b93316ea32d40764
[2] https://tuition.asu.edu/financial-aid/loans/federal
[3] https://tuition.asu.edu/financial-aid/loans/parent-plus
[4] https://tuition.asu.edu/financial-aid/loans/grad-plus
[5] https://tuition.asu.edu/financial-aid/loans/private-loans
[6] https://tuition.asu.edu/financial-aid/loans/emergency-loans
[7] http://fafsa.gov/
[8] https://tuition.asu.edu/find-a-form/financial-aid-adjustment
[9] https://studentaid.gov/understand-aid/types/loans/subsidized-unsubsidized#how-much-can-i-borrow
[10] https://studentaid.gov/understand-aid/types/loans/subsidized-unsubsidized
[11] https://tuition.asu.edu/perkins-loan-repayment

# Student jobs

## Student jobs are more than just a paycheck

You may need to work in order to meet educational and living expenses or if you feel the experience could be a valuable part of your education. The skills you obtain from working complement your academic performance and communicate to future employers your ability to succeed in a professional setting.

Studies have shown that students who work do just as well or better academically than non-working students and grades improve as students work more hours per week (up to 20). In addition, working students are more likely to complete a degree program than non-workers.

Search for Student Jobs [1]

## Student jobs podcast

Planning to work during college? Emily and Ben are two of the 11,000 students who work for ASU and you can be too. Find out what their work experience at ASU has been like, and hear what they say is the best part about working for ASU.

Inside ASU - "Take this job and love it: Being a student worker at ASU." podcast episode [2].

## More information about student jobs

### Benefits to working in a student job

- Additional financial resources
- Acquire valuable work experience for your resume
- Reduce necessity for student loans
- Opportunity for networking with professionals
- Opportunity to sample different career choices
- Valuable and practical career-related experiences
- Exposure to the world of work
- Opportunity to enhance fundamental work skills
- Develop a sense of community and involvement with ASU

### Community service work-study jobs

Community Service FWS jobs are designed to engage a student in improving the quality of life for community residents, particularly low-income individuals, or to address issues such as: literacy training, social services, housing, neighborhood improvement, public safety, recreation, at-risk youth and community improvement. Find these rewarding positions by clicking on the advanced option and entering "Community Service FWS" in the Job Description text field when searching for jobs [1].

### Tips for completing a job application

Writing your Resume [3] | Strengthen your Interviewing Skills [3]

**Remember:** The job application is your first opportunity to make a good impression with a potential employer.

- The application provides the employer with specific information in a designated order. Never write "see resume" in any area of the application.
- Through the job application, the employer senses attitude, stability and motivation. It also reveals communicative skills. It should never be done illegibly, hastily or incompletely.
- Print or write neatly, or even better, type the information. Be sure to read the instructions on the application. Statements should be brief and concise.
- All questions must be answered; all sections must be completed. If it doesn't pertain to you, place a dash or N/A in that space.
- Know start/stop dates of your employment history, pay rates and your supervisors' name(s).
- Use action words to describe your responsibilities and accomplishments.
- It is a good idea to have a "dummy" application with history and references.

- Reasons for leaving: refrain from any negative statements. You want to present a positive picture of yourself. Use "further my education" or "interesting new job opportunity," etc.
- Salary: When the definite Pay Rate is unknown, write "open."
- References: Make sure you have correct addresses and phone numbers. Let your references know you list them and keep them informed.
- Additional remarks: Do not leave this area blank. Use this space constructively by inserting statements regarding your abilities, skills and reasons why you would be a desirable candidate for the position.
- If you have extensive experience in community service and volunteering, you may treat it as you would work experience. Keep in mind that this information provides a well-rounded profile of the type of person you are.

**Resume, cover letter & interview tips**

- The goal of the resume and cover letter is to attract sufficient attention to create an interview opportunity.
- The purpose of your interview is to evaluate your qualifications as they relate to specific job functions.

For helpful tips on these and other topics please review the tips on the Career Services Web site [3].

## Student employee responsibilities

You should consider your part-time position as an important job that can impact your future work experience. You are now part of the ASU work force and your department depends on you. The following are your responsibilities as a student employee at any ASU campus:

- To complete a new hire packet within 72 hours, if you have not worked for ASU during the last 12 months, and submit it to the Human Resources department located on your campus.
- To maintain enrollment necessary for student employment eligibility.
- To coordinate your work hours with your supervisor according to the department's needs and your own class and study schedule.
- To perform assigned duties promptly and competently.
- To be dependable and always report to work on time—excessive tardiness or absenteeism is grounds for disciplinary action.
- To arrive at the office prepared to work—refrain from studying or conducting personal business (phone/email) on the job.
- To refrain from having family or friends visit during scheduled work times.
- To attend all student staff meetings or training sessions unless you have a scheduled class or exam.
- To not work at your job during times you are scheduled to be in class.
- To observe policies on confidentiality for all University, department and student records, and information.
- To schedule your lunch and rest breaks in advance and get your supervisor's approval.
- To not eat or study during your scheduled shift, unless approved by your supervisor.
- To maintain appropriate dress and personal grooming.
- To notify your supervisor in advance if you will be absent from work—frequent absences are a justifiable cause for dismissal.
- US citizens or eligible non-citizens may not work more than an average of 25 hours a week (or 62.5 percent FTE) over a rolling twelve month period. This maximum applies to the combined total of all jobs, including hours associated with stipends paid for services. Graduate Assistants may work a total of 20 hours per week.
- To not work more than 20 hours per week during the academic semesters if you are an international student on a visa.
- To keep an accurate record of hours worked and submit correct payroll information to your supervisor by the stated deadlines.
- To inform your supervisor of any plans to end employment. The customary notification time period is two weeks.
- To stop your Hourly employment two weeks after your graduation from ASU, unless you are enrolled for the next semester.
- To stop your employment on your graduation day as an undergraduate international student.
- To stop your employment on your defense date, comprehensive exam date or whichever option you have for the completion of your degree program as a graduate international student.
- To stop your FWS employment on the last day of the spring semester or the day before the fall semester starts according to your FWS Notification specifying the term of your employment period.
- To stop your FWS employment on the day of your graduation from ASU.

## Student employee rights

The following rights are available to all student employees.

- The right to be treated fairly and respectfully by the University—ASU follows equal employment opportunity and affirmative action principles.
- The right to a safe, clean and professional working environment.
- The right to know your specific job description including your supervisor's standards and expectations.
- The right to adequate training in skills and procedures necessary to perform assigned tasks.
- The right to be informed about your work performance through verbal communication or performance evaluations.
- The right to use your campus job as a reference for future employers.
- The right to a grievance procedure for stating concerns related to the job and/or supervisor (see USI 304-12 [4]).
- The right to file a grievance with the AA/EO Office if you believe you have been sexually harassed or discriminated against on the job (see USI 304-03 [5] and USI 304-04 [6]).

## Standard wage scale

Student Employment offers a wide range of positions, which require different degrees of skill or experience. The student wage scale starts at $12.80/hour and pay rates should not exceed $50.00/hour. Four wage levels with different pay ranges have been provided below. Federal Work-Study and Hourly employment share the same wage levels and pay ranges. Wage placement must be in relation to the type of duties performed and in consideration of other student worker wage rates in similar jobs.

Note: Due to Kenexa implementation, we can no longer use Open Range Wage Levels, we must use Standard Wage Scales. Student pay rate amounts must stay within the student wage levels.

| Level | Pay Rate effective July 11, 2022 | | Job Level Descriptions |
|---|---|---|---|
| | Min | Max | |
| I | $12.80 | $13.49 | Duties are of a routine and simple nature; entry level. Requires direct supervision with relatively specific instructions. Little or no training or experience is required. |
| II | $12.98 | $14.77 | Duties are varied and less routine and involve a moderate degree of responsibility and judgment. May lead or coordinate activities of other student employees. Requires previous knowledge or skill and/or equivalent experience or training. |
| III | $13.82 | $17.33 | Duties are technical and complex and involve a high degree of responsibility and judgment. May supervise or direct activities of other student employees. A significant amount of specialized training or experience is required. |
| IV | $15.74 | $50.00 | Duties are highly technical and/or complex and involve a significant degree of responsibility and judgment. This classification is limited to teaching/research aide type work or those positions requiring highly specialized skills and/or technical knowledge. |

| Job Code Level | FY2024 Student Employment Standard Wage Scale<br>Effective July 10, 2023 | | Job Level Descriptions |
|---|---|---|---|
| | Min Pay Rate | Max Pay Rate | |
| I | $13.85 | $14.55 | Duties are of a routine and simple nature; entry level. Requires direct supervision with relatively specific instructions. Little or no training or experience is required. |
| II | $14.25 | $15.72 | Duties are varied and less routine and involve a moderate degree of responsibility and judgment. May lead or coordinate activities of other student employees. Requires previous knowledge or skill and/or equivalent experience or training. |
| III | $15.12 | $18.12 | Duties are technical and complex and involve a high degree of responsibility and judgment. May supervise or direct activities of other student employees. A significant amount of specialized training or experience is required. |
| IV | $16.90 | $50.00 | Duties are highly technical and/or complex and involve a significant degree of responsibility and judgment. This classification is limited to teaching/research aide type work or those positions requiring highly specialized skills and/or technical knowledge. |

**Exceptions**
The Student Wage Scale includes all student hourly positions. It is not applicable for Research/Teaching Assistant, Internship, Fellowship or Mentorship opportunities as those positions are overseen by the Graduate College in accordance with the appropriate recruitment policies and procedures.

## Federal work-study calculator

[Archivist Note: Work-Study Calculator unable to be archived]

## Mandatory student employee training courses

**UTO security training**
ASU is committed to preserving the confidentiality, integrity, and availability of University information resources. Our responsibility is in securing the information of students, faculty, and staff. Whether data is on your workstation, phone or tablet—the ASU community, and each of us in it, plays an important role in securely storing, sharing, and protecting electronic information. The course includes necessary information on how to protect both personal and ASU information, back up files, maintain your operating system, respond to incidents, and encrypt laptops, desktops and mobile devices.

To access the course, please visit ASU Information Security Training [7**]**

The course will take about 22 minutes to complete. It includes a presentation and a quiz. For those of you familiar with this material, you can go directly to the quiz. You must answer 12 of 15 quiz questions correctly to earn credit for the course and you may re-take the quiz if necessary. For questions or comments, please email utotraining@asu.edu [16].

**Preventing harassment and discrimination training**
This program is designed to increase awareness of ASU's policies regarding anti-harassment, non-discrimination, and non-retaliation. The program is also intended to educate the university community about what constitutes appropriate

behavior, and how to properly report concerns about inappropriate behavior. This training, which was developed by the Office of Diversity, Equity and Inclusion (ODEI) and the Office of General Counsel, **is mandatory for all student workers** in all academic and administrative units.

- The self-paced training includes an online module, quiz and resource guide with information and policies to review.
- You must score 80% or better on the required quiz at the end of the session to receive a certification of completion. You can retake the quiz if you do not receive a score of at least 80%.
- Your dean or director will be able to track your completion of the training via dashboard and routine reports that will be available for University administrators.
- Student workers must complete this training within 60 days of their hire date.
- If you experience any technical difficulty with the training, please call 1-855-278-5080.
- Questions? Contact equityandinclusion@asu.edu [8]
  To access the course, please visit Preventing harassment and discrimination [9]

**Fire prevention training**
To access or select from a range of Environmental Safety training topics, please visit Fire Safety and Prevention [10]

**Title IX and Your Duty to Report**
To access the course, please visit Title IX and Your Duty to Report [11]

## Contacting our office

**For full-time jobs or ASU Career link:** Please contact ASU Career Services at 480-965-2350, E-mail: careerservices@asu.edu [12]

**For internships:** Please contact ASU Career Services at 480-965-2350, Email: careerservices@asu.edu [12]

**For part-time jobs:** Please contact Student Employment at 480-965-5186, or use your My ASU Service Center to chat with us [13] or submit a case [13].

## Disclaimer

Arizona State University's Student Employment Office acts only as a referral service, advising individuals of employment opportunities submitted to the office. We make no recommendations or guarantees about the positions or employers listed through our office.

Arizona State University is not responsible for the safety, wages, working conditions, or other aspects of off-campus employment. Due to the volume of jobs received by the Student Employment Office, we are unable to research the integrity of every position listed. Therefore, students are urged to research positions and employers and conduct due diligence themselves. We encourage you to use common sense and caution when applying for positions, especially when applying for positions off-campus. Do not put yourself in a vulnerable situation. Carefully check any employer you are considering to be sure the job offered is legitimate. Watch the Federal Trade Commission's video on job scams [14]. Arizona State University assumes no responsibility for the positions or employers listed through the Student Employment Office. By using this service, you assume sole and full responsibility for researching and conducting due diligence regarding potential employers as well as any employment you obtain.

- Use common sense when applying for and engaging in off-campus employment. If a potential employer asks you to participate in an activity that makes you uncomfortable in any way, don't do it.
- Be wary of 'check cashing scams.' If someone asks you to deposit a check/money order into your personal account and send money to another individual, you should refuse and contact our office immediately.
- Please be aware that the Student Employment Office will list employment opportunities on this website only. We are unable to prevent other websites from copying our listings and reposting them elsewhere.

*Arizona State University does not discriminate on the basis of race, color, national origin, sex, sexual orientation, gender identity, disability, religion, age or veteran status in the University's services, educational programs, and activities, including, but not limited to, admission to and employment by the University. The Office of Equity & Inclusion has been designated to handle inquiries regarding the University's non-discrimination policies: Director, Office of Equity and Inclusion, 1100 E. University Dr. Building A, Tempe, Arizona 85287, Intercampus Mail Code 1304. For information generally about ASU's non-discrimination policies and procedures for filing complaints, visit the Office of Equity & Inclusion online [15]. Some deadlines for filing complaints are as short as 30 days.*

**Source URL:** https://students.asu.edu/employment

**Links:**
[1] https://students.asu.edu/employment/search
[2] https://insideasu.podbean.com/e/inside-asu-take-this-job-and-love-it-being-a-student-worker-at-asu/
[3] https://career.asu.edu/career-resources
[4] https://www.asu.edu/aad/manuals/usi/usi304-12.html
[5] https://www.asu.edu/aad/manuals/usi/usi304-03.html
[6] https://www.asu.edu/aad/manuals/usi/usi304-04.html
[7] https://getprotected.asu.edu/training/asu-information-security-training
[8] mailto:equityandinclusion@asu.edu
[9] https://asu.csod.com/ui/lms-learning-details/app/course/cf195b5d-7bdc-45f2-8a41-9cc1b41d91f5
[10] https://cfo.asu.edu/ehs-training
[11] https://cfo.asu.edu/OEI-training
[12] mailto:careerservices@asu.edu
[13] https://myasu.force.com/
[14] http://www.youtube.com/watch?v=A-4N9z21U7o
[15] https://cfo.asu.edu/equity-and-inclusion
[16] mailto:utotraining@asu.edu

# Financial aid disbursement

## How financial aid payments work

Any financial aid you receive from ASU is automatically applied to your charges before the semester begins. Any funds left over after your tuition and charges are paid can be paid back to you in the form of a financial aid refund. To make sure your aid disburses and you receive your refund, complete the steps below. If you're looking for information about a tuition refund — money you paid out of pocket that you get back when you drop a course or withdraw — visit the tuition refund page [1].

Watch video: How does my financial aid pay for my charges? [2]

Watch video: Three things to know before the first day of classes [3].

Watch video: When will I get my refund? [4]

Watch video: How is financial aid split between fall and spring semesters? [5]

### Make sure your financial aid file is complete

After you submit the FAFSA, you may need to submit additional documentation to help us confirm your financial eligibility. This is called "verification" and it's quite common. Check your Priority Tasks in My ASU [6] to see what, if any, verification items we may need.

Watch video: How to check Financing Tasks in My ASU [7].

### Enroll in direct deposit

By enrolling in direct deposit, any financial aid funds that remain after your charges have been paid will go directly into your bank account. Enroll in direct deposit by going to the Finances tab in My ASU [6] and clicking "Direct deposit enrollment."

Watch video: How to enroll in Direct Deposit [8]

### Know how your enrollment impacts your aid

Changes in your enrollment can affect your financial aid awards, as one of the factors in your cost of attendance is the number of credit hours you take. If you drop a class, your aid will be decreased to match your enrollment hours. Other changes may adjust your cost of attendance and consequently your aid, including campus and residency status. Learn more about aid adjustment [9].

## How to know if your financial aid file is complete

Your financial aid tracker is there to help you understand where you are in the financial aid process. Visit the Finances tab in My ASU to view yours.

Watch video: How to know your financial aid file is complete [10]

### When will my aid disburse?

Financial aid typically disburses about a week before the semester starts. Your financial aid tracker will show “in disbursement,” which means your aid is in the process of being applied to your account. Once disbursement is complete, you’ll see your account balance change to reflect that a payment has been made.

If you are offered loans, remember that you need to accept or decline them in My ASU in order for them to be disbursed.

Watch video: How do I accept my loans? [11]

Watch video: How do I change the amount of loans I accepted? [12]

### Where is my refund?

The money left over after your charges have been paid is called a refund or a stipend. This may be scholarship money you have left over after your charges have been paid, or money you borrowed to help cover books and living expenses. You will receive these leftover funds in the form of a check or by direct deposit a few days after your charges have been paid.

Watch video: When will I get my refund? [13]

## Frequently asked questions

**When will my aid disburse?**
Financial aid typically disburses about a week before the semester starts. Your financial aid tracker will say “disbursement is ready to begin,” which means your aid is in the process of being applied to your account. Once disbursement is complete, you’ll see your account balance change to reflect that a payment has been made.

**How do I manage my financial aid?**
It can be tempting to spend unwisely when you have extra money in your pocket after your charges are paid. Remember, loans need to be repaid with interest, and scholarship funds are intended to pay for housing, books and meals, and should be used for those things only.

**Why is financial wellness an important part of the financial aid process?**
Smart borrowing, establishing good credit and creating a realistic budget are skills that you need to be successful. No matter what you’re studying, this is a great time to start building your best money habits.

ASU partners with iGrad to offer students and alumni lifelong financial wellness skills through customized courses, articles and tools to help you make important financial decisions. From how to manage your first credit card to refinancing your home, investing in the stock market and saving for retirement — you’ll learn it all. Get started with iGrad now [14] and begin a healthy, lifelong relationship with money.

**What if I only need financial aid for one semester?**
If you are a graduating senior and only attending one semester, Financial Aid and Scholarship Services is required to reduce your financial cost of attendance for the academic year to reflect one semester costs. In most cases, a reduction of your cost of attendance will reduce your financial aid eligibility and result in a reduction of some of your awards (even if you have already accepted them). If you plan on attending one semester, please contact us or visit our office [15] to see how your aid will be affected.

**Important notes**

- You may not receive all of your fall/spring financial aid in the fall semester.
- You may not be considered a fall-only student if you are not graduating for the fall (i.e., you must apply for graduation [16] with the university).
- Your Federal Direct Subsidized and Unsubsidized Loans will prorate if you are an undergraduate or post-baccalaureate student (see below for details).
- If you were originally offered aid for the fall and spring semesters and do not end up attending the fall semester, your entire aid package may be canceled mid-fall. If you plan on attending the following spring semester, please make sure to accept your aid on My ASU [17] and enroll for the spring semester.

### Federal Direct Subsidized and Unsubsidized Loans

If you are an undergraduate or post-baccalaureate student, your Federal Direct Subsidized and Unsubsidized Loans must be prorated based on the number of credit hours for which you are enrolled. This means that you may not be eligible to receive your maximum annual loan limit. Your aid will be adjusted at the time of disbursement according to your enrolled credit hours.

**Source URL:** https://tuition.asu.edu/financial-aid/disbursement

**Links:**
[1] https://tuition.asu.edu/billing-finances/tuition-refund
[2] https://www.loom.com/share/a585e6749cbb404b81f698a24763a7e6
[3] https://www.loom.com/share/30a4b3c4e0dd42398691e4c619ee26c9
[4] https://www.loom.com/share/5ea7dea9e73947d4b7a17476b97442b0
[5] https://www.loom.com/share/3c5211fbfa6e4932a1268603c8be6eea
[6] https://my.asu.edu/
[7] https://www.loom.com/share/4b85547668524ecca4544272cb1820aa
[8] https://www.loom.com/share/1c4c6a7cd72d440095a80b20211898d1
[9] https://tuition.asu.edu/financial-aid/maintaining-aid
[10] https://www.loom.com/share/5d136c66a6ce491ca19d4f7906690d98
[11] https://www.loom.com/share/721032ea4c7e4245b93316ea32d40764
[12] https://www.loom.com/share/81967dd20d8148af91758317025ab5ed
[13] https://www.loom.com/share/5ea7dea9e73947d4b7a17476b97442b0
[14] https://www.igrad.com/
[15] https://tuition.asu.edu/contact-resources
[16] https://students.asu.edu/graduation#how
[17] https://my.asu.edu/financialaid

# Maintaining your aid

## How your aid may be impacted

The amount of aid you receive may go up or down depending on a variety of factors, including the number of hours you're enrolled in, whether or not you participate in your courses, and whether you are making satisfactory progress toward your degree. For example, if you drop a class and your cost of attendance goes down, your aid may go down to match it. If you add a class, it may go up. Similarly, if you do not participate in classes you receive aid for, or you do not meet standards for making progress toward your degree, your aid may be reduced or canceled.

Watch video: Why did my financial aid change? [1]

## Earn your aid

It's important that you participate in classes to earn your financial aid. If you do not participate in the classes you're enrolled in, your aid can be reduced or canceled altogether. You will need to show participation in your courses by the 21st day after the course start date. If your participation is not confirmed by the 21st day of class, your aid may be reduced or canceled, and you may be required to pay for charges without aid. For more information on earning your aid, and to learn which activities count as participation, visit here [2].

Watch video: About confirmation of participation [3]

## Maintain enrollment

Your cost of attendance and your awards are based on a number of factors, including the number of credit hours you are enrolled in for the term as well as your session enrollment.

Watch video: How many credits do I need to be enrolled in to keep my financial aid? [4]

*These are examples and may not reflect your actual costs and awards.

### Full-time online nonresident undergrad - fall/spring

| | A classes only | B classes only | A and B classes |
|---|---|---|---|
| **COA** | | | |
| **Tuition** | $6,492 | $6,492 | $6,492 |
| **Fees** | $294 | $294 | $294 |
| **Books** | $500 | $500 | $500 |
| **Supplies** | $150 | $150 | $150 |
| **Room** | $1,682 | $1,682 | $3,364 |
| **Meals** | $812 | $812 | $1,623 |
| **Transportation** | $590 | $590 | $1,179 |
| **Personal** | $496 | $496 | $991 |
| **Total** | $11,016 | $11,016 | $14,593 |
| **Awards** | | | |
| **Pell** | $3,173 | $3,173 | $3,173 |
| **SEOG** | $500 | $500 | $500 |
| **University grant** | $1,500 | $1,500 | $1,500 |
| **Sub loan** | $2,750 | $2,750 | $2,750 |

| | | | |
|---|---|---|---|
| **Unsub loan** | $3,093 | $3,093 | $3,500 |
| **Total** | $11,016 | $11,016 | $11,423 |

| | **A classes only** | **B classes only** | **A and B classes** |
|---|---|---|---|
| **COA total** | $11,016 | $11,016 | $14,593 |
| **Award total** | $11,016 | $11,016 | $11,423 |

## Half-time online nonresident undergrad - fall/spring

| | **A classes only** | **B classes only** | **A and B classes** |
|---|---|---|---|
| **COA** | | | |
| **Tuition** | $3,246 | $3,246 | $3,246 |
| **Fees** | $147 | $147 | $147 |
| **Books** | $250 | $250 | $250 |
| **Supplies** | $75 | $75 | $75 |
| **Room** | $1,682 | $1,682 | $3,364 |
| **Meals** | $812 | $812 | $1,623 |
| **Transportation** | $590 | $590 | $1,179 |

| | | | |
|---|---|---|---|
| **Personal** | $496 | $496 | $991 |
| **Total** | $7,298 | $7,298 | $10,875 |
| **Awards** | | | |
| **Pell** | $1,587 | $1,587 | $1,587 |
| **SEOG** | $250 | $250 | $250 |
| **University grant** | $750 | $750 | $750 |
| **Sub loan** | $2,750 | $2,750 | $2,750 |
| **Unsub loan** | $1,961 | $1,961 | $3,500 |
| **Total** | $7,298 | $7,298 | $8,837 |

| | **A classes only** | **B classes only** | **A and B classes** |
|---|---|---|---|
| **COA total** | $7,298 | $7,298 | $10,875 |
| **Award total** | $7,298 | $7,298 | $8,837 |

## Full-time online graduate - fall/spring

| | A classes only | B classes only | A and B classes |
|---|---|---|---|
| **COA** | | | |
| **Tuition** | $4,887 | $4,887 | $4,887 |
| **Fees** | $104 | $104 | $104 |
| **Books** | $314 | $314 | $500 |
| **Supplies** | $213 | $213 | $150 |
| **Room** | $2,179 | $2,179 | $4,357 |
| **Meals** | $862 | $862 | $1,724 |
| **Transportation** | $795 | $795 | $1,590 |
| **Personal** | $907 | $907 | $1,814 |
| **Total** | $10,261 | $10,261 | $15,126 |
| **Awards** | | | |
| **Unsub loan** | $10,250 | $10,250 | $10,250 |

| | | | |
|---|---|---|---|
| **Graduate PLUS Loan** | $11 | $11 | $4,876 |
| **Total** | $10,261 | $10,261 | $15,126 |

| | **A classes only** | **B classes only** | **A and B classes** |
|---|---|---|---|
| **COA total** | $10,261 | $10,261 | $15,126 |
| **Award total** | $10,261 | $10,261 | $15,126 |

## Half-time online graduate - fall/spring

| | **A classes only** | **B classes only** | **A and B classes** |
|---|---|---|---|
| **COA** | | | |
| **Tuition** | $3,258 | $3,258 | $3,258 |
| **Fees** | $57 | $57 | $57 |
| **Books** | $209 | $209 | $209 |
| **Supplies** | $142 | $142 | $142 |
| **Room** | $2,179 | $2,179 | $4,357 |

| | | | |
|---|---|---|---|
| **Meals** | $862 | $862 | $1,724 |
| **Transportation** | $795 | $795 | $1,590 |
| **Personal** | $907 | $907 | $1,814 |
| **Total** | $8,409 | $8,409 | $13,151 |
| **Awards** | | | |
| **Unsub loan** | $8,409 | $8,409 | $10,250 |
| **Graduate PLUS loan** | $0 | $0 | $2,901 |
| **Total** | $8,409 | $8,409 | $13,151 |

| | **A classes only** | **B classes only** | **A and B classes** |
|---|---|---|---|
| **COA total** | $8,409 | $8,409 | $13,151 |
| **Award total** | $8,409 | $8,409 | $13,151 |

## Withdrawing as a financial aid recipient

If you don’t finish your classes as scheduled, your financial aid could be recalculated or canceled. Learn about the various ways your aid can be affected by not completing a class [5].

## Satisfactory academic progress

To remain eligible for federal financial aid, you must make satisfactory academic progress as a student, meaning you need to complete classes in a timely manner and earn grades high enough to demonstrate that you are successfully working toward your degree.

Watch video: What is SAP? [6]

If you don’t meet SAP standards, your aid may be adjusted. Arizona State University measures satisfactory academic progress yearly after the spring semester using three metrics:

### GPA standard

You must maintain a minimum ASU GPA according to the ASU Undergraduate Academic Standards [7], or the ASU Graduate Academic Standards [8]. Students on academic disqualification are not eligible for financial aid.

Undergraduate student minimum cumulative GPA: 2.00

Graduate student minimum cumulative GPA: 3.00

Watch video: SAP GPA Standard [9]

### Pace rate standard

You must pass at least 67% of your total attempted ASU credit hours in your current degree program. You may need to consider reducing your course load in order to improve your cumulative pace rate. All courses must apply to your degree program.

Watch video: Pace rate standard [10]

### Maximum credit hour standard

You must not exceed the maximum attempted credit hour limit for your degree program. This standard applies to all programs, including minors, dual majors, concurrent degrees and prior degrees. All transfer credit hours accepted by ASU are included in this measurement. Audited courses are excluded from this measurement.

Watch video: Maximum credit hour standard [11]

## Your SAP status and how to appeal

Your SAP status is listed in the Finances tab of My ASU, in the Financial Aid and Scholarships box. Learn more about Satisfactory Academic Progress [12].

## Over-awards

An over-award occurs when your need-based awards exceed your financial need, or the total of your awards exceeds your cost of attendance. If you have been over-awarded, federal regulations require ASU to adjust your awards, which may result in a bill to your account. Need-based aid includes grants, scholarships, Federal Work-Study, subsidized Federal Stafford Loans and outside resources (i.e., faculty and staff tuition benefits, scholarships, stipends, etc.).

Non-need-based aid includes unsubsidized Federal Loans, Federal Parent PLUS Loans, Federal Graduate PLUS Loans and Private Education Loans.

Possible reasons an over-award can occur are:

- You receive additional awards.
- Your residency status changes.
- Your housing status changes.
- The verification process results in changes made to your FAFSA data.
- You have made changes in your enrollment that affect your cost of attendance.

## Frequently asked questions

**When are award adjustments made?**
Award adjustments are updated in My ASU every Monday through Friday, except for university-recognized holidays. Any changes you make to your enrollment that cause your aid to adjust will need to be made by 5 p.m. Monday through Friday in order for you to see your award adjustment reflected in My ASU the following weekday.

**How do credit hours and awards work?**
Because financial aid can be impacted when you add or drop a class, it is important to make minimal changes after you register for classes — especially after the start of the semester. It is also important that you participate in the classes for which you receive financial aid. Failure to participate in your classes can result in a reduction or cancellation of your financial aid.

This is especially important if you enrolled in session B. Any changes to session B classes after the start of session A or at any time during the semester could impact your financial aid. Changes may require money already disbursed to you to be billed back, resulting in a charge on your account.

Work with your academic advisor to make sure you have a good plan at the beginning of session A for your registered courses throughout the semester.

**Source URL:** https://tuition.asu.edu/financial-aid/maintaining-aid

**Links:**
[1] https://www.loom.com/share/df7eb07517b14320878feaaf3c05aaea
[2] https://tuition.asu.edu/financial-aid/confirmation-of-participation
[3] https://www.loom.com/share/b2b1510c9eca4693a4e08a63d1e2622e
[4] https://www.loom.com/share/1ad90a9d33fb4cbdb7e1cf019dac1892
[5] https://live-tuition-asu.ws.asu.edu/policies/fa-withdrawal
[6] https://www.loom.com/share/2a9bffbdb01649fcbae27e2fb63f8add
[7] https://catalog.asu.edu/retention_standing
[8] https://graduate.asu.edu/sites/default/files/asu-graduate-policies-and-procedures.pdf
[9] https://www.loom.com/share/ebab616c0b824479aaa2d2bbf0972135
[10] https://www.loom.com/share/554f646024634de98b41289837cef4fb
[11] https://www.loom.com/share/5d2414d2055d46b88757d346a4a9e037
[12] https://tuition.asu.edu/satisfactory-academic-progress

# Loan repayment

Since the start of the COVID-19 pandemic in March 2020, payment and interest accrual on federal students loans have been suspended. As part of the recently passed debt ceiling legislation, student loan repayments will resume for borrowers with outstanding balances 60 days after June 30, or around Sept. 1.

If you were on an automatic payment plan prior to the student loan repayment pause, you must contact your servicer and opt back in to the automatic payment plan. Not sure who your servicer is? [1] Go to StudentAid.gov [2], find your account dashboard [3] and scroll down to the “My Loan Servicers” section. You can also call the Federal Student Aid Information Center at 1-800-433-3243.

As a result of the U.S. Supreme Court’s decision on June 30, 2023, the proposed one-time Federal Student Loan Debt Relief Act will not be implemented. This means the entire outstanding balances of student loans will go into repayment once the moratorium ends at the end of August.

Arizona State University is committed to making education accessible and affordable for Arizona students. Approximately 90% of Arizona resident undergraduate students receive scholarships or grants. Additionally:

- The average tuition Arizona residents pay after gift aid is $3,866 per year.
- Nearly 45% of ASU students graduate with no debt.
- Arizona ranks 11th in the nation for the average amount of student debt after graduation ($24,709).

## Student loan deferment for current students

If you are a current ASU student enrolled at least half time (six credits for undergraduate students or five credits for graduate students), your student loans are automatically deferred until you graduate, or drop below the half-time enrollment status.

Read more about student loan deferment [4].

## Repaying student loans

### Information on Parent Plus loans

The student loan repayment pause also applies to parents with Federal Direct Parent Plus loans. Parents should follow the same steps as students to obtain their FSA ID and then contact their loan provider for information on resuming payment. Parent Plus loan repayment follows a different timeline than student loans, and repayment will begin while the student is still in school. Interest will also begin to accumulate as repayment begins again. Please contact your loan provider for more information.

### Student loan repayment

If you are no longer enrolled or are not enrolled in at least a half-time status, you will need to plan for your loans to go into repayment.

The first and most important step is to contact your federal loan servicer. If you don't know who your servicer is, log on to the National Student Loan Data System [5].

How to prepare [6]

### Loan repayment resources

Learn more about student loan repayment from our financial wellness partner, iGrad.

Take a 10 minute student loan repayment course [7], learn more about repayment options [8] and use the federal student loan repayment simulator [9] to calculate student loan payments and choose the best repayment option for you.

## Preparing for student loan repayment

Watch these informational NASFAA videos to help you understand student loan repayment and the first steps to get started.

### Prepare for student loan repayment

How to Prepare for Successful Student Loan Repayment [10] video on Youtube.

### Stay alert to avoid student loan scams

Stay Alert to Avoid Student Loan Scams video [11] on Youtube.

**Source URL:** https://tuition.asu.edu/financial-aid/loans/repayment

**Links:**
[1] https://studentaid.gov/manage-loans/repayment/servicers
[2] http://studentaid.gov/
[3] https://studentaid.gov/dashboard/
[4] https://studentaid.gov/manage-loans/lower-payments/get-temporary-relief/deferment
[5] https://nsldsfap.ed.gov/login
[6] https://www.nasfaa.org/uploads/documents/Prepare_For_Repayment_Infographic.pdf
[7] http://asu.igrad.com/courses/repaying-your-student-loans
[8] http://asu.igrad.com/articles/student-loan-repayment-plans-choosing-a-plan-grace-period
[9] http://studentaid.gov/loan-simulator
[10] https://www.youtube.com/watch?v=DDlBmaueFRQ

[11] https://www.youtube.com/watch?v=Xes3FEKyNhg

# Library resources

## Design and the Arts Library

### Information

- About the Design and the Arts Library [1]
- Collections [2]
- Library guides [3]
- Building information [4]
- The Design School [5]
- Contact us [6]
- Course resources for faculty [7]
- Art and Design Lending Library [8]

### Frequently used resources

- Avery Architecture Index [9]
- Design and Applied Arts Index [10]
- ARTstor [11]

View all research databases [12]

**Source URL:** https://lib.asu.edu/design

**Links:**
[1] https://lib.asu.edu/design/aboutus
[2] https://lib.asu.edu/design/collections
[3] https://libguides.asu.edu/sb.php?subject_id=49838
[4] https://lib.asu.edu/sites/default/files/docs/design_floorplan.pdf
[5] http://design.asu.edu/
[6] https://lib.asu.edu/design/contactus
[7] https://lib.asu.edu/course-resources
[8] https://lib.asu.edu/design/lending
[9] https://libguides.asu.edu/averyarchitect
[10] https://libguides.asu.edu/designappliedarts
[11] https://libguides.asu.edu/artstordl
[12] https://libguides.asu.edu/az.php

### About the Design and the Arts Library

The Design and the Arts Library is located on the first floor of the Design North building. This portion of the ASU Library collection focuses strongly on design subjects, including: architecture, landscape architecture, interior design, graphic design, industrial design, and urban planning. The Design and the Arts Library houses approximately 50,000 books, journals, and media items, as well as a special collection of primary source materials and archival drawings.

#### Locating missing books or journal articles

If a needed item (book or journal) is not on the shelf, please ask at the library's Information & Check Out Desk. If the item is checked out or is missing, and you are an ASU student, faculty, or staff member, you may request a copy through Interlibrary Loan [1]. If material is not checked out, you can initiate a search by requesting the item through Library One Search [2]. When the material becomes available, you will be notified via your ASU email.

**Source URL:** https://lib.asu.edu/design/aboutus

**Links:**
[1] https://lib.asu.edu/ill
[2] https://search.lib.asu.edu/

# Downtown Phoenix campus library

## Information

- About the Downtown Phoenix campus library [1]
- Contact us [2]
- Building floor plan [3]
- Services [4]
- Study rooms [5]
    - Reserve now [6]

## Frequently used resources

- Academic Search Ultimate [7]
- CINAHL [8]
- Cochrane Library [9]
- ERIC [10]
- Nexis Uni [11]
- PsycInfo [12]
- Social Services Abstracts [13]
- Sociological Abstracts [14]

View all research databases [15]

**Source URL:** https://lib.asu.edu/downtown

**Links:**
[1] https://lib.asu.edu/downtown/aboutus
[2] https://lib.asu.edu/downtown/contactus
[3] https://lib.asu.edu/sites/default/files/docs/downtown_floorplan.pdf
[4] https://lib.asu.edu/downtown/services
[5] https://lib.asu.edu/downtown/study
[6] http://asu.libcal.com/reserve/dpc
[7] https://libguides.asu.edu/aspebscohost
[8] https://libguides.asu.edu/cinahl
[9] https://libguides.asu.edu/cochranelib
[10] https://libguides.asu.edu/ericproq
[11] https://libguides.asu.edu/nexisuni
[12] https://libguides.asu.edu/psycinfo
[13] https://libguides.asu.edu/socservices
[14] https://libguides.asu.edu/sociologabstracts
[15] https://libguides.asu.edu/az.php

## About the Downtown Phoenix campus library

The Downtown Phoenix campus library, one of seven ASU Library locations, is located in the Information Commons in the lower level of the University Center building (411 N. Central Ave.). The full rich research collection of the entire ASU Library, both in print and online, is provided through the library. Students, faculty, and staff have access to over 275 research databases and almost 50,000 full text electronic journals which are available both on and off campus. Over 25,000 books and other research resources focusing on materials of particular interest to majors in the anchor fields taught at the Downtown Phoenix campus [1] are available onsite, with ready access to the over four million volumes in the ASU Library. In addition, our expert librarians are available to provide personalized research assistance.

Group study [2] rooms equipped with white boards and video projectors are available in the Information Commons and provide a great opportunity to collaborate and interact with other students. A few group study rooms have computers and DVD/VHS players. There are over 65 computers available for student access, including 10 dual boot iMACs and several workstations for students with disabilities.

During the Fall and Spring semesters, the library is typically open 86 hours per week; including being open until 11 pm Monday-Thursday (see the library hours [3]).

**Source URL:** https://lib.asu.edu/downtown/aboutus

**Links:**
[1] http://campus.asu.edu/downtown/
[2] https://lib.asu.edu/downtown/study
[3] https://lib.asu.edu/hours/downtown

# Hayden Library

## Information

- About the Hayden Library [1]
- Building information [2]
- Collections [3]
- Contact us [4]
- FAQ [5]
- Services and features [6]
- Study rooms [7]

## Frequently used resources

- ABI/Inform [8]
- Academic Search Ultimate [9]
- CINAHL [10]
- Dissertations and Theses [11]
- ERIC [12]
- Google Scholar [13]
- JSTOR [14]
- Naxos Music Library [15]
- Nexis Uni [16]
- PsycINFO [17]
- PubMed [18]
- Scopus [19]
- WorldCat [20]

View all research databases [21]

**Source URL:** https://lib.asu.edu/hayden

**Links:**
[1] https://lib.asu.edu/hayden/aboutus
[2] https://lib.asu.edu/hayden/building
[3] https://lib.asu.edu/collections/open-stacks/hayden
[4] https://lib.asu.edu/hayden/contactus
[5] https://lib.asu.edu/hayden/faq
[6] https://lib.asu.edu/hayden/services
[7] https://lib.asu.edu/hayden/study
[8] https://libguides.asu.edu/abiinform
[9] https://libguides.asu.edu/aspebscohost
[10] https://libguides.asu.edu/cinahl
[11] https://libguides.asu.edu/proqdissert
[12] https://libguides.asu.edu/ericproq
[13] https://libguides.asu.edu/googlescholar
[14] https://libguides.asu.edu/jstor
[15] https://libguides.asu.edu/naxosmusic
[16] https://libguides.asu.edu/nexisuni

[17] https://libguides.asu.edu/psycinfo
[18] https://libguides.asu.edu/pubmeddb
[19] https://libguides.asu.edu/scopus
[20] https://libguides.asu.edu/worldcat
[21] https://libguides.asu.edu/az.php

## About Hayden Library

Capping off a $90 million renovation [1], ASU's Hayden Library, originally built in 1966, has been reinvented and reopened for the 21st century, with an eye toward maximum accessibility, engagement and support for the university's growing student population.

Hayden Library's revamped five-story tower, which sits at the center of ASU's Tempe campus, now features nearly double the student space, enhanced study areas, community-driven book collections, two reading rooms, a variety of research services [2] and interdisciplinary learning labs, and an entire floor devoted to innovation.

To learn more about the reinvention and renovation of Hayden Library, read the ASU Now story: New doors open to Hayden Library [3]

**Source URL:** https://lib.asu.edu/hayden/aboutus

**Links:**
[1] https://cfo.asu.edu/hayden-reinvention
[2] https://lib.asu.edu/research
[3] https://asunow.asu.edu/20200110-sun-devil-life-new-doors-open-hayden-library

# Ross-Blakley Law Library

Meet with a librarian [1]

New student guide [2]

Study aids [3]

Law databases [4]

Research guides [5]

Stay in the know [6]

**Ask a law librarian**
- 480-965-6144 [7]
- Email [8]
- Chat [9]
- Meet [1]

**Library hours**
Monday - Friday
8 a.m. - 5 p.m.
Full Schedule [10]

**Announcements**
Introducing Group Research Training with a Law Librarian [11]

**Source URL:** https://lawlib.asu.edu/

**Links:**
[1] https://law-asu.libanswers.com/form.php?queue_id=4820
[2] https://libguides.law.asu.edu/newstudents
[3] https://lawlib.asu.edu/students/studyaids
[4] https://lawlib.asu.edu/research/databases

[5] https://libguides.law.asu.edu/
[6] http://lawlibnews.lawnews-asu.org/
[7] tel:14809656144
[8] https://law-asu.libanswers.com/form.php?queue_id=4915
[9] https://law-asu.libanswers.com/chat/widget/a7d5aa586a5e3395c7f08ace788d73a9
[10] https://lawlib.asu.edu/about/hours
[11] http://lawlibnews.lawnews-asu.org/?p=4605

# Music Library

## Information

- ASU performance duplication service [1]
- Collections [2]
- Contact us [3]
- Course Resources Services and streaming audio [4]
- Location and floor plan [5]
- Music Library services and policies [6]
- School of Music, Dance and Theatre [7]
- Study rooms [8]

## Frequently used resources

- ASU School of Music Performance Archive [9]
- ASU Sheet Music Collection [10]
- ASU Song Index [11]
- Chicago Manual of Style Online [12]
- Classical Music Library [13]
- Classical Scores Library [14]
- Dissertations & Theses Global [15]
- DRAM: Database of Recorded American Music [16]
- Garland Encyclopedia of World Music Online [17]
- Music Online Resources [18]
- Music Periodicals Database [19]
- Naxos Music Library [20]
- Naxos Sheet Music Library [21]
- Oxford Music Online [22]
- RILM Abstracts of Music Literature with Full Text [23]
- Worldcat [24]

View all research databases [25]

**Source URL:** https://lib.asu.edu/music

**Links:**
[1] https://lib.asu.edu/music/services/interperfpol
[2] https://lib.asu.edu/music/collections
[3] https://lib.asu.edu/music/contactus
[4] https://lib.asu.edu/course-resources
[5] https://lib.asu.edu/locations/music
[6] https://lib.asu.edu/music/services
[7] https://musicdancetheatre.asu.edu/
[8] https://lib.asu.edu/music/study
[9] https://keep.lib.asu.edu/collections/299
[10] https://prism.lib.asu.edu/collections/177
[11] http://spmi.lib.asu.edu/songs
[12] https://libguides.asu.edu/chicagomanstyle
[13] https://libguides.asu.edu/musicclassicallib
[14] https://libguides.asu.edu/musicclassicalv1

[15] https://libguides.asu.edu/proqdissert
[16] https://libguides.asu.edu/dram
[17] https://libguides.asu.edu/musicgarland
[18] https://libguides.asu.edu/MusicResources
[19] https://libguides.asu.edu/musicperios
[20] https://libguides.asu.edu/naxosmusic
[21] https://libguides.asu.edu/naxossheetmusic
[22] https://libguides.asu.edu/oxfmusic
[23] https://libguides.asu.edu/rilmmusiclitfull
[24] https://libguides.asu.edu/worldcat
[25] https://libguides.asu.edu/az.php

# Noble Library

## Information

- About the Noble Library [1]
- Building information [2]
- Collections [3]
- Contact us [4]
- FAQ [5]
- Services and features [6]
- Study rooms and zones [7]

## Frequently used resources

- EI Compendex [8]
- Google Scholar [9]
- IEEE Xplore [10]
- Inspec [11]
- Knovel [12]
- PubMed [13]
- Scopus [14]

View all research databases [15]

**Source URL:** https://lib.asu.edu/noble

**Links:**
[1] https://lib.asu.edu/noble/aboutus
[2] https://lib.asu.edu/noble/building
[3] https://lib.asu.edu/noble/collections
[4] https://lib.asu.edu/noble/contactus
[5] https://lib.asu.edu/noble/faq
[6] https://lib.asu.edu/noble/services
[7] https://lib.asu.edu/noble/study
[8] https://libguides.asu.edu/eicompendex
[9] https://libguides.asu.edu/googlescholar
[10] https://libguides.asu.edu/ieexplore
[11] https://libguides.asu.edu/inspec
[12] https://libguides.asu.edu/knovel
[13] https://libguides.asu.edu/pubmeddb
[14] https://libguides.asu.edu/scopus
[15] https://libguides.asu.edu/az.php

## About Noble Library

### Noble Library

Noble Library became Arizona State University's second major library facility in 1983. Today, Noble Library is home to a growing open stack print collection and a number of student support services, in addition to group and individual study spaces.

Dr. Daniel E. Noble, the library's namesake, was a technical innovator and inventor. Noble worked at Motorola for more than 30 years holding various research and executive positions, and is credited with designing the first FM mobile communication system.

**Street Address**
601 E Tyler Mall
Tempe, AZ 85281

**Building Code**
NOBLE

**Source URL:** https://lib.asu.edu/noble/aboutus

**Links:**
[1] http://www.ieeeghn.org/wiki/index.php/Daniel_Noble

# Polytechnic campus library

## Information

- About the Polytechnic campus Library [1]
- Building information [2]
- Contact us [3]
- Polytechnic campus Library services [4]
- Study rooms [5]

## Frequently used resources

- ABI Inform [6]
- Academic Search Ultimate [7]
- CINAHL [8]
- Compendex [9]
- Education Full Text [10]
- Mergent Intellect [11]
- PubMed [12]
- PsycINFO [13]
- Science Direct [14]
- Scopus [15]

View all research databases [16]

**Source URL:** https://lib.asu.edu/polytechnic

**Links:**
[1] https://lib.asu.edu/polytechnic/aboutus
[2] https://lib.asu.edu/sites/default/files/docs/poly_floorplan.pdf
[3] https://lib.asu.edu/polytechnic/contactus
[4] https://lib.asu.edu/polytechnic/services
[5] https://lib.asu.edu/polytechnic/study
[6] https://libguides.asu.edu/abiinform
[7] https://libguides.asu.edu/aspebscohost

[8] https://libguides.asu.edu/cinahl
[9] https://libguides.asu.edu/eicompendex
[10] https://libguides.asu.edu/educft
[11] https://libguides.asu.edu/mergentintellect
[12] https://libguides.asu.edu/pubmeddb
[13] https://libguides.asu.edu/psycinfo
[14] https://libguides.asu.edu/sciencedirect
[15] https://libguides.asu.edu/scopus
[16] https://libguides.asu.edu/az.php

## About Polytechnic campus library

Polytechnic campus library is in the basement of the Academic Center building.

### Contact information

Phone: 480-727-1037
Fax: 480-727-1077
Email: polylib@asu.edu [1]

### Location

ASU at the Polytechnic campus (Directions to campus [2])
Academic Center (CNTR)

Lower Level
5988 S. Backus Mall, Mesa, AZ 85212.

Polytechnic campus map [2]

**Source URL:** https://lib.asu.edu/polytechnic/aboutus

**Links:**
[1] mailto:polylib@asu.edu
[2] http://www.asu.edu/map/interactive/?campus=polytechnic

# West campus (Fletcher) library

## Information

- About Fletcher Library [1]
- Building information [2]
- Contact us [3]
- Fletcher services [4]
- Study rooms [5]

## Frequently used resources

- ABI/INFORM [6]
- Academic Search Ultimate [7]
- CQ Researcher [8]
- ERIC [9]
- Films on Demand (FMG) [10]
- Google Scholar [11]
- JSTOR [12]
- Nexis Uni [13]
- Mergent Intellect [14]
- ProQuest [15]
- PsycINFO [16]

View all research databases [17]

**Source URL:** https://lib.asu.edu/fletcher

**Links:**
[1] https://lib.asu.edu/fletcher/aboutus
[2] https://lib.asu.edu/fletcher/building
[3] https://lib.asu.edu/fletcher/contactus
[4] https://lib.asu.edu/fletcher/services
[5] https://lib.asu.edu/fletcher/study
[6] https://libguides.asu.edu/abiinform
[7] https://libguides.asu.edu/aspebscohost
[8] https://libguides.asu.edu/cqpress
[9] https://libguides.asu.edu/ericproq
[10] https://libguides.asu.edu/filmsondemand
[11] https://libguides.asu.edu/googlescholar
[12] https://libguides.asu.edu/jstor
[13] https://libguides.asu.edu/nexisuni
[14] https://libguides.asu.edu/mergentintellect
[15] https://libguides.asu.edu/proquest
[16] https://libguides.asu.edu/psycinfo
[17] https://libguides.asu.edu/az.php

## About Fletcher Library

### Information

ASU’s West campus library combines the service and values of a traditional library with a state-of-the-art approach to the Information Age.

The Fletcher Library was dedicated in 1988 honor of the Robert L. Fletcher family whose gift of property resulted in an endowment for the perpetual support of the library. It was the first building completed on campus and soon after received an Honor Award, the top recognition of design excellence from the Southern Arizona Chapter of the American Institute of Architects. A semi-circular reflecting pool graces the library’s front lawn.

In addition to a core print and media collection, Fletcher Library regularly features exhibitions and community-connected book displays. The third floor is home to the Labriola National American Indian Data Center's West campus location. There are several group study rooms and ample space for individual study throughout the library. The three-story library is open seven days a week during semester sessions.

The first floor includes the Student Success tutoring center and First Year Success (FYS-West).

Housed in the library’s lower level is the the American Indian Student Support Services (AISSS-West).

Treat yourself to a pastry and a cup of coffee at the Starbucks located inside the main entrance to the library.

Read the law that created West [1] (PDF).

### Resources

Building [2]
Computing Commons [3]
Tech Studio [4]
Computing/Wireless [5]
Contact [6]
Employment [7]
Group Study Rooms [8]
Location [9]
Student Success Center [10]

**Source URL:** https://lib.asu.edu/fletcher/aboutus

**Links:**
[1] https://lib.asu.edu/sites/default/files/docs/State_of_Arizona_west_campus_designation_1984.pdf
[2] https://lib.asu.edu/fletcher/building
[3] https://ucc.asu.edu/sites/hours-and-locations/west-locations/cpcom-west/
[4] https://ucc.asu.edu/techstudio/hours-and-locations/
[5] https://lib.asu.edu/policies/workstation
[6] https://lib.asu.edu/fletcher/contactus
[7] https://lib.asu.edu/employment
[8] https://lib.asu.edu/fletcher/study
[9] http://www.asu.edu/map/interactive/?campus=west&building=FLHLB
[10] http://studentsuccess.asu.edu/west/

# University policies

## Academic integrity

At Arizona State University, we place great value on the research and scholarship of our students and faculty and are committed to a culture of academic integrity and scholarly ethics. We welcome you into our culture of academic excellence and integrity and hope you will help foster and promote ethical and honest behavior in connection with your scholarly work and interactions with your peers.

Academic integrity video [1] on Youtube.

### What is academic integrity?

No matter what stage of your educational or professional career pursuits, acting with integrity is a cornerstone of leadership and good citizenship. Integrity is a character-driven commitment to honesty, doing what is right, and guiding others to do what is right. Arizona State University students and faculty are expected to act with integrity in their educational pursuits.

Academic dishonesty falls into five broad areas that include but are not limited to:

1. Cheating on an academic evaluation or assignment.
2. Plagiarizing [2].
3. Academic deceit, such as fabricating data or information.
4. Aiding academic integrity policy violations and inappropriately collaborating.
5. Falsifying academic records.

It is important that you understand what constitutes a violation of academic integrity. The ASU community is here to help you stay informed and to provide resources to avoid these kinds of violations. Please read ASU's academic integrity policy found here and visit the student resource page found here.

Most importantly, if you are not sure if something is really cheating, ask your professors, academic integrity officers, T.A.s or academic advisors.

### ASU student honor code

[Archivist's note: embedded Google slides presentation; no link available]

**Source URL:** https://provost.asu.edu/academic-integrity

**Links:**
[1] https://www.youtube.com/watch?v=_re07sKys_o
[2] https://provost.asu.edu/academic-integrity/resources/students#avoiding-plagiarism

### ASU student honor code

The ASU student honor code affirms the commitment of ASU students to uphold the values, principles, and ethics of academic integrity.

#### Honor code

> "We, the students of Arizona State University, adopt this code as an affirmation of our commitment to academic integrity and our participation in ethical education.
>
> We embrace our duty to uphold ASU's Honor Code, and in light of that duty,
>
> We promise to refrain from academic dishonesty.
>
> We pledge to act with integrity and honesty and to promote these values among our peers. We agree to always abide by the Sun Devil Way [1] and uphold the values of the New American University [2]."

[Archivist's note: embedded Google slides presentation; no link available]

**Source URL:** https://provost.asu.edu/academic-integrity/honor-code

**Links:**
[1] https://eoss.asu.edu/sundevilway
[2] https://newamericanuniversity.asu.edu/about/asu-charter-mission-and-goals

# Why is academic integrity important?

## Foundational value

Academic integrity is a fundamental value and is paramount to your success as a student. Protecting the ASU community from violations of academic integrity is everyone's responsibility.

### Academic integrity violations negatively impacts:

**You as a student**
If you cheat in a course or another academic exercise, you are taking away your opportunity to learn, develop and improve your skills, and obtain an educational degree that reflects your own academic achievements.

**The ASU community**
ASU is an intellectual community focused on teaching, research and the values of the New American University. The creation, transmission, sharing and applying of knowledge are central activities of the community. Cheating violates fundamental values of the university community.

**Future employers, clients or patients**
Cheating can hurt the people you will work with in the future. You are preparing for careers where you will provide services to others—legal, journalistic, medical, research, etc. If you do not learn how to do this work, you have cheated your future employers and clients of a knowledgeable professional.

## Student policy

Why is academic integrity important? [1] video on YouTube

Keon McGuire, Assistant Professor in Mary Lou Fulton Teacher College, shares why academic integrity is important. We want your time spent here at ASU to be enriching, engaging and full of wonderful educational experiences that prepare you for your future.

### What is a violation of the academic integrity policy?

Academic dishonesty falls into five broad areas that include but are not limited to:

1. Cheating on an academic evaluation or assignment.
2. Plagiarizing.
3. Academic deceit, such as fabricating data or information.
4. Aiding academic integrity policy violations and inappropriately collaborating.
5. Falsifying academic records.

### What are the consequences?

At Arizona State University, academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to: appropriate grade penalties, loss of registration privileges, disqualification and dismissal. ASU strictly adheres to the academic integrity policy.

This policy sets forth the ASU Student Academic Integrity Policy and appeal procedures.

View full policy [2]

**Additional policies to be aware of:**

### Student code of conduct

Violations of the ASU Student Code of Conduct, other than the provision concerning academic dishonesty, are more generally considered inappropriate behavior. The Office of Student Rights and Responsibilities [3] reviews and sanctions these matters. If a student violates both the academic integrity provision and additional provisions of the Student Code of Conduct, both the college and the Office of Student Rights and Responsibilities will review the matter. Each independently makes determinations concerning violations and appropriate sanctions.

### Misconduct in research

For graduate students and undergraduates involved in research, there can be overlapping areas between Academic Integrity Policy violations, responsible conduct of research and research misconduct. The five areas listed above describe the kinds of Academic Integrity Policy violations and are handled under the ASU Student Academic Integrity Policy by faculty members, colleges and the provost.

If a student is working on a federally-funded research project, some of these items may also be considered misconduct in research [4]. Misconduct is defined as:

Fabrication, falsification, plagiarism and other practices that seriously deviate from those that are commonly accepted within the academic community for proposing, conducting or reporting research. Instances of honest error and honest differences in interpretations or judgments of data are not considered misconduct. (From RSP 004: Definitions [5])

A student who violates both ASU's Misconduct in Research Policy and Student Academic Integrity Policy will be reviewed by both the college and the Office of Knowledge Enterprise Development's Office of Research Integrity and Assurance [6] (ORIA). Each independently makes determinations concerning violations and appropriate sanctions.

In addition, some actions might be considered violations of the norms of responsible conduct of research, but not Academic Integrity Policy violations or misconduct in research. Many of these incidents fall into the general category of "collaborator disputes." For example, if a doctoral graduate of ASU continued a line of research begun at ASU in a new lab external to ASU, and the ASU mentor objected, generally speaking the matter would be addressed as a collaborator dispute, rather than as an Academic Integrity Policy violation or misconduct in research. Many conflicts over appropriate authorship credit on publications also fall into this area.

**Source URL:** https://provost.asu.edu/academic-integrity/impact

**Links:**
[1] https://www.youtube.com/watch?v=Xl_LGLFhPPc
[2] https://provost.asu.edu/academic-integrity/policy
[3] https://eoss.asu.edu/dos/srr
[4] http://www.asu.edu/aad/manuals/rsp/rsp210.html
[5] http://www.asu.edu/aad/manuals/rsp/rsp004.html#misconduct
[6] https://researchintegrity.asu.edu/

## Student policy | Office of the University Provost

Academic Integrity Policy [1] (PDF)

At Arizona State University academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to: appropriate grade penalties, loss of registration privileges, disqualification and dismissal. ASU strictly adheres to the academic integrity policy. This policy sets forth the ASU Student Academic Integrity Policy and appeal procedures.

**A. Purpose**

1. This Policy sets forth the ASU Student Academic Integrity Policy and appeal procedures. These procedures are designed to encourage a fair and appropriate process for students and faculty to resolve allegations of academic dishonesty. They may be modified in individual cases, so long as the student is provided notice and an opportunity to respond to allegations of academic dishonesty.
2. This Policy does not apply to differences of opinion over grades issued by an instructor.

**B. Definitions**

**Academic Deceit** Any deceptive or fraudulent act that creates or attempts to create an advantage or disadvantage for any member of the academic community.

**Academic Evaluation** Any academic assignment, project, paper, performance, quiz, exam, comprehensive exam, candidacy exam, thesis, dissertation, clinical or internship experience, or other evaluation assigned or offered for credit (including extra or optional credit), intended to fulfill an academic requirement, or considered by the University to provide academic or research experience (such as a paid research position).

**Academic Integrity Officer** The person responsible for managing the academic integrity investigation and adjudication process in a College or School. The Academic Integrity Officer works with both the student and Instructor to ensure that all procedures are followed. The Academic Integrity Officer is responsible for guiding both the student and Instructor through the investigation and adjudication process. The Academic Integrity Officer may pursue the academic dishonesty allegation if, for any reason, the Instructor is unable or unwilling to do so.

**Advisor** An individual selected by the student to assist him/her during the academic integrity process. The advisor may be a faculty or staff member, student, or other representative of the student.

College/School Board College or School Board is appointed by the academic Dean to review allegations of academic dishonesty. Each College or School Board is a standing committee comprised of faculty members and at least one student.

**University Academic Integrity Hearing Board** Hearing board appointed by the Provost or designee to review allegations of academic dishonesty, typically through student appeals from a College/School Board.

**Instructor** An academic supervisor or any person holding a faculty appointment as defined in the Arizona State University Academic Affairs Manual and is responsible for or authorized to conduct an academic evaluation. The Academic Integrity Officer may take the place of the Instructor throughout this process.

**Day** University business day, not including Saturday, Sunday, any officially recognized university employee holiday, or any day the University is closed.

**C. Student obligations**

1. All students must act with honesty and integrity. ASU believes that any form of Academic Dishonesty negatively impacts not only the student involved but all ASU students. The ASU student honor code affirms this commitment to integrity and can be found here.
2. Academic Dishonesty includes attempting or engaging in the following:
    a. Academic Deceit;
    b. Referring to unauthorized materials, sources, or devices (e.g., Internet resources, computer disks, audio recorders, cellular phones, personal electronic devices, text messages, crib sheets, calculators, solution manuals, materials from previous classes, or commercial research services) during an Academic Evaluation;
    c. Possessing, reviewing, buying, selling, obtaining, posting on a site accessible to others, reviewing materials from a site accessible to others, or using, without appropriate authorization, any materials intended to be used for an Academic Evaluation in advance of its administration;
    d. Using a substitute or acting as a substitute for another person in any Academic Evaluation;
    e. Relying on the aid of others, including other students, tutors, or for-hire agents, in connection with any Academic Evaluation to the extent that the work is not representative of the student's abilities;
    f. Providing inappropriate aid to another person in connection with any Academic Evaluation, including the unauthorized use of materials, cellular phones, text messages, photocopies, notes, or other means to copy or photograph materials used or intended for Academic Evaluation;
    g. Plagiarism, or the use of another’s words, ideas, materials, or work from the Internet or any other source without properly acknowledging and documenting the source. Students are responsible for knowing the rules governing the use of another’s work or materials and for acknowledging and documenting the source appropriately.
    h. Claiming credit for or submitting work done by another or through the unauthorized use of technology;
    i. Signing an attendance sheet for another student, allowing another person to sign on the student's behalf, or otherwise obtaining credit for attendance for oneself or another without attending;
    j. Falsifying or misrepresenting hours or activities regarding an internship, externship, field experience, clinical activity, or similar activity; or
    k. Attempting to influence or change any Academic Evaluation, or academic record for reasons having no relevance to academic achievement.

**D. Academic dishonesty investigation and procedures**

1. Anyone with a good faith basis for believing that a student has engaged in Academic Dishonesty may report the alleged violation to the Instructor or Academic Integrity Officer for the college or school in which the Academic Dishonesty occurred.
2. If the Instructor or Academic Integrity Officer conclude that there is a sufficient basis to believe the student engaged in Academic Dishonesty, the Academic Integrity Officer will notify the student of the alleged violation and initiate the investigative process.
3. Before concluding the investigation, the Academic Integrity Officer will provide the student a summary of the information gathered. The student will have 5 business days after the notice was sent to respond on his/her own behalf to the allegation.
4. At any point in the process, the student can contact the Academic Integrity Officer to seek consultation or clarification.
5. The student may be accompanied by an Advisor at any point in the process. The Advisor is not permitted to participate directly or speak for the student.
6. Once the investigation is complete, in consultation with the Academic Integrity Officer, the instructor will recommend a sanction. The student will be notified of the result of the investigation and the sanction to be imposed, if any.

**E. Sanctions and appeal**

1. The following sanctions may be imposed for Academic Dishonesty:
    a. Reduced or failing grade for the Academic Evaluation;
    b. Reduced or failing grade for the course.
    c. An XE grade as described in section K below;
    d. Withdrawal of credit for a previously accepted course or requirement;
    e. Suspension from the University for a specific period of time;
    f. Expulsion from the University without expectation of readmission; and/or
    g. Other sanctions as consistent with this policy and the Student Code of Conduct: https://eoss.asu.edu/dos/srr/codeofconduct [2]
2. At any time, the student and the Instructor may agree on the sanction and inform the Dean. The Dean may reject the proposed resolution and appoint a designee to pursue the case on behalf of the University.
3. The student will also be notified of their right to appeal to the Dean. The student must file their appeal no later than 10 business days after the date the notification was sent. If the student does not file a timely appeal, the sanction is final.
4. A student's appeal of a recommended sanction must be submitted in writing and include the following:
    a. A description of the alleged academic dishonesty, including a factual narrative of events, the dates and times of occurrences, and any other reason why the sanction should not be imposed;
    b. The names of persons having information about relevant circumstances or events; and
    c. The general nature and description of all evidence.
5. If the student files an appeal, the student must meet with the Academic Integrity Officer to discuss hearing procedures. The Academic Integrity Officer will help the student navigate the process and provide additional information when needed.
6. If the student wishes to dispute any aspect of the allegation or sanction, the student may file an appeal. If the student files a timely appeal, the sanction will not be imposed until the appeal is resolved. If the student files an appeal at the end of a semester, or during the last semester of enrollment, the course grade or degree may be withheld until the matter is resolved. If a grade or degree will be withheld for any period, the Academic Integrity Officer or Dean must notify the Registrar's Office.

**F. College/school board hearing**

1. The Academic Integrity Officer will forward a student's timely appeal to the Instructor.

2. Pre-Hearing Proceedings
    a. The Academic Integrity Officer will send a notice of hearing to the student, Instructor, College/School Board, and the head of the College/School/academic unit where the alleged dishonesty occurred. The notice will include the following information:
        i. Statement of time and place of the hearing before the College/School Board. Unless the parties and Academic Integrity Officer agree otherwise, the hearing will take place during the regular fall or spring semester;
        ii. A copy of this Policy or instructions on accessing the Policy electronically;
        iii. Requirement that the parties provide to each other and the College/School Board a written list of witnesses and a description of any documents or other evidence they intend to use at the hearing. Unless the Chair provides otherwise, this information must be exchanged at least 5 business days before the hearing.

iv. The length of time set for the hearing, the time limitation for the presentation of evidence, and any other procedural requirements.

3. Conduct of the Hearing
    a. In order to preserve the confidential nature of the disciplinary process and to protect the privacy of those involved, the hearing will be closed to the public.
    b. The College/School Board Chair will preside at the hearing and will rule upon all procedural matters. The formal rules of evidence will not apply, although objections to the introduction of specific statements or documents may be considered by the Chair. Irrelevant, immaterial, privileged, or unduly repetitious information will be excluded.
    c. The Instructor shall have the burden of showing it is more likely than not that the student engaged in Academic Dishonesty. The Instructor must also explain the reason for the sanction. If the student accepts responsibility for Academic Dishonesty, then the College/School Board may focus the hearing on the appropriate sanction.
    d. Information regarding prior violations or informal resolutions of previous allegations may not be used as proof of a current violation, but may be admitted for other purposes, such as to show that the student had prior experience relevant to the allegations or to show that the student had been informed previously that the conduct was unacceptable. The College/School Board may also consider information regarding prior violations in determining an appropriate sanction.
    e. A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned his/her appeal, unless the student can demonstrate that extraordinary circumstances prevented his/her appearance or participation.
    f. The student and Instructor may each have an Advisor present, but the Advisors shall not be permitted to address the College/School Board directly, except as the College/School Board Chair deems necessary or appropriate.
    g. The hearing will be recorded and the student may request a copy of the recording. The student may also request a transcript, but will be responsible for its cost.
    h. Except as otherwise permitted by the College/School Board Chair, witnesses will be excluded from the hearing except during their own testimony. The Chair may remove a party, Advisor, or witness from the hearing if that person's conduct is disruptive.
    i. When necessitated by fairness or extraordinary circumstances, the College/School Board may permit the parties to make arrangements for recorded, written, or telephonic testimony from their witness(es) for use in the proceeding.
    j. The Instructor shall proceed first at each stage of the presentation.
        i. Each party may present an opening statement, which summarizes what information is expected to be presented.
        ii. Each party will call their witness(es) to provide statements under oath.
        iii. At the conclusion of each witness's statement, he/she may be questioned by the other party.
        iv. The College/School Board may ask further questions of each witness.
        v. Each party may present a closing statement, which summarizes the information that was presented.

4. If the alleged Academic Dishonesty involves the work of multiple students, the College/School Board may modify these procedures to address the circumstances. The College/School Board should provide prior written notice of any modification of the procedures to all parties. Each student must file his/her own appeal. A student who has not filed an appeal should not expect to benefit from another student's appeal.

**G. College/school board deliberations and recommendations**

1. Following the presentation of information and closing statements, the College/School Board will discuss the information that has been presented and the reasonable inferences to be drawn from it. Only the Board, its legal advisor, if any, and the Academic Integrity Officer may be present during the deliberations. Neither the student nor the Instructor may be present during the deliberations.
2. Based solely upon the information presented, the College/School Board will formulate a recommendation to the Dean as to whether the student more likely than not engaged in academic dishonesty and the appropriate sanction. Recommendations must be supported by a simple majority of the Board.

3. The College/School Board will prepare and send a written recommendation to the Dean within 5 business days of the hearing. The written recommendation will include findings of fact and a statement of the reasons for the recommendation. It will also be signed by the College/School Board Chair. If the recommendation is not unanimous, dissenting opinions should be reflected in the recommendation.

**H. Review and decision by Dean**

1. After reviewing the College/School Board's Recommendation, the Dean will render a written decision which affirms, denies, or accepts the College/School Board's recommendation with modifications.
2. The Dean may not make new findings adverse to the student or increase the severity of a sanction, unless
   The Dean provides the student notice and an opportunity to respond to the new findings or sanction, and
   Remands the matter to the College/School Board for further proceedings.
3. The Dean will provide written notice of the decision to the student, the Academic Integrity Officer, the instructor, the College/School Board, and the head of the College/School/academic unit where the alleged dishonesty occurred within 20 business days following receipt of the College/School Board's recommendation. A delay may occur if it becomes necessary to conduct further investigation or to remand the matter to the College/School Board. In those cases, the written decision will be transmitted no later than 20 business days following completion of the investigation or the College/School Board's subsequent recommendation.
4. The Dean's decision is final and may not be further appealed unless the Dean recommends that the Provost suspend or expel the student from the University.
5. If the Dean recommends the suspension or expulsion of an international student, both the student and Academic Integrity Officer should consult with the ASU International Students and Scholars Center.
6. If the Dean recommends that the Provost suspend or expel the student from the University, the letter from the Dean will state that the student may appeal the recommendation by filing a written request for review with the Provost within 10 business days of the date of the letter.
7. If the student does not timely appeal, the Provost or designee will review the Dean's recommendation and issue a final decision on suspensions or expulsions from the University.

**I. Review and decision of a suspension or expulsion from the University**

1. A student may seek to have a Dean's decision reviewed by the University Academic Integrity Hearing Board only if the Dean recommends that the Provost suspend or expel the student from the University. However, a student who failed to appeal or abandoned his/her appeal at the College/School Board hearing may not appeal to the University Academic Integrity Hearing Board.
2. The appeal must be in writing and must be filed with the Provost within 10 business days of the date of the Dean's decision letter.
3. The Provost or designee will appoint and charge a University Academic Integrity Hearing Board to conduct the hearing. The Hearing Board will be comprised of three members. One member must be a student and one of the other members will act as Hearing Board Chair. The hearing shall follow the procedures set forth in the Student Code of Conduct Procedures, except that the College/School will take the role of the Dean of Students and the Provost or designee will take the role of the Senior Vice President for Educational Outreach and Student Services.

**J. Review and decision of a degree or certificate revocation**

1. Anyone with a good faith basis to believe that an ASU alumnum has engaged in Academic Dishonesty may report the alleged violation to the Office of the University Provost.
2. The Provost's designee will investigate and make an initial determination as to whether there is a sufficient basis to believe that the alumnum engaged in Academic Dishonesty and whether the appropriate sanction includes degree or certificate revocation.
3. If the Provost's designee decides to initiate an Academic Dishonesty complaint, he/she will notify the alumnum of the allegations and provide the alumnum an opportunity to respond.
4. The Dean of the College/School that awarded the degree or certificate may choose to convene an ad hoc committee to review the evidence and make a recommendation as to whether the alumnum engaged in Academic Dishonesty and the appropriate sanction.
5. In cases not involving graduate students, after reviewing the evidence and committee recommendation, if any, the Dean of the College/School that awarded the degree or certificate will render a written decision as to whether the alumnum more likely than not engaged in Academic Dishonesty and the appropriate sanction.
6. In cases involving graduate students, after reviewing the evidence and committee recommendation, if any, the Dean of Graduate College in consultation with the Dean of the College/School that awarded the graduate degree or certificate, will render a written decision as to whether the alumnum more likely than not engaged in Academic Dishonesty and the appropriate sanction.
7. If the Dean recommends that the Provost revoke a degree or certificate, the letter from the Dean will state that the alumnum may appeal the recommendation by filing a written request for review with the Provost within 10 business days after the date the notification was sent.

8. If the alumnum does not timely appeal, the Provost or designee will review the recommendation and issue a final decision.
9. If the alumnum files a timely appeal, the Provost or designee will establish a University Academic Integrity Hearing Board to conduct the hearing. The hearing shall follow the procedures set forth in the Student Disciplinary/Grievance Procedures, except that the College/School will take the role of the Dean of Students and the Provost will take the role of the Senior Vice President for Educational Outreach and Student Services.

**K. XE grade**

1. The XE grade will be recorded on the student's official and unofficial transcript with the notation "failure due to academic dishonesty." The XE grade shall be treated in the same way as an E for the purposes of grade point average and determination of academic standing.
2. No student with an XE grade on his/her transcript shall be permitted to represent the University in any extracurricular activity or to run for or hold office in any recognized student organization.
3. Generally, the XE grade will remain on the transcript permanently. For other cases, after at least 12 months have elapsed since the XE grade was imposed, the student may file a written petition to the Dean to have the XE grade removed and replaced with an E grade. The decision to remove the XE grade and replace it with an E grade is within the discretion and judgment of the Dean.
4. Before replacing an XE grade with an E grade, the Dean may confer with other University officials and may require the student to attest that he/she has not been involved in any other act of academic dishonesty or similar disciplinary offense at ASU or another institution. If the student's representation is later discovered to be false, the Dean may reinstate the XE grade and recommend suspension or expulsion.

**L. Procedures following final decision**

1. If any student work affected by the finding of Academic Dishonesty has been placed in the library or forwarded to a third party in partial fulfillment of degree requirements, that work may be removed from the library or withdrawn from the third party.
2. A student's official and unofficial transcript may reflect that an XE grade, suspension from the university, expulsion from the university, or degree or certificate revocation was the result of Academic Dishonesty.
3. One year after the completion of a suspension for Academic Dishonesty, a student may petition to have the notation of suspension for Academic Dishonesty removed from his or her transcript. The student must submit a written petition to the Provost which summarizes his or her academic and personal history since the suspension which justifies removing the notation. The decision to remove the notation that the student was suspended for Academic Dishonesty is within the sole discretion and judgment of the Provost.
4. A notation of expulsion from the university or degree or certificate revocation resulting from Academic Dishonesty is permanent.
5. A degree may be revoked if its requirements were not adequately fulfilled.
6. If a degree is revoked and a transcript was forwarded to another institution, ASU will notify the institution of the revocation.

**M. Other university policies**

The University's Misconduct in Research Policy is independent of the Student Academic Integrity Policy and the Guidelines for Graduate Appeals. Individual conduct may also violate and be subject to review and sanctions under these policies.

**Source URL:** https://dev-provost-asu.ws.asu.edu/academic-integrity/policy

**Links:**

[1] https://dev-provost-asu.ws.asu.edu/sites/default/files/academic-integrity-policy.pdf
[2] https://eoss.asu.edu/dos/srr/codeofconduct

## Meet your Academic Integrity Officer

The Academic Integrity Officer for a college/school serves as the lead educator for faculty and students to sustain a culture of academic integrity at ASU and to increase awareness of the university's academic integrity policy [1].

Both students and faculty can contact the Academic Integrity Officer for your College/School to report an academic integrity violation or to ask questions related to academic integrity policies and procedures.

Meet some of your academic integrity officers in this video. They are here for you. They will help you find an answer that avoids problems with academic integrity. We invite you to meet with your academic integrity officer and know who they are.

Meet Your Academic Integrity Officer [2] video on Youtube.

**Melanie Alvarez [3]**
Assistant Dean
Walter Cronkite School of Journalism and Mass Communication
melanie.alvarez@asu.edu [4]

**Lisa Anderson [5]**
Associate Dean for Academic Affairs
Graduate College
lmanderson@asu.edu [6]

**Bruce Bailey [7]**
Manager
University College
bruce.d.bailey@asu.edu [8]

**Chuck Barbee [9]**
Director of Academic Standards and Curriculum Planning
Ira A. Fulton Schools of Engineering
charles.barbee@asu.edu [10]

**Trisha Eardley [11]**
Director
College of Integrative Sciences and Arts
trisha.eardley@asu.edu [12]

**Stephani Etheridge Etheridge Woodson [13]**
Interim Associate Dean of Students
Herberger Institute for Design and the Arts
swoodson@asu.edu [14]

**Elisabeth Gee [15]**
Associate Dean, Academic Systems and Delbert and Jewell Lewis Chair in Reading and Literacy Professor
Mary Lou Fulton Teachers College
elisabeth.gee@asu.edu [16]

**Justin Harding [17]**
Exec Director
EdPlus
justin.harding@asu.edu [18]

**Kristen Hermann [19]**
Vice Dean
Barrett, The Honors College
knielsen@asu.edu [20]

**Tamara Herrera [21]**
Associate Dean of Academic Affairs and Clinical Professor of Law
Sandra Day O'Connor College of Law

tamara.herrera@asu.edu [22]

**Ron Hicks [23]**
Senior Director, Student Success Operations
College of Health Solutions
ron.hicks@asu.edu [24]

**Kathy Kenny [25]**
Associate Dean
Edson, College of Nursing and Health Innovation
katherine.kenny@asu.edu [26]

**Catherine Kerrey [27]**
Executive Director, Academic and Student Affairs
New College of Interdisciplinary Arts and Sciences
catherine.kerrey@asu.edu [28]

**Paul LePore [29]**
Associate Dean and Clinical Professor
The College of Liberal Arts and Sciences
paul.lepore@asu.edu [30]

**Travis Leybeck [31]**
Sr. Director, Student Engagement and Professional Services
Thunderbird School of Global Management
travis.leybeck@thunderbird.asu.edu [32]

**Joanna Lucio [33]**
Associate Dean
Watts College of Public Service and Community Solutions
Joanna.Duke@asu.edu [34]

**Lisa Murphy [35]**
Sr. Director, Academic Services
College of Global Futures
lisa.m.murphy@asu.edu [36]

**Rudy Pino [37]**
Executive Director, Academic Excellence
W. P. Carey School of Business
rudy.pino@asu.edu [38]

**Source URL:** https://provost.asu.edu/academic-integrity/officers

**Links:**
[1] https://provost.asu.edu/academic-integrity/policy
[2] https://www.youtube.com/watch?v=wV9MccsROrM
[3] https://search.asu.edu/profile/1051194
[4] mailto:melanie.alvarez@asu.edu
[5] https://search.asu.edu/profile/285089
[6] mailto:lmanderson@asu.edu
[7] https://search.asu.edu/profile/4602820
[8] mailto:bruce.d.bailey@asu.edu
[9] https://search.asu.edu/profile/1640141
[10] mailto:charles.barbee@asu.edu
[11] https://search.asu.edu/profile/289288
[12] mailto:trisha.eardley@asu.edu
[13] https://search.asu.edu/profile/96522
[14] mailto:swoodson@asu.edu
[15] https://search.asu.edu/profile/1054838
[16] mailto:elisabeth.gee@asu.edu
[17] https://search.asu.edu/profile/274329

[18] mailto:justin.harding@asu.edu
[19] https://search.asu.edu/profile/57196
[20] mailto:knielsen@asu.edu
[21] https://search.asu.edu/profile/406622
[22] mailto:tamara.herrera@asu.edu
[23] https://search.asu.edu/profile/1615035
[24] mailto:ron.hicks@asu.edu
[25] https://search.asu.edu/profile/761062
[26] mailto:katherine.kenny@asu.edu
[27] https://search.asu.edu/profile/516336
[28] mailto:catherine.kerrey@asu.edu
[29] https://search.asu.edu/profile/1364564
[30] mailto:paul.lepore@asu.edu
[31] https://search.asu.edu/profile/422908
[32] mailto:travis.leybeck@thunderbird.asu.edu
[33] https://search.asu.edu/profile/972563
[34] mailto:Joanna.Duke@asu.edu
[35] https://search.asu.edu/profile/59936
[36] mailto:lisa.m.murphy@asu.edu
[37] https://search.asu.edu/profile/270266
[38] mailto:rudy.pino@asu.edu

## Student resources

Over the course of your academic journey here at Arizona State University, you will be challenged to continually build upon your skills and academic abilities. At times, pressure and stress can arise from balancing busy schedules, academic commitments, and personal commitments. In these moments of adversity, it’s important that you make ethical decisions and uphold a high standard of integrity for you and for others.

### Behavior and actions

#### What does Sun Devil Integrity look like?

To see the behaviors and actions of Sun Devil Integrity, view the infographic below or download the PDF [1].

# Sun Devil Integrity

## Engages in learning

Chooses to engage in learning in college courses to fully understand the content so he/she can be a knowledgeable professional when entering the career world.

## Takes notes

Diligently takes notes during class and during readings to begin preparing for exams. Studies his/her own notes, making flashcards and study materials, without seeking shortcuts.

## Reports cheating

Reports cheating to the department's academic integrity officer.

## Studies diligently

Studies for exams and assessments diligently and well in advance of exam day. Collaborates with classmates to study for exams by quizzing each other, but completes the exams entirely by himself/herself.

## Cites sources

Cites all sources that are referenced, paraphrased, and/or quoted in full or in part, using appropriate source citation (such as APA or MLA format).

## Avoids cheating

Avoids online or contract cheating websites where offers to complete college coursework, in full or in part, are made.

## Completes tasks

Breaks long papers into parts (bibliography, outline, introduction, body, conclusion, and further sub-parts) to complete the task in stages ahead of deadlines.

## Works in advance

Works in advance of assignment deadlines to plan out projects and papers, and create a checklist and a study plan with a daily or weekly schedule.

## Encourages others

Encourages classmates to do their own work and to learn materials so they can be knowledgeable aspiring professionals.

## Respects Honor Code

Treats instructors and classmates with respect and upholds the ASU Student Honor Code.

ASU Arizona State University

### Academic integrity at ASU tutorial

The Academic Integrity at ASU tutorial [2] also will walk you through the importance of academic integrity. Upon completion of the tutorial you will be able to:

- Describe the five types of academic integrity
- Identify the do's and don'ts of academic integrity at ASU
- Recognize the consequences of academic dishonesty

## Strategies

### Strategies for how to complete your work with integrity

**Be informed:** Understand ASU's expectations regarding academic integrity by understanding the Academic Integrity Policy [3] and Student Code of Conduct [4].

**Ask questions:** If you are not sure if something is really cheating, ask your professors, T.A.s, academic integrity officers, or academic advisors.

**Seek tutoring:** Ask your professors and others in your department for help in finding academic support. Help is available from the following sources:

- On-campus, in-person writing support [5]
- Online support for citations and style manuals [6]
- Tutoring and academic success resources [7]

**Stay healthy:** Checkout the Live Well at ASU [8] webpages to obtain information, resources and involvement opportunities found in each element are designed to positively impact your academic performance, personal well-being and assist you in reaching your full potential.

## Avoiding plagiarism

Plagiarism may be the most common form of academic dishonesty and is often unintentional. Protect yourself by understanding how to avoid plagiarism at Arizona State University using the following resources.

### What is plagiarism?

#### Defining plagiarism

Acts of plagiarism can be glaringly obvious or very subtle. Understanding plagiarism, with all of its intricacies and nuances, provides a foundation of knowledge one can use to make sound decisions and avoid getting caught up in a plagiarism scandal—whether intentional or unintentional.

#### Document sources appropriately

Lapses in one's technique for paraphrasing ideas, quoting information or citing sources can make way for accusations of plagiarism. Make it a point to learn how to integrate the ideas of others and to document the sources of "borrowed" information appropriately. View citation styles [9].

#### Avoiding unintentional plagiarism

Keeping track of the deluge of notes and source material can become a mind-boggling undertaking, and mistakes can lead to unintentional plagiarism. Learn about web-based citation management tools at ASU Library's Citation Management Tools [10] library guide.

### Self-plagiarism

Quoting words or borrowing ideas without reference to the author is a problem, even if you happen to be the author.

#### Same story – different outlets

You cannot:

- submit the same paper for different classes.
- use sections of your previous work for a comp exam answer.
- expand on your master's thesis for your dissertation.
- submit the same research article to different journals.

Learn more about the complicated issue of self-plagiarism. Talk to your Academic Integrity Officer about what this means for you.

### Recycling is not always good

Not when it comes to your own words. Many researchers use the same literature, research methods or analyses across studies and find it time consuming to write new versions of these sections. Yet blind journal reviewers or electronic cross-checking may indicate you are plagiarizing. Take the time to rephrase and remember you need to cite yourself.

### Avoid salami-slicing

Or publishing multiple studies from the same data set. You may need to reduce a complex set of distinct hypotheses into separate papers. If so, let the readers know you did this. If the slices can be combined to make a whole, then it is better to go with the whole salami. To learn more about the nuances of "salami-slicing" in your discipline just pop this term into Google scholar and it will open your eyes.

### Self-plagiarism resources


1. Bretag, T. & Mahmud, S. (2009). Self-Plagiarism or Appropriate Textual Re-use? Journal of Academic Ethics, 7:193–205 http://www.springerlink.com.ezproxy1.lib.asu.edu/content/256280445158v940/ [11]
2. Scanlon, P. M. (2007). Song From Myself: An Anatomy of Self-Plagiarism. vol. II. Ann Arbor, MI: Scholarly Publishing Office, University of Michigan Library http://hdl.handle.net/2027/spo.5240451.0002.007 [12] retrieved July 2010


### Plagiarism tutorial

Take the Plagiarism Awareness: Don't Stumble Into It Accidentally! [13] tutorial. Upon completion of the tutorial you will be able to:

- Define and recognize plagiarism.
- Explain the importance of citation in the scholarly environment.
- Demonstrated strategies to avoid unintentional plagiarism.
- Recognize and explain the consequences of plagiarism.

### Resources for citations

Visit the ASU Library citation styles [14] webpage as a reference for citing resources appropriately using APA, MLA, Chicago, or other citation-style guidelines. The site also offers exercises to help you practice the appropriate use of citations.

## Definition of contract cheating

Contract cheating is a type of academic dishonesty where a student asks another person to complete all or part of their work for them. The student may ask someone they know to write a paper for them, as a favor, or they may pay someone to do it. Regardless of whether money changes hands or not, presenting someone else's work as your own is always cheating.

### What are some of the ways contract cheating negatively impacts you and the ASU community?

There are numerous ways in which contract cheating negatively impacts you, your fellow students and the ASU community. Here are a few:

- You do not acquire any of the knowledge that your instructor intended for you to learn when you have someone else do your work. By doing so, you are taking away your opportunity to grow as a student and professional contract cheating is a very serious academic integrity violation which could result in suspension or expulsion permanently from the University.
- Students who complete their work on their own are disadvantaged by students who are cheating.
- When you ask someone to do work for you, you are asking them to cheat on your behalf. Your request for their help will lead to negative consequences for them as well.

### What are some things I can do if I am overwhelmed and notice that I am becoming tempted by contract cheating?

Part of the learning process as a college student is to work your way through challenging times in an honest and ethical manner. Spending time prioritizing your assignments and engaging in good time management practices is ideal. However, you may still experience times where you feel overwhelmed by multiple deadlines and projects.

There are resources to support you:

- Communicate and/or meet with your instructor.
- Schedule an appointment to talk to your advisor.
- Meet with the Academic Integrity Officer [15] in your college/school.
- Utilize your college/school tutoring resources.
- Utilize the ASU resources [16] offered from the Dean of students' office.
- Contact the ASU First Year Success Center [17].
- Contact the International Students and Scholars Center [18].

Remember, it is better to do poorly on an assignment or even fail an examination than it would be to commit an academic integrity violation. The skills you develop working through challenging situations, enhances your resiliency and makes you an even more effective college graduate.

**Source URL:** https://provost.asu.edu/academic-integrity/resources/students

**Links:**
[1] https://provost.asu.edu/sites/default/files/2023-01/academic-integrity-infographic-11x17-web.pdf
[2] https://www.asu.edu/lib/tutorials/rise/academic-integrity/#/
[3] https://provost.asu.edu/academic-integrity/policy
[4] https://www.asu.edu/studentaffairs/studentlife/srr/
[5] https://tutoring.asu.edu/student-services/writing-centers
[6] https://libguides.asu.edu/citing
[7] https://students.asu.edu/academic-success
[8] https://wellness.asu.edu/
[9] https://libguides.asu.edu/citing
[10] https://libguides.asu.edu/CitationManagement
[11] http://www.springerlink.com.ezproxy1.lib.asu.edu/content/256280445158v940/
[12] http://hdl.handle.net/2027/spo.5240451.0002.007
[13] https://www.asu.edu/lib/tutorials/rise/plagiarism-awareness/#/
[14] https://libguides.asu.edu/c.php?g=263988&p=1762933
[15] https://provost.asu.edu/academic-integrity/officers
[16] https://eoss.asu.edu/resources
[17] https://success.asu.edu/
[18] https://issc.asu.edu/

# Accelerated Master's degree

## How to apply

There are thousands of accelerated master's degree options available at ASU. You can choose a master's degree option that's from the same discipline as your undergraduate major or one from a different discipline.

---

### What to expect

The accelerated master's program allows you to take up to 12 credit hours of graduate-level courses as an undergraduate student that count toward both your undergraduate and graduate degree requirements. You should start this process early, as a first-year student or sophomore.

Here is a sample of the milestones you should be achieving each year in order to be on the accelerated path to program completion.

1. Undergraduate first year:
    - Review the Accelerated Master's degree program options.
2. Undergraduate sophomore year:
    - Talk to an academic advisor to discuss your program of interest.
3. Undergraduate junior year:
    - Meet GPA and other requirements specific to your program of interest.
    - Meet with your accelerated program advisor to discuss the application process.

4. Undergraduate senior year:
    - Complete graduate courses and apply for admission to the graduate program.
    - Get admitted to the graduate program and complete your undergraduate degree.
5. Graduate year:
    - Complete your graduate degree program

---

### List of Accelerated Master's program options

Because every program is specialized, the best way to find out if an Accelerated Master's program is right for you is to talk to an advisor. Find the right contact by finding your program of interest from the list of colleges below.

Pre-approved accelerated master's combinations have designated points of contact on both the undergraduate and graduate sites. Select the college below that offers the master's degree you're interested in, find your undergraduate program, and contact the advisor listed to find out how to apply.

- Business, W. P. Carey School of [1]
- Design and the Arts, Herberger Institute for [2]
- Engineering, Ira A. Fulton Schools of [3]
- Global Futures, College of [4]
- Global Management, Thunderbird School of [5]
- Health Solutions, College of [6]
- Integrative Sciences and Arts, College of [7]
- Interdisciplinary Arts and Sciences, New College of [8]
- Journalism and Mass Communication, Walter Cronkite School of [9]
- Liberal Arts and Sciences, The College of [10]
- Nursing and Health Innovation, Edson College of [11]
- Public Service and Community Solutions, Watts College of [12]
- Teachers College, Mary Lou Fulton [13]

**Source URL:** https://acceleratedmasters.asu.edu/how-apply

**Links:**
[1] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/W.P.Carey-Accelerated-Masters.pdf
[2] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/HIDA-Accelerated-Masters.pdf
[3] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/FSE-Accelerated-Masters.pdf
[4] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/GlobalFutures-Accelerated-Masters.pdf
[5] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/Thunderbird-Accelerated-Masters.pdf
[6] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/HealthSolutions-Accelerated-Masters.pdf
[7] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/CISA-Accelerated-Masters.pdf
[8] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/NewCollege-Accelerated-Masters.pdf
[9] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/Cronkite-Accelerated-Masters.pdf
[10] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/TheCollege-Accelerated-Masters.pdf
[11] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/Edson-Accelerated-Masters.pdf
[12] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/Watts-Accelerated-Masters.pdf
[13] https://acceleratedmasters.asu.edu/sites/default/files/2022-09/MLFTC-Accelerated-Masters.pdf

# Attendance

The instructor has full authority to decide whether class attendance is required.

**Source URL:** https://catalog.asu.edu/attendance

# Class participation

Students who receive financial aid are expected to earn their aid by participating in all of their classes every session.

Attending and participating in all of the courses a student is enrolled in not only ensures that they are getting the most out of the college experience, but it also helps students remain eligible for financial aid. Students must show participation in their courses by the 21st day after the course start date. If a student's participation is not confirmed by the 21st day of class, their aid may be reduced or canceled, and they may be required to pay for charges without aid.

Watch video: About confirmation of participation [1]

## Confirming class participation

### How does a student confirm participation?

- Completing a survey in My ASU. This is the simplest way to confirm participation. Survey links will be available seven days after classes begin. You can access the surveys you need to complete next to each course listed in the My Courses box in My ASU. You will also see a task listed in your Priority Tasks box.

### How do I know if my participation still needs to be confirmed?

- A Priority task in My ASU will link you to the participation survey(s) you need to complete. You will be notified by ASU email only if your participation has not been confirmed. After the 21st day, if you still have not participated in a course, your aid may be reduced or canceled. You will see this change in the Finances tab in My ASU almost immediately.

## Student FAQs

**How do I confirm my participation?**
Students, follow these steps to complete a quick survey that confirms participation:

- Log in to My ASU [2].
- Visit My Classes on the left side of your home page.
- Click the $ icon next to each class.
- Complete the survey.

Click Submit.

**Why the 21st day?**
The Department of Education requires early participation in order to ensure students earn the financial aid eligibility for the class.

**Why does ASU confirm participation?**
Confirmation of participation helps ASU administer financial aid within the regulations established by the Department of Education. By confirming participation, ASU helps students stay on track to earn financial aid for the semester and keep their financial aid to pay charges.

**Do I have to do this every session?**
Yes. ASU must confirm participation for each class for each session start.

**What happens if I don’t participate by the 21st day?**
If you are a loan recipient, your loans will be returned if you do not participate in at least one course.

If you are a Pell, Supplemental Education Opportunity Grant (SEOG) or Teacher Education Assistance for College and Higher Education (TEACH) grant recipient, your full grant amount will be canceled if you do not demonstrate participation in every course you are enrolled in,

In either case, the funds may be returned, any funds already disbursed to you will need to be paid back, and you will need to pay your charges without that aid.

**What happens if my loans were returned and I don’t plan on enrolling for any more courses?**
If you do not enroll in more courses, you will be responsible for your bill.

**My loans were returned but I am going to register for more courses.**
If you enroll in more courses, and participation is confirmed by the 21st day of those courses, you will have aid eligibility reinstated for future sessions you are participating in, as long as you’re attending at least half time for the semester (6 credits for undergraduates, 5 credits for graduates).

**Will I be dropped from courses?**
No. You will remain enrolled in the courses, but your aid will be reduced or canceled and you will be billed for your charges.

**When does confirmation of participation start?**
This requirement applies to all students receiving financial aid, beginning fall 2022.

**I was going to participate, I just haven't yet. Can I get my aid back?**
If you haven't participated in a course by the 21st day, and are still enrolled in the course, you can still complete a course survey to have your aid reinstated. Course surveys will remain posted in My ASU through the end of the term, as long as you are still enrolled in the course. Aid will be automatically reinstated once you complete the survey.

**How does this affect my other financial aid, ie: private scholarships, etc…?**
The confirmation of participation standard applies to all financial aid. Check your course list in My ASU [3] and complete the survey for any course that has the dollar sign icon next to it.

**Who can I contact with questions?**
You can email participation@asu.edu [4] with questions about this federal financial aid policy.

## Faculty FAQs

**What is confirmation of participation?**
ASU must confirm students are participating in their courses to ensure eligibility for the financial aid they have been awarded for the semester.

**What are the consequences for students who don't participate?**
Students who are reported as "not participating" in the courses for which financial aid was awarded will have their aid recalculated and revoked as appropriate, and the student will have to pay back the remaining amount.

**Where do I direct a student who comes to me with questions?**
If a student has questions about their confirmation status, or about the status of their financial aid, direct them to the website [5], or they may email questions to participation@asu.edu [4]

**What is my responsibility to confirm a student's participation?**
None. This is for your information only.

**What questions are students asked in the participation survey?**
Question 1: Describe one interesting thing you have learned in this course so far.

Question 2: How do you hope this course will contribute to your broader academic and career goals?

**As the instructor of record, can I have access to how students enrolled in my course(s) answer the participation survey?**
Survey responses will be made available to you in My ASU by the 21st day of courses via a faculty dashboard. You will receive a notification in My ASU when this dashboard is ready to view.

**Will students enrolled in research hours and/or internships be required to demonstrate participation for financial aid purposes?**
Yes. All students who receive financial aid will be required to demonstrate participation.

**How do I share this information with my students?**
You can include the following information in your syllabus or as an announcement in your Canvas course:

Students who receive financial aid are required by the Department of Education to demonstrate participation in courses by the 21st day of classes to maintain their aid. Students will be prompted to confirm their participation through survey links posted in My ASU after the seventh day of classes. You may review details about this financial aid policy at https://tuition.asu.edu/financial-aid/confirmation-of-participation [5].

**Source URL:** https://tuition.asu.edu/financial-aid/confirmation-of-participation

**Links:**
[1] https://www.loom.com/share/b2b1510c9eca4693a4e08a63d1e2622e
[2] https://webapp4.asu.edu/myasu/student
[3] https://my.asu.edu/
[4] participation@asu.edu
[5] https://tuition.asu.edu/financial-aid/confirmation-of-participation

# Classification of courses

## Course numbering system

### Lower-division courses

Lower-division courses, numbered from 100 to 299, are designed primarily for freshmen and sophomores. Certain classes are closed to freshmen who lack the designated prerequisites or whose majors are outside the units offering the courses. This information is available in the course catalog [1] or from the student's academic advisor.

### Upper-division courses

Upper-division courses, numbered from 300 to 499, are designed primarily for juniors and seniors. Prerequisites and other restrictions should be noted before registration. Courses at the 400 level apply to graduate degree requirements for some graduate programs when approved by the Graduate College.

### Graduate-level courses

Graduate-level courses, numbered from 500 to 799, are designed primarily for graduate students. However, an upper-division undergraduate student may enroll in courses numbered 500-599 with the approval of the student's advisor, course instructor, department chair and dean of the college in which a course is offered. If such a course does not meet an undergraduate graduation requirement, it may be eligible for use in a future graduate program on the same basis as work taken by a nondegree graduate student. Undergraduate students should review additional information about graduate credits earned by undergraduate students [2].

### Omnibus courses

Omnibus numbers are used for courses offered on an experimental or tutorial basis or for courses in which the content is new or periodically changes. Each academic unit uses that unit's prefixes with omnibus course numbers. The general nature of the work required for a particular omnibus course is consistent from unit to unit but subject matter varies. Omnibus courses often are offered for a variable number of credit hours.

Within the academic catalog and course catalog, abbreviations are frequently used with a colon to introduce specific omnibus course topics, which are shown in the omnibus course abbreviations chart below (e.g., MGT 494 ST: Cultural Factors in International Business).

| Omnibus Course Abbreviations | | |
|---|---|---|
| **Abbreviation** | **Title** | **Number** |
| AP | Applied Project | 593, 693, 793 |
| CW | Conference and Workshop | 594 |
| FW | Fieldwork | 583, 683, 783 |
| FYS | First-Year Seminar | 191 |
| HC | Honors Colloquium | 497 |
| I | Internship | 484, 584, 684, 784 |
| P | Practicum | 580, 680, 780 |
| PS | Pro-Seminar | 498 |
| R | Research | 592, 692, 792 |
| RC | Reading and Conference | 590, 690, 790 |
| RM | Research Methods | 500, 600, 700 |
| S | Seminar | 591, 691, 791 |
| ST | Special Topics | 194, 294, 394, 494, 598 |

## Omnibus undergraduate courses

**191 First-Year Seminar (1-3)**
Small course emphasizing student-faculty discussion and interaction.

**194, 294, 394, 494 Special Topics (0.25-4)**
Covers topics of immediate or special interest to a faculty member and students.

**484 Internship (1-12)**
Structured practical experience following a contract or plan, supervised by faculty and practitioners.

**498 Pro-Seminar (1-7)**
Small-group study and research for advanced students within their majors.

**499 Individualized Instruction (1-3)**
Provides an opportunity for original study or investigation in the major or field of specialization, on an individual and more autonomous basis.

## Honors Courses

These courses and all with the HON prefix are reserved for students in Barrett, The Honors College.

**298 Honors Directed Study (1-6)**
Independent study or practicum under the supervision of a faculty member.

**492 Honors Directed Study (1-6)**
Independent study in which a student, under the supervision of a faculty member, conducts research or creative work that is expected to lead to an undergraduate honors thesis or creative project.

**493 Honors Thesis (1-6)**

Supervised research or creative activity focused on preparation and completion of an undergraduate honors thesis or creative project.

**497 Honors Colloquium (1-6)**
A class emphasizing discussion, written and/or oral presentation by students, and active participation.

## Omnibus graduate courses

The following courses are described in the Graduate College announcements and are also available from the respective departments. Under special circumstances, at the dean's request and through the approval of the executive vice president and provost of the university, arrangements may be made to increase the standard number of credit hours.

**500, 600, 700 Research Methods (1-12)**
Course on research methods in a specific discipline.

**580, 680, 780 Practicum (1-12)**
Structured practical experience in a professional program, supervised by a practitioner or faculty member with whom the student works closely.

**583, 683, 783 Fieldwork (1-12)**
Structured, supervised field experience in a field science or other discipline requiring experience in field techniques.

**584, 684, 784 Internship (1-12)**
Structured practical experience following a contract or plan, supervised by faculty and practitioners.

**590, 690, 790 Reading and Conference (1-12)**
Independent study in which a student meets regularly with a faculty member to discuss assignments. Course may include such assignments as intensive reading in a specialized area, writing a synthesis of literature on a specified topic or writing a literature review of a topic.

**591, 691, 791 Seminar (1-12)**
A small class emphasizing discussion, presentations by students and written research papers.

**592, 692 Research (1-12)**
Independent study in which a student, under the supervision of a faculty member, conducts research that is expected to lead to a specific project such as a thesis or dissertation, report, or publication. Assignments might include data collection, experimental work, data analysis or preparation of a manuscript.

**593, 693, 793 Applied Project (1-12)**
Preparation of a supervised applied project that is a graduation requirement in some professional majors.

**594 Conference and Workshop (1-12)**
Topical instruction, usually in compressed format, leading to academic credit. Often offered off campus to groups of professionals.

**595, 695, 795 Continuing Registration (1)**
Used in situations where registration is necessary but where credit is not needed. Replaces arbitrary enrollment in reading and conference, research, thesis, dissertation, etc. Used by students when taking comprehensive examinations, defending theses or dissertations, or fulfilling the continuous enrollment requirement in doctoral programs. Credit is not awarded and no grade is assigned.

**598 Special Topics (1-4)**
Topical courses not offered in regular course rotation (e.g., new courses not in the catalog, courses by visiting faculty, courses on timely topics and highly specialized courses responding to unique student demand).

**599 Thesis (1-12)**
Supervised research focused on preparation of a thesis, including literature review, research, data collection and analysis, and writing.

**792 Research (1-15)**

Independent study in which a student, under the supervision of a faculty member, conducts research that is expected to lead to a specific project such as a dissertation, report or publication. Assignments might include data collection, experimental work, data analysis or preparation of a manuscript.

**799 Dissertation (1-15)**
Supervised research focused on preparation of a dissertation, including literature review, research, data collection and analysis, and writing.

### Other prefixes

#### Visiting student program

The numbers 597, 697 and 797 in the LAW prefix have been reserved for the visiting student program in the Sandra Day O'Connor College of Law.

#### Global education programs

Courses with the prefix SAO are reserved for participants in programs offered through the Global Education Office [3]. Courses with an SAO prefix are used in two ways: either to provide general university elective credit for specific programs or courses or as a placeholder course for participation in partnership and exchange programs.

In the case of a placeholder course, the course remains on the student's academic record until the student's record is updated by the Global Education Office following completion of the student's study abroad program. The SAO-prefixed course will be dropped from the student's record and replaced with the ASU courses, credits and grades equivalent to the coursework completed abroad. Students must register for at least the number of credit hours equivalent to full-time study at ASU (i.e., 12 credit hours for undergraduate students and nine credit hours for graduate students during the fall and spring semesters, or one to six credit hours during the summer session). Students participating in a GEO partnership program must register for the subtopic "SAO: Study Abroad Program," whereas participants in an GEO exchange program must register for the subtopic "SAO: Exchange Program." The SAO placeholder course is not an indication of the level of coursework or the total number of credit hours the student may complete abroad.

Courses completed as part of these programs that do not have direct ASU course equivalencies are awarded "Department Elective" credit, using a respective subject with a course number of 1DE, 2DE, 3DE or 4DE. Lower-division courses at the 100-level are given 1DE, and 200-level are given 2DE. Upper-division courses at the 300-level are given 3DE, and 400-level are given 4DE.

Source URL: https://catalog.asu.edu/course_classification

[1] https://catalog.apps.asu.edu/catalog/courses
[2] https://catalog.asu.edu/course_load
[3] https://goglobal.asu.edu/

# Distance education-specific policies

## University policies

The U.S. Department of Education requires that certain information be disclosed in a clear, prominent, user-friendly and easily understood manner. The intent of the requirement is to enable students to make an informed choice.

Learn about complaint filing and resolution at Arizona State University, as well as out-of-state student policies, international students policies, and credit transfer and refund policies below.

## ASU complaint procedure

ASU is committed to the success of each student and strives to resolve issues that may arise. All ASU distance education students should attempt to resolve complaints with the university through the university process first before contacting external agencies.

Available processes and links to policies and contacts are listed below.

## University process

ASU greatly values the student experience and expects all students to adhere to the Student Code of Conduct [1]. Please refer to the Student Code of Conduct for student expectations and rights.

When an issue is brought to our attention, ASU takes appropriate action to seek resolution.

### Academic issues

For academic concerns, a student is encouraged to first speak with the course instructor. If an issue cannot be resolved at that level, a student may contact the appropriate college or school for guidance on how to proceed. Please refer to our list of colleges and schools [2] for more information.

### Non-academic issues

For non-academic concerns, please contact the Dean of Students [3]. The Office of Student Rights and Responsibilities is responsible for reviewing and handling student disciplinary incident reports.

## Non-academic issues not resolved by the university process

ASU is an institutional participant of the State Authorization Reciprocity Agreement (SARA). If an issue has not been satisfactorily resolved through the university's internal process, a distance education student may submit a non-academic complaint to the Arizona SARA Council by filing a complaint form [4].

Instructional complaints, such as grade grievances, are not reviewed by the council and should not be submitted for resolution.

Students located in American Samoa, California and Guam may not submit a complaint to the council. These territories and states do not participate in SARA.

## Other agencies

A student may contact higher education regulatory agencies, accrediting agencies or consumer protection agencies for specific issues that are unresolved through the university process.

### Arizona Board of Regents

If an issue submitted by a student is unresolved and involves a complaint arising under state law, an Arizona Board of Regents policy or any other matter, the student may contact the Arizona Board of Regents [5] (in accordance with 75 Fed. Reg. 66865-66, October 29, 2010).

### Accrediting agencies

ASU is accredited by the Higher Learning Commission (HLC) [6]. If an issue is unable to be resolved through the university process, a student may follow the HLC complaint process [7].

For specialized accreditation, please see this page [8].

# Overview

## International students

ASU works to provide global access to its online degree programs. While requirements related to authorization and licensure are carefully tracked, it is the student's responsibility to understand the requirements for whether an online degree will be recognized in the country in which the student intends to work; how the collection of student data may be used in that country; and whether there are any tax implications in addition to the price of tuition.

Several countries will not formally recognize foreign online degrees, which may have implications for students who later seek to enroll in other educational programs, or for those who seek employment in another country's government or employers requiring specific credentials. International students considering an academic program that leads to a professional license should first confirm with the appropriate professional licensing board in the country in which the student intends to work as to whether a degree from ASU is recognized when seeking licensure or certification.

## Professional licensure

There are certain careers or fields that require professional license to practice, and licensure requirements vary by state. ASU's professional licensure programs are designed to prepare students for a license in the State of Arizona. Students who wish to practice in a state other than Arizona should check the professional licensure each session for the most up-to-date information.

Professional licensure info [9]

## Residency and student location

Course and program availability varies by state. Admission into a program is granted at the time of initial acceptance into the program and is dependent on program availability in the state where the student **is physically located** at the time of admission.

If a student moves to a different state after admission to the program, continuation within the program will depend on the availability of the program within the new state where the student is physically present. Relocating may impact whether a student can remain in the program, meet the state licensure requirements and/or continue to receive financial aid funding. Prior to considering relocation, please contact your program advisor to discuss authorization and licensure eligibility requirements. It is the student's responsibility to notify the institution of a change in physical location.

**MILITARY PERSONNEL:** The state where military personnel are stationed will determine whether they may enroll or continue in an ASU Online program.

## Transfer of credit

ASU does not imply, promise or guarantee that credits earned at the university will transfer to other institutions, since such determinations are made according to the policies of the receiving institution. If a student is considering transferring to another school, prior to such transfer, the student will need to work with that school to determine if ASU's academic credits will be accepted.

Some medical schools and other health science schools may require additional information for alternative classroom experiences, such as online courses. Students may be asked to provide detailed information about the course or courses that transfer credit is being sought for and provide evidence to the requesting institution of the textbook and topics covered that can be found in a complete syllabus.

Learn more about being a transfer student [10]

# Questions about university policies?

For additional information, please email: askcompliance@asu.edu [11]

**Source URL:** https://asuonline.asu.edu/about-us/policies/

**Links:**
[1] https://eoss.asu.edu/dos/srr/codeofconduct
[2] https://www.asu.edu/about/colleges-and-schools
[3] https://eoss.asu.edu/dos/srr/filingreport
[4] https://azsara.arizona.edu/complaints
[5] https://www.azregents.edu/
[6] https://www.hlcommission.org/
[7] https://www.hlcommission.org/Student-Resources/complaints.html
[8] https://provost.asu.edu/accreditation/programs-specialized-accreditation
[9] https://admission.asu.edu/academics/licensure
[10] https://asuonline.asu.edu/admission/transfer/
[11] askcompliance@asu.edu

# Drop, add and withdrawal

## How to drop, add and withdraw

### How to add a class

The easiest way to add a class is by signing into My ASU [1], clicking on the Registration link in your My Classes box, and selecting Add. You may add a class to your schedule up until the add deadline for that class.

Adding a class after the add deadline is considered a Late Add [2] and requires instructor, department and college approval.

Policies and procedures for late adds vary by college/school, click here [2] for detailed instructions.

### Dropping/withdrawing from a class

Beginning Fall 2023, the drop deadline and add deadline will be distinct. If you drop a class by the drop deadline, you may be eligible for a 100% refund of your tuition for that class.

#### How to drop/withdraw from a class

You may remove a class from your current schedule by dropping/withdrawing from it up until the appropriate deadline for that class. You can request a drop/withdrawal from a class by signing into My ASU [1], clicking on the Registration link in your My Classes box, and selecting Drop/Withdrawal. Please refer to the Tuition Refund Policy [3] to determine if dropping or withdrawing from classes will generate a tuition refund. The timing of when you make your request determines whether it is a drop or a withdrawal.

**Before the drop deadline**
A drop/withdrawal request made prior to the drop deadline for your class will be considered a drop. A drop will remove the class from your current schedule with no record of your enrollment in the class on your official transcript. Beginning Fall 2023, dropping a course by the drop deadline may generate a 100% tuition refund for that class.

**After the drop deadline**
A drop/withdrawal request made after the drop deadline but before the course withdrawal deadline for your class will be considered a withdrawal. A withdrawal will remove the class from your current schedule and will result in a grade of ‘W’ on your official transcript. The grade of ‘W’ has no impact on your GPA.

### Swapping classes

#### How to swap classes

You may simultaneously add a class while dropping another by swapping them. You can swap classes by signing into My ASU [1], clicking on the “Registration” link in your My Classes box, and selecting “Swap.” A swap will not drop you from your original class unless your add request was successful. This is especially helpful when attempting to switch from one section of a class to another section of the same class. A swap must be completed by the appropriate add deadline for that class.

### Complete session drop/withdrawal

#### How to completely withdraw from classes

If you no longer plan on attending or completing your classes in a given session, you can remove all of them from your current schedule by requesting a complete session drop/withdrawal up until the appropriate complete withdrawal deadline. This should be viewed as a last resort as there may be serious academic and financial consequences. Please refer to the Tuition Refund Policy [3] to determine if dropping/withdrawing from classes will generate a tuition refund. The timing of your request determines whether it is a drop or a withdrawal.

**Before drop deadline**
A complete session drop/withdrawal request made prior to the drop deadline for your classes will be considered a complete session drop. A drop will remove the class(es) from your current schedule with no record of your enrollment in the class(es) on your official transcript.

**After the drop deadline**
A complete session drop/withdrawal request made after the drop deadline for your classes will be considered a complete session withdrawal. A withdrawal will remove the classes from your current schedule and will result in a grade of 'W' on your official transcript for each class withdrawn. The grade of 'W' has no impact on your GPA.

The process for requesting a complete session drop/withdrawal will depend on whether you are an undergraduate or a graduate student.

**Undergraduate students**
Requesting a complete session drop/withdrawal is an important decision as it may result in serious academic and financial consequences. If you have questions about withdrawing or the academic or financial consequences of withdrawing, contact your college/school [4] to discuss your situation. The timing of your request will determine the impact it will have as well as the steps you will need to take to complete the process.

- Before the start of the fall or spring semesters (or anytime during a summer session) you may request a complete session drop/withdrawal by signing into My ASU [1], clicking on the "Registration" link in your My Classes box, and selecting "Drop/Withdrawal."
- After the start of the fall or spring semesters, contact your college/school [4] for more information.

**Graduate students**
You may request a complete session drop/withdrawal by signing into My ASU [1], clicking on the "Registration" link in your My Classes box, and selecting "Drop/Withdrawal."

## Other types of drops/withdrawals

This section covers special types of drops/withdrawals due to extenuating circumstances (such as a personal mental/physical condition, death or serious illness of a family member or close friend, or military duty/activation), lack of attendance or disruptive behavior.

### Medical/compassionate withdrawal

You may be eligible for a medical/compassionate withdrawal if your withdrawal is due to extenuating circumstances such as a serious physical or mental illness (medical withdrawal) or the death/serious illness of a family member (compassionate withdrawal). To request a medical/compassionate withdrawal, you must submit a Request for Documented Medical/Compassionate Withdrawal [5] form along with appropriate documentation to the college of your major. Approved medical/compassionate withdrawals may generate tuition refund if approved within two years of the end of the semester, please see the Tuition Refund Policy [3] for more information.

### Military activation withdrawal

A student who is a member (or the spouse of a member) of the National Guard, Reserve, or other U.S. Armed Forces branch and is unable to complete classes because of military activation, may request complete withdrawal or course withdrawals, incompletes, or grades, depending on the timing of the activation and the individual student's needs. Absences resulting from military activation will not adversely affect a student's catalog year.

To receive consideration under the military activation policy, a student should complete a Military Activation Form [6] and return the completed form, along with a copy of the military activation order, to the Pat Tillman Veterans Center. The Pat Tillman Veterans Center staff will coordinate the processing of the form for the student, including verification of orders, counseling on available options, referrals to academic departments, referrals or notification to offices regarding potential refunds, and initiation of processing administrative withdrawals or incomplete grades.

### Instructor-initiated drop

Instructors have full authority within departmental or other higher-level policies to decide whether or not class attendance is required. If you are unable to attend class it is your responsibility to notify your instructors and/or follow their attendance policy. If you are absent from class through the second week of classes (for a fall or spring semester) or the first four days

of a summer session, your instructors may exercise the option to drop you from the class (this is often done to create an open seat for another student wishing to add the class).

Please be aware that nonattendance will not automatically result in you being dropped from a class. Instructors have the right to exercise this option at their discretion. If you are unable to attend or complete a class it is your responsibility to drop/withdraw from the class prior to the appropriate deadline.

Instructor-initiated drops for nonattendance must be based upon concrete evidence of nonattendance and be signed by the Dean or Dean's Designee of the college offering the class. The college will notify students that they have been dropped for nonattendance by mail at the students' currently posted mailing address. Nothing in this policy contradicts any other policy regarding attendance, religious holidays or the students' responsibility to notify instructors in case of their absences.

### Instructor-initiated withdrawal

Instructor-initiated withdrawals are made when an instructor withdraws a student from a class with a grade of "W" or "E" in cases of disruptive behavior.

## Add, drop and withdrawal deadlines

Registration deadlines determine the last day you are able to add, drop or withdraw from classes. Each class has its own set of registration deadlines which are based on the length of the class as well as the session in which the class is held. The individual add, drop and withdrawal deadlines listed on the Academic Calendar [7] apply to classes scheduled in the regular A/B/C sessions. If your class does not follow the A/B/C session timelines, the individual add, drop and withdrawal deadlines are prorated. The best way to determine the registration deadlines for a class you are registered for is to sign in to My ASU [1] and click on the calendar icon next to the class in the My Classes box. To determine the registration deadlines for a class you have not yet registered for, use the online Class Search and Course Catalog [8] to search for the class and click on the Dates column in the search results.

### Add deadline

This is the last day to add a class. Adding a class after the deadline is considered a Late Add and requires instructor, department, and college approval.

### Drop deadline

This is the last day to drop a class without receiving a grade of "W" on your transcript. All withdrawals after this date will result in a grade of "W" on your transcript for each class withdrawn.

### Course withdrawal deadline

This is the last day to request a withdrawal from a class while staying enrolled in other classes in the same session. A withdrawal from a class after this date is only available as part of a complete session withdrawal (see below).

### Complete session withdrawal deadline

This is the last day to request a complete withdrawal from a session. As part of a complete session withdrawal you must withdraw from all of your classes in the session. Beginning the first day of the fall and spring semesters undergraduate students are required to contact their college/school [4] to facilitate the withdrawal process.

## Editing a class

Some classes allow you to select the number of credit hours, grading basis, and instructor for the class. If you are registered for one of these classes you may edit these options by signing into My ASU [1], clicking on the Registration link in the My Classes box, and selecting Edit.

Registration and Tuition Payment Guide [10]

Enrollment Request Forms [11]

Contact University Registrar Services [12]

**Source URL:** https://students.asu.edu/drop-add

**Links:**
[1] http://my.asu.edu/
[2] https://students.asu.edu/lateregistration/all
[3] https://students.asu.edu/tuitionrefundpolicy
[4] https://students.asu.edu/forms/withdrawal
[5] https://students.asu.edu/forms/medical-compassionate-withdrawal-request
[6] https://students.asu.edu/forms/military-activation-form
[7] https://students.asu.edu/academic-calendar
[8] https://webapp4.asu.edu/catalog/
[9] https://students.asu.edu/late-registration
[10] https://students.asu.edu/registration-and-tuition-payment-guide
[11] https://students.asu.edu/forms/registration
[12] https://students.asu.edu/contact/office-university-registrar

## Complete session withdrawal

A complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences.

### Undergraduate students

Beginning the first day of the fall and spring semesters, you are required to connect with your college/school of your major to facilitate the withdrawal process. Select your college or school below for instructions regarding the complete withdrawal process.

The College of Liberal Arts and Sciences [1]
Edson College of Nursing and Health Innovation [2]
Herberger Institute for Design and the Arts [3]
Ira A. Fulton Schools of Engineering [4]
Mary Lou Fulton Teachers College [5]
New College of Interdisciplinary Arts and Sciences [6]
College of Integrative Sciences and Arts [7]
College of Global Futures [8]
College of Health Solutions [9]
Thunderbird School of Global Management [10]
Walter Cronkite School of Journalism and Mass Communication [11]
Watts College of Public Service and Community Solutions [12]
W. P. Carey School of Business [13]
University College [14]

---

During the fall or spring semester, submit your withdrawal request by signing in to My ASU [15], click on the Registration link in your My Classes box, and select Drop/Withdrawal. Your request will be electronically routed to your college or department for review and next steps. If the semester has not yet begun, or you wish to withdraw from a summer session, sign in to My ASU [15], click on the Registration link in your My Classes box, and select Drop/Withdrawal and follow the steps to withdraw from your classes.

### Graduate students

You may request a complete session drop/withdrawal by signing in to My ASU [15], clicking on the Registration link in your My Classes box, and selecting Drop/Withdrawal, or by submitting the Complete Session Withdrawal [16] form to any University Registrar Services office location [17]. Be sure to review the Graduate College's continuous enrollment policy [18] and discuss your withdrawal with your program advisor, if needed.

Please refer to the Tuition Refund Policy [19] to determine if dropping/withdrawing from classes will generate a tuition refund.

## ASU support resources & options

**Withdrawing from one or two classes (course withdrawal)**
After the drop, add deadline through the course withdrawal deadline for a class, students can withdraw from the class while remaining enrolled in other classes. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements.

**Medical/compassionate withdrawal**
Medical/Compassionate withdrawals are available for students needing to withdraw from one or more classes due to a personal mental/physical health condition or the death or serious illness of a family member/close friend. More information concerning medical/compassionate withdrawal requests can be found here [20].

**Tutoring & academic support services**
ASU tutoring centers provide a variety of services to help students become better learners and gain the confidence and skills to achieve their academic goals. Services include: writing centers, math tutoring, subject area tutoring, and supplemental instruction. More information about tutoring centers can be found here [21].

**ASU counseling services**
Counseling and mental health services are provided at each of the four ASU campuses. ASU students may seek services at any of the campus counseling centers, regardless of their college affiliation. ASU Counseling Services locations and contact information can be found here [22].

**"I" (incomplete) grade**
If approved, a mark of "I" (Incomplete) may be given by the instructor when students are otherwise doing acceptable work but are unable to complete the class because of illness or other conditions beyond their control. Students interested in incompletes should discuss this option with their instructors and arrange for the completion of the class requirements.

## Possible consequences resulting from a complete session withdrawal:

- **Financial aid:** Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal on financial aid depends on when the withdrawal is dated and the type of financial aid. More information concerning the return of financial aid is available here [23].
- **Tuition and refunds:** The date of a complete withdrawal will determine whether or not a tuition refund will be generated. Please review the Tuition Refund Policy [19] for more information.
- **Health Insurance:** Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- **Residential Life:** Students who live on campus should contact their residential hall community staff to determine what impact withdrawing will have on their eligibility to live on campus, to complete a License Agreement Release (LAR) form, and to arrange an appointment to officially check out. More information concerning housing cancellations is available here [24].
- **Veteran Benefits & Certifications:** Students should contact the appropriate Veteran Benefits & Certifications office to discuss information regarding veterans' educational benefits and/or military activation. Veteran Benefits & Certifications office locations and contact information can be found here [25].

For more information on Complete Withdrawals, contact University Registrar Services at registrar@asu.edu [26] or 480-965-3124.

**Source URL**: https://students.asu.edu/forms/withdrawal

**Links:**
[1] https://students.asu.edu/Session_Withdrawal/the-college
[2] https://students.asu.edu/Complete_Session_Withdrawal_Information/CONHI
[3] https://students.asu.edu/Complete_Session_Withdrawal_Information/Herberger
[4] https://students.asu.edu/Complete_Session_Withdrawal_Information/Fulton
[5] https://students.asu.edu/Complete_Session_Withdrawal_Information/MLFTC
[6] https://students.asu.edu/Complete_Session_Withdrawal_Information/New_College
[7] https://students.asu.edu/Complete_Session_Withdrawal_Information/SLS
[8] https://students.asu.edu/Session_Withdrawal/CGF
[9] https://students.asu.edu/Complete_Session_Withdrawal_Information/CHS
[10] https://students.asu.edu/Complete_Session_Withdrawal_Information/Thunderbird
[11] https://students.asu.edu/Complete_Session_Withdrawal_Information/Cronkite

[12] https://students.asu.edu/Complete_Session_Withdrawal_Information/COPP
[13] https://students.asu.edu/Complete_Session_Withdrawal_Information/WP_Carey
[14] https://students.asu.edu/Complete_Session_Withdrawal_Information/UC
[15] http://my.asu.edu/
[16] https://students.asu.edu/sites/default/files/completesessionwithdrawal_nov5_2020.pdf
[17] https://students.asu.edu/contact/office-university-registrar
[18] https://graduate.asu.edu/key-policies
[19] https://students.asu.edu/tuitionrefundpolicy
[20] https://students.asu.edu/forms/medical-compassionate-withdrawal-request
[21] https://students.asu.edu/academic-success
[22] http://eoss.asu.edu/counseling
[23] https://students.asu.edu/policies/fa-withdrawal
[24] https://housing.asu.edu/contact-us/faq
[25] https://veterans.asu.edu/
[26] mailto:registrar@asu.edu

# Enrollment and degree verification

Arizona State University is frequently asked to certify a student's earned degrees and/or enrollment status (full-time, part-time, etc.). Enrollment status is determined by the number of credits for which a student is enrolled during the term in which certification is requested. Courses a student has withdrawn from are not included. Classes taken for audit are included in total enrolled hours. A student’s enrollment status is also based on university policy and federal regulations.

ASU reports enrollment status (i.e., full-time, half-time) to the National Student Clearinghouse multiple times each semester. The enrollment statuses reported are based on federal regulations and are defined in the financial aid load tables below.

## Obtain an enrollment or degree verification as a current or former student:

1. Log in to My ASU [1] and navigate to the My Classes box
2. Select Grades & Transcripts
3. Select Transcripts & Test Scores
4. Select Enrollment Verification

If you need special information on your Enrollment Verification, or if you need a specialty verification form completed such as the Canadian or Alaskan form, submit an Enrollment Verification Request [2] form at any University Registrar Services location [3] (photo ID required for in-person visits). Requests by email, mail or fax must include the student's verifiable signature. Please allow up to two business days for processing.

For students that attended the Thunderbird School of Global Management prior to December 31, 2014, information on how to obtain verification of your Thunderbird coursework or degree can be found here [4].

## Enrollment & degree verification for outside agencies and third parties

ASU has contracted with the National Student Clearinghouse [5] to process all enrollment and degree verification requests for employers, employment agencies, background search firms, and various other businesses that offer products or services based on the individual's status as an enrolled student.

- If you need assistance, contact National Student Clearinghouse [5] directly at 703-742-4200.
- If the National Student Clearinghouse can confirm the degree or enrollment, the response is immediate and requestors will be able to print or obtain a PDF version of the verification.
- Enrollment verifications for each term will be available starting the first week of classes for that term.
- A fee will be charged for this service.

## Enrollment status defined

### Undergraduate students

#### Academic load

| Term | Full-time | 3/4 time | Half time | Less than half time |
|---|---|---|---|---|
| Fall & Spring | 12+ credits | 9-11 credits | 6-8 credits | 1-5 credits |
| Summer | 4+ credits | N/A | 2-3 credits | 1 credit |

#### Financial aid load

| Term | Full-time | 3/4 time | Half time | Less than half time |
|---|---|---|---|---|
| Fall & Spring | 12+ credits | 9-11 credits | 6-8 credits | 1-5 credits |
| Summer | 12+ credits | 9-11 credits | 6-8 credits | 1-5 credits |

### Graduate & law students

#### Academic load

| Term | Full-time | 3/4 time | Half time | Less than half time |
|---|---|---|---|---|
| Fall & Spring | 9+ credits | 7-8 credits | 5-6 credits | 1-4 credits |
| Summer | 3+ credits | N/A | 2 credits | 1 credit |

#### Financial aid load

| Term | Full-time | 3/4 time | Half time | Less than half time |
|---|---|---|---|---|
| Fall & Spring | 9+ credits | 7-8 credits | 5-6 credits | 1-4 credits |
| Summer | 9+ credits | 7-8 credits | 5-6 credits | 1-4 credits |

**Financial Aid Recipients:** Full-time and half-time credit requirements may be different for financial aid disbursement purposes. Please review the Award Disbursement Rules [6] to determine the required enrolled hours needed for financial aid disbursement.

**Co-Operative Education:** Students are required to be enrolled in a designated co-op course within their college for a minimum of one credit hour during the co-op semester. Co-op students will be identified for enrollment verification purposes as being in full-time status. This will include verification to the National Student Clearinghouse for loan deferment purposes. The co-op experience must meet the clock time in hours of work to meet the full- time enrollment requirement, as monitored by the student's college. A credit hour is defined as a minimum of 45 clock hours. Please review the Award Disbursement Rules [6] to determine the required enrolled hours needed for financial aid disbursement.

If you have questions or need additional information, please contact University Registrar Services, Records & Enrollment Services at registrar@asu.edu [7].

**Source URL:** https://students.asu.edu/enrollment-verification

**Links:**
[1] https://webapp4.asu.edu/myasu/
[2] http://students.asu.edu/forms/enrollment-verification
[3] http://students.asu.edu/contact/office-university-registrar
[4] https://asu.secure.force.com/kb/articles/FAQ/How-Do-I-Request-Thunderbird-School-of-Global-Management-Enrollment-and-Degree-Verification/?q=thunderbird+enrollment&l=en_US&fs=Search&pn=1
[5] http://www.studentclearinghouse.org/
[6] https://tuition.asu.edu/financial-aid/disbursement
[7] mailto:registrar@asu.edu

# Glossary of academic terms

## Student academic status terms

**University Academic Good Standing (Undergraduate) [1]**
2.00 cumulative GPA

- College-specific academic good standing rules can be developed. Example: W. P. Carey School of Business Academic Good Standing. Use the college name in a policy title to differentiate it from university policy.

**University Academic Warning**
An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester (fall or spring) is considered to be in the status of university academic warning.

**University Academic Probation** [2]
An undergraduate student is placed on university academic probation if, at the end of a semester (fall or spring) that is not the student's first semester at ASU, the student has a cumulative GPA of less than 2.00, or the student received an academic warning in the prior term.

- Colleges may establish specific criteria for their own academic probation status, to be defined as "College Name" academic probation. The college academic probation status may take the place of university academic probation but may not replace the university academic warning. Example: Ira A. Fulton Schools of Engineering academic probation.

**University Continuing Academic Probation [2]**
A student is said to be on university continuing academic probation each semester (fall or spring) that student (previously on university academic probation) earns a semester GPA greater than 2.00, but yet has a cumulative GPA of less than 2.00.

- Colleges may establish individual time limits and specific semester GPA requirements for continuing academic probation, to be defined as "College Name" continuing academic probation.

**Co-enrolled Continuing Probation Program** [3]
Select disqualified students may participate in the co-enrolled continuing probation program at the discretion of their college or school. Under this program, the student takes the academic refresher course UNI 220 Mindset Connections plus one ASU course selected by the student's advisor, and the student co-enrolls at a Maricopa Community College with a schedule selected in consultation with the ASU advisor. If, upon completion of the term, the student has a combined semester cumulative GPA of 2.50, the student may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

**Ineligible**
A college designation for a student on university continuing academic probation who is not permitted to continue in the major based on college-specific academic requirements. The student may remain an ASU student, but is required to change their major. College-specific definitions are located on their college policies [4].

**Disqualified [5]**
A student on university academic probation who does not earn a semester GPA of 2.00 or greater (fall or spring) will be disqualified. Students who are disqualified are not permitted to enroll at ASU in any subsequent fall or spring semester unless they are readmitted.

**Satisfactory progress [6]**
This term is used in different ways for students, such as with regard to financial aid, sponsored international programs, athletics and veterans' benefits. Satisfactory progress is a complex calculation specific to major and situation. This term does not refer to academic standing.

**Progression [6]**
This term refers to how a student meets milestones and degree requirements in movement toward achieving degree completion. This term does not refer to academic standing.

**Quick re-entry** [7]
The term quick re-entry refers to a streamlined process in which students do not need to submit a new application or application fee if they are undergraduate degree-seeking students who previously attended ASU but have not been enrolled at ASU for up to seven consecutive fall or spring semesters. Students absent on military deployment, on service for official church missions, for foreign aid service of the Federal government, or for permanent disability reasons should follow leave of absence [8] procedures.

**Reinstatement [9]**
A student who has previously been academically disqualified and seeks to return either for a fall or spring semester a) immediately or b) after a period of absence and has met college admissions standards.

**Readmitted [10]**
Students not eligible for quick re-entry (i.e., because they have not been enrolled at ASU for seven or more semesters, completed their academic program or were academically disqualified), must apply for readmission and submit applicable fees. Candidates for readmission who are not in academic good standing are subject to college review. A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible.

## eAdvisor terms

**eAdvisor [11]**
A suite of tools used to monitor student progression towards degree completion, including Degree Search, major maps and the tracking of critical and necessary requirements (eight semester tracking application).

**Major map**
A major map is an eight-semester, optimal course plan that outlines a recommended sequence of courses, enabling full-time students to graduate in four years. The major map is posted on a student’s My ASU in the My Programs box under Degree Progress.

**eAdvisor tracking**
ASU’s eAdvisor tracking outlines critical courses, GPA requirements and milestones that predict success in each major and tracks students’ progress toward meeting them. Sometimes called critical tracking, eAdvisor tracking evaluates how a student’s completed courses meet degree requirements in a specific term, including both critical and necessary courses. Students who have not completed critical course requirements for two consecutive fall or spring semesters may be required to change their major.

**Critical requirement [12]**
As identified on the major map, as a curricular or noncurricular degree requirement that the faculty have identified as critical predictors of success in a specific major. Critical requirements can be courses, grades, GPAs or noncurricular requirements such as submitting a fingerprint clearance card. Critical requirements appear in terms 1-4.

**Necessary requirement**
As identified on the major map, as a curricular or noncurricular degree requirement that the faculty have identified as necessary for timely completion of degree requirements. Necessary requirements appear in terms 5-8.

**Off track**
This refers to a student who has not met one or more critical requirements as stated in terms 1-4, or one or more necessary requirements in terms 5-8 of their major map in a given fall or spring semester.

**Twice off track**
This refers to a student who has not met one or more critical requirements as stated in terms 1-4 of their major map in two consecutive fall or spring semesters. Students who are twice off track may be required to change their major.

**On track**
This refers to a student who has met all critical requirements identified in terms 1-4 or all necessary requirements in terms 5-8 of the major map in the current term and previous terms against which they are being evaluated.

**Academic Status Reports**
ASRs allow faculty to provide weekly feedback to students regarding class performance. Through My ASU [12] students see an indicator notifying them that they have received an ASR, which can include suggested follow-up items and information about academic resources so that they can get the help they need to be successful.

**Academic support team**
Each student has an academic advising committee that helps them set personal academic goals, understand policies and create strategies for staying on track toward graduation. The committee is listed on the student's My ASU page. Also included is information about how advising services work in the student's department, how to get answers to advising questions, and how to make an appointment with an advisor.

**Milestone**
This is a curricular or noncurricular requirement that needs to be completed by a specific point in time. Examples: portfolio review or audition.

**Progress reports**
Progress reports from eAdvisor allow students to track their progress through audits available on My ASU [13]. The Graduation Audit (DARS) outlines a complete list of degree requirements, including university graduation requirements, General Studies and major requirements. The DARS Graduation Audit is the official record used to verify degree completion. A major map is an eight-semester, optimal course plan that outlines a recommended sequence of courses, enabling full-time students to graduate in four years.

In addition to traditional progress reports, eAdvisor students can run a critical requirement audit and view their tracking status in My Major Map at any time during the semester. My Major Map, also available on My ASU, provides students the ability to track how their courses are meeting degree requirements as well as their progress toward completing other critical requirements (GPAs and milestones required to stay on track).

A student’s record may change multiple times during the semester because of dropped courses, transferred credit, completed milestones or changed majors. The system accounts for changes to student records and updates eAdvisor status, My Major Map and the DARS Graduation Audit nightly.

**Priority tasks**
eAdvisor places important notes and reminders in the Priority Tasks box on students' My ASU page. If students become off track, an advising hold is placed on their record. While they may drop and withdraw from a course, they will not be able to add courses to the current semester. Students with off-track status will not be able to register for future fall and spring semesters until they have contacted their advisor and discussed strategies for getting back on track. The advisor will then remove the hold. Other tasks, from student support areas such as Financial Aid and the Registrar’s Office will also appear in this box.

## Program and degree terms

**Accelerated master's program [14]**
Accelerated bachelor’s plus master’s degree programs are designed for high-achieving undergraduate students who want the opportunity to share undergraduate coursework with graduate coursework to accelerate completion of their master's degree. These programs feature the same high-quality curriculum taught by ASU's world-renowned faculty. These programs are preapproved combinations and are internal to ASU.

The terms 4+1 and 3+2 have been phased out, effective Fall 2023.

**Concurrent degree** [15]
Internal to the university, two degrees, same level, same time, and may include some shared courses. Concurrent degrees can either be preapproved combinations or unique combinations added by the student through an approval process. Examples: JD/PhD or BS/BSE. Two diplomas are awarded.

**Disestablished program**
A disestablished program is a major, minor or certificate which the institution has chosen to discontinue. Upon the effective term and year of disestablishment, ASU may choose to stop admitting new students into the program. This includes current ASU students seeking to change into the disestablished major, to add the disestablished major as a concurrent degree, or to add the disestablished minor or certificate. Active students in a disestablished program have a period of four academic years to complete the program requirements. This includes active, not enrolled students typically eligible for quick re-entry. Students choosing quick re-entry to the institution after a period of nonenrollment cannot re-enroll in a disestablished program if four academic years have passed since the effective term of disestablishment.

Students who have not completed the requirements for a disestablished program four academic years after disestablishment will be changed administratively to a different major, or have the minor or certificate removed from their record.

**Dual degree**
This is an offering that is both internal and external to ASU. The student pursues two degrees simultaneously, one with ASU and one with an external institution. Example: ASU and Mayo Clinic.

**Joint degree**
Joint programs, or jointly conferred degrees, are a single program of study offered by more than one college at ASU that provide opportunities for students to take advantage of the academic strengths of two or more academic units. Upon graduation, students are awarded one degree and one diploma conferred by both colleges. Both colleges will appear on the transcript and diploma.

**Multiple concentration**
Internal to the university, one degree awarded, same level, same time, some shared courses. For undergraduate degrees with multiple concentrations, students may not share coursework between the core concentration curricula. Multiple concentrations are typically added through an approval process. Example: Business (Global Leadership), BA and Business (Sustainability), BA.

## Learning modality terms

**ASU Local**
ASU Local [16] programs combine the high-quality academics of ASU degrees offered online with in-person coaching and academic support. In addition to online learning, students also participate in two-day, local signature experiences, which are designed to harness the essence of the local community. An ASU Local coach is provided on-site and in-person to assist students with guidance, support and development of success skills.

**ASU Sync**
ASU Sync [17] programs utilize synchronous online courses, meaning students learn online, but the courses are scheduled at certain dates and times so that all students attend live classes together via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers.

**Experiential Learning**
Experiential learning such as internships and co-ops are integral to the preparation of an ASU graduate.

- An internship is a structured practical experience, which allows students to gain work-based skills with the possibility of earning academic credit. Students follow a contract or a plan and are supervised by faculty or practitioners in the career field. Credit-bearing internships are an approved way to meet elective requirements and can count towards the university 120 hour graduation requirement at the undergraduate level. The department and individual faculty determine whether or not a specific internship experience meets the requirements of the unit and how many credit hours should be awarded.
- A cooperative education program, commonly known as a co-op, is a structured method of combining classroom-based education with practical work experience. Co-ops allow students to earn academic credit for structured job experience as well as a paycheck to help finance their college education. Co-ops are a joint venture between a college or university, a selected employer, and the student.

**Source URL:** https://catalog.asu.edu/glossary

**Links:**
[1] https://catalog.asu.edu/retention_standing#goodstanding
[2] https://catalog.asu.edu/retention_standing#probation
[3] https://catalog.asu.edu/retention_standing#coenrolled
[4] https://catalog.asu.edu/policies/college
[5] https://catalog.asu.edu/retention_standing#disqualified
[6] https://catalog.asu.edu/retention_standing#progress
[7] https://admission.asu.edu/undergrad/readmission
[8] https://students.asu.edu/leave-absence
[9] https://catalog.asu.edu/retention_standing#reinstatement
[10] https://admission.asu.edu/undergrad/readmission
[11] https://eadvisor.asu.edu/
[12] https://catalog.asu.edu/undergraduatereq/#eadvisor
[13] https://my.asu.edu/
[14] https://acceleratedmasters.asu.edu/
[15] https://catalog.asu.edu/undergraduatereq/#concurrent
[16] https://asulocal.asu.edu/
[17] https://provost.asu.edu/sync/students

# Grades and grading policies

## Credit enrollment

The semester hour is the unit on which credit is computed. It represents one 50-minute class exercise per week per semester. To obtain credit, a student must be properly registered and must pay fees for the course.

## Grading options and definitions

Ordinarily, a grade of "A+," "A," "A-," "B+," " B," "B-," "C+," "C," "D," or "E" is given upon completion of a course, unless another grading option such as "audit" or "pass/fail" is indicated at the time of registration. Grading options cannot be changed after the close of the add period.

The instructor of a course has full discretion in selecting which grades to use and report from the available grading options on the grade roster.

| **Fall 2004 and after**[1] | | | |
|---|---|---|---|
| **Grade** | **Undergraduate definition** | **Graduate definition** | **Value** |
| A+ | | | 4.33 |
| A | Excellent | Excellent | 4.00 |
| A- | | | 3.67 |
| B+ | | | 3.33 |
| B | Good | Good | 3.00 |

| | | | |
|---|---|---|---|
| B- | | | 2.67 |
| C+ | | | 2.33 |
| C | Average | Passing | 2.00 |
| D | Passing | No Graduate Credit | 1.00 |
| E | Failure | Failure | 0.00 |
| EN | Failing Never Participated[2] | Failing Never Participated[2] | 0.00 |
| EU | Failing Did Not Complete[3] | Failing Did Not Complete[3] | 0.00 |
| I | Incomplete | Incomplete | — |
| NR | No Report | No Report | — |
| P | Pass | n/a[4] | — |
| W | Withdrawal | Withdrawal | — |
| X | Audit | Audit | — |
| Y | Satisfactory | Satisfactory | — |
| Z | Course In Progress | Course In Progress | — |
| XE | Academic Dishonesty | Academic Dishonesty | 0.00 |

[1] Although the plus/minus scale includes a grade of A+ with a value of 4.33, the cumulative GPA is capped at 4.00. Questions about the grade scales may be referred to the University Registrar Services at registrar@asu.edu [1]. For grading scales prior to fall 2004 click here [2].

[2] Effective fall 2016 and later.

[3] Effective fall 2019 and later.

[4] Not applicable for graduate classes.

| **Law grading** | | | | |
|---|---|---|---|---|
| Fall 2009 and after | | | Fall 2009 and after Additional Grades | |
| A+ | | 4.33 | CR | Credit |
| A | Excellent | 4.00 | NR | No Report |
| A- | | 3.67 | P | Pass |
| B+ | | 3.33 | X | Audit |
| B | Good | 3.00 | W | Withdrawal |
| B- | | 2.67 | I | Incomplete |
| C+ | | 2.33 | H | Honors |
| C | Average | 2.00 | HH | High Honors |
| D | Deficient | 1.00 | XE | Academic Dishonesty |
| E | Failing | 0.00 | | |
| EN | Failing Never Participated[4] | 0.00 | | |
| EU | Failing Did Not Complete[5] | 0.00 | | |

[4] Effective fall 2016 and later.

[5] Effective fall 2019 and later.
For grading scales prior to fall 2009, click here. [2]

## Incomplete (I)

A mark of "I" (incomplete) is given by the instructor when you are otherwise doing acceptable work but are unable to complete the course because of illness or other conditions beyond your control. You are required to arrange with the instructor for the completion of the course requirements. The arrangement is recorded on the Request for Grade of Incomplete form [3]. Do not re-register or pay fees to complete the course. The completion date is determined by the instructor but may not exceed one calendar year from the date the mark of “I” is recorded. When you complete the course, the instructor must submit an online grade change request. If you receive an "I" in an undergraduate course in the fall 1983 or thereafter, your grade will be automatically changed to a failing grade "E" if you do not complete the course within one calendar year. If you receive an "I" in a graduate course (500-level or above) your "I" grade will become a permanent part of your transcript if you do not complete the course within one year, and you will have to reregister and pay fees to

repeat the course for credit. Marks of "I" are changed to a grade of "E" (0.00) for purposes of evaluating graduation requirements for undergraduate students.

## No report (NR)

The "NR" grade simply means that a grade has not yet been reported. Once final grade processing takes place for the semester, most classes will have an actual grade posted instead of the "NR". If an "NR" grade appears for a course in a prior semester, you should contact the instructor of the course to find out why a final grade was not recorded.

## Pass (P)

The "P" grading option is used to indicate a passing grade in a class when an individual student receives permission from both the class instructor and his/her college or school. For further information about this grading option, contact your advisor. If you earn a "P" grade, you will earn hours, but the grade is not used for computing your GPA.

A "P" grade should only be assigned when an individual student receives permission to take a course as pass/fail. Permission is recorded on the Pass/Fail Enrollment form [4]. If the course only awards pass/fail grades, the "Y" grade should be utilized to indicate successful completion of the course.

## Withdrawal (W)

If you withdraw from a class after the first week of school, you will receive a mark of "W" on your transcript. You earn no credit or grade for withdrawn classes.

## Audit (X)

A student may choose to audit a course, in which case the student attends regularly scheduled class sessions, but no credit is earned. The student should obtain the instructor's approval before registering and paying the fees for the course. Selected courses may not be audited. Veteran students using education benefits should see Veterans Services.

The mark of "X" is recorded for completion of an audited course unless the instructor determines that the student's participation or attendance has been inadequate, in which case the mark of "W" (withdrawal) may be recorded. This grading option may not be changed after the close of the drop/add period. The "X" is not included in earned hours and is not computed in the GPA.

## Satisfactory (Y)

The "Y" grade is generally used as a grade for successfully completed internships, projects, readings and conferences, research, seminars, theses, dissertations, and workshops. You earn hours for a "Y" grade, but the grade is not used for computing your GPA.

## Course in progress (Z)

The "Z" grade is typically used for courses where work will not be completed within one semester's time, such as research, thesis, and dissertation. Once coursework is complete, your instructor will submit a grade change to assign an appropriate grade. Some courses, such as continued registration, do not earn credit and the "Z" grade will remain on your transcript.

## Failing never participated (EN)

The grade of "EN" denotes failure due to the student never participating in a course and is treated the same as an "E" for the purposes of GPA, course repeatability, and academic standing determination. The "EN" grade assists ASU in determining a student's financial aid eligibility. For federal aid purposes, we must determine if a student participated in all courses for which they received federal aid. When a student does not participate, the financial aid office must recalculate the student's eligibility. A grade of "EN" will display on the student's transcript beginning fall 2016. Please review the "Grades and Grade Selection" section of the Grade Posting FAQs [5] page for more information about the "EN" grade.

## Failing did not complete (EU)

The grade of "EU" should be used to indicate that a student never officially withdrew from the course, but failed to participate in course activities through the end of the course. The EU grade should be used when, in the opinion of the instructor, the student's completed assignments, course activities or both were insufficient to make normal evaluation of academic performance possible because the student stopped participating in the course. This grade distinction is critical

to federal financial aid administration. A grade of "EU" will display on the student's transcript beginning fall 2019. Please review the "Grades and Grade Selection" section of the Grade Posting FAQs [5] page for more information about the "EU" grade.

### Academic dishonesty (XE)

The grade of "XE" denotes failure due to academic dishonesty and is treated the same as an "E" for the purposes of GPA, course repeatability, and academic standing determination. A student may not avoid any penalty for academic dishonesty by withdrawing from a course. A student may be reinstated to a course to receive a penalty of a reduced or failing grade or XE. The grade of XE may only be assigned in accordance with ASU's Student Academic Integrity Policy, and not as part of the normal end of the semester grading process.

## Grading resources for faculty and staff

Support and roster contacts [6].

## Grade reports

You can obtain your final grades after every semester by using any of the following methods:

- To view or print your grades, sign in to My ASU [7] using your ASURITE UserID and Password.
- Submit a request for an official grade report that will show the grades for the last semester in which grades have been processed. You may submit a request to any registration site [8].

## Grade changes

Ordinarily the instructor of a course has the sole and final responsibility for any grade reported. Once the grade has been reported to the registrar, it may be changed upon the authorization of the faculty member who issued the original grade, a department chair, and the dean of the college concerned. This policy also applies to the grade of "I" (incomplete).

Grade changes are submitted online and receive approval by the department chair (or designee) and the dean of the college (or designee) in which the course is offered. Once approvals are received, the new grade will be reflected on your transcript immediately.

## Repeating courses

An undergraduate course taken by undergraduate students at ASU may be repeated for credit if the grade or mark of "D", "E", (including EU, EN, and XE) "W", "X" is received. To be eligible for the deletion of "D" or "E" grades from calculations of the GPA, the course must be repeated at ASU. Independent Learning courses may not be used to repeat "D" or "E" grades. Students who have graduated are not eligible to delete the grade for a course taken before the award of the ASU bachelor's degree. Undergraduate courses in which grades of "D" or "E" (including EU, EN, and XE) are received may be repeated only once. Generally, students may not repeat an undergraduate course for credit when a grade of "C" or higher is earned.

For additional information on repeating courses please refer to the following policies:

SSM 203-06: Deletion of a "D" or "E" Grade Received by an Undergraduate in an Undergraduate Course [9]

SSM 203-05: Duplication of Credit by an Undergraduate Student [10]

Graduate students see the ASU Graduate Policies and Procedures [11].

### Financial aid & repeating courses

Federal regulations limit the number of times a student may repeat a course and receive federal financial aid for that course.

- A student may receive federal financial aid when repeating a course that was previously failed.
- A student may receive federal financial aid to repeat a previously passed course (with a D or better) one additional time, whether or not a student received federal financial aid for an earlier enrollment of the course.
- Once a student has completed any course twice and earned a passing grade (with a D or better) they are no longer eligible to receive federal financial aid for that course

- If a student retakes a course that is no longer eligible for financial aid, the units are excluded from the total enrollment calculated for financial aid and the student's financial aid will be adjusted to exclude these units.

Grade adjustments will be processed automatically after the grades are reported each term. For additional information on repeating a course or the deletion process, contact Records & Enrollment Services at registrar@asu.edu [1]

## Demonstration of mastery

An undergraduate student who receives a "D" in a course in which a "C" or higher is required may use the grade from an equivalent course taken elsewhere to demonstrate mastery at the "C" or higher level. However, the course may neither be transferred to ASU (since credit has already been given for the course) nor computed in the student's GPA.

## Grades appeal

ASU has informal and formal processes students may follow to appeal a grade. See the Catalog [12].

## GPA calculation

The following grades and their values are used in computing your semester and cumulative ASU GPA:

| **Grade*** | **Grade point value** |
|---|---|
| A+ | 4.33 |
| A | 4.00 |
| A- | 3.67 |
| B+ | 3.33 |
| B | 3.00 |
| B- | 2.67 |
| C+ | 2.33 |
| C | 2.00 |
| D | 1.00 |
| E** | 0.00 |
| *Other grades (W, X, Y, etc.) are not included in the GPA calculation. | |
| **Grades EN, EU, XE, E1, E2, E3, E4, E5, and E8 are equivalent to an E for GPA calculation purposes. | |

To calculate your GPA, follow these steps below, or use the GPA Calculator [13].

1. Multiply the grade point value by the number of semester hours for which the course was taken to determine the honor points.
2. Add together all the honor points.
3. Add together all the semester hours that received one of the above grades to determine net hours.
4. Divide the honor points by the net hours to calculate the GPA.
   Honor Points ÷ Net Hours = GPA
   GPAs are rounded to the nearest 100th of a decimal point.
   Semester GPA is based on semester net hours. Cumulative GPA is based on total net hours.
   Although the plus/minus scale includes a grade of A+ with a value of 4.33, the cumulative GPA is capped at 4.00.

Example

| Course | Semester hours | Grade | Grade point value | Honor points |
|---|---|---|---|---|
| ENG 101 | 3.0 | A | 4.00 | 12.00 |
| MAT 117 | 3.0 | B- | 2.67 | 8.01 |
| ECN 111 | 3.0 | E | 0.00 | 0.00 |
| Total: | (net hours) 9.0 | | | 20.01 |
| 20.01 ÷ 9.0 = 2.22 GPA | | | | |

## Credit by examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Learn more [14].

**Source URL:** https://students.asu.edu/grades

**Links:**
[1] mailto:registrar@asu.edu
[2] https://students.asu.edu/prior-grading-scales
[3] https://students.asu.edu/forms/incomplete-grade-request
[4] https://students.asu.edu/forms/application-pass-fail-enrollment
[5] https://students.asu.edu/grade-posting-faq
[6] https://students.asu.edu/facultycenter
[7] https://my.asu.edu/
[8] https://students.asu.edu/node/931
[9] http://www.asu.edu/aad/manuals/ssm/ssm203-06.html
[10] http://www.asu.edu/aad/manuals/ssm/ssm203-05.html
[11] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals
[12] http://catalog.asu.edu/appeal
[13] https://students.asu.edu/gpa-calculator
[14] http://catalog.asu.edu/credit_exam

# Grades - University policy for student appeal procedures on grades

The steps outlined here, beginning with step A, must be followed by any student seeking to appeal a grade. Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring) regardless of whether the student is enrolled at the university. It is university policy that students filing grievances and those who are witnesses are protected from retaliation. A student who believes they are a victim of retaliation should immediately contact the dean of the college or school in which the course is offered.

Students enrolled in courses taught by another institution through a formal ASU partnership (i.e., the PLuS Alliance) must follow the grade grievance and appeal process of the institution teaching the course.

## Informal

### Step A

The aggrieved student must first undergo the informal procedure of conferring with the instructor, stating any evidence and reasons for questioning that the grade received was not given in good faith. The instructor is obliged to review the matter, explain the grading procedure used and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course (regular faculty member or director of the course sequence).

### Step B

If the grading dispute is not resolved in step A, the student may appeal to the department chair or other appropriate chair of the area within the department (if any). The department chair may confer with the instructor to handle the problem. Step B applies only in departmentalized colleges or schools.

### Step C

If these discussions are not adequate to settle the matter to the complainant's satisfaction, the student may then confer with the dean of the college or school concerned (or the dean-designate) who will review the case. If unresolved, the dean or designate may refer the case to the college or school academic grievance hearing committee to review the case formally. In most instances, however, the grievance procedure does not go beyond this level.

## Formal

The following procedure takes place after steps A, B and C (or A and C) have been completed.

### Step D

Each college or school has on file in the office of the dean (and in each department of the college or school) the procedures and composition of the undergraduate or graduate academic grievance hearing committee for student grievances. Each college or school committee shall operate under grievance procedures as stated, which satisfy due process requirements. The committee shall always meet with the student and the instructor in an attempt to resolve the differences. At the conclusion of the hearing, the committee shall send its recommendations to the dean.

### Step E

Final action in each case will be taken by the dean after full consideration of the committee's recommendation. Any recommended grade changes may be made by the dean. The dean shall inform the student, instructor, department chairperson (if any), registrar and grievance committee of any action taken.

**Source URL:** https://catalog.asu.edu/appeal

# Policies for students at ASU at Los Angeles

The following policies apply to students pursuing programs at the ASU at Los Angeles location. Students at this location are also responsible for knowing and adhering to all other academic policies of Arizona State University.

## BPPE compliance disclosures

### Institution financial status

ASU does not have a pending petition in bankruptcy, is not operating as a debtor in possession, has not filed a petition within the preceding five years, and has not had a petition in bankruptcy filed against it within the preceding five years that resulted in reorganization under Chapter 11 of the United States Bankruptcy Code (11 U.S.C. Sec. 1101 et seq.).

### University academic information

Prospective students are encouraged to review the ASU academic catalog [1] and Degree Search [2] prior to signing an enrollment agreement. They are also encouraged to review the School Performance Fact Sheets, which must be provided prior to signing an enrollment agreement.

The ASU academic catalog is published annually. Department, school, division, college and university requirements are upgraded often, and may change. A PDF archive [3] of the academic catalog for the catalog year [4] is published annually, which includes educational programs offered by ASU and their curriculum. ASU also publishes a list yearly of instructional faculty [5]; students can access the latest version of the catalog and requirements through the Academic Catalog website and Degree Search [2].

Class sessions in California are held in two ASU locations:

**ASU California Center - Broadway**
1111 S Broadway
Los Angeles, CA 90015
(213) 510-6900

**ASU California Center - Grand**
919 South Grand Avenue
Los Angeles, CA 90015
(213) 510-696

### Notice concerning transferability of credits and credentials earned at this institution

The transferability of credits a student earns at Arizona State University is at the complete discretion of the institution to which they may seek to transfer. Acceptance of the degree or certificate the student earns in the educational program is also at the complete discretion of the institution to which they may seek to transfer.

If the degree or certificate a student earns at this institution is not accepted at the institution to which they seek to transfer, the student may be required to repeat some or all of their coursework at that institution. For this reason, students should make certain that their attendance at this institution will meet their educational goals. This may include contacting an institution to which they may seek to transfer after attending ASU to determine if their degree or certificate will transfer.

### Student records

Arizona State University permanently retains student transcripts, graded class rosters, official grade reports, graduation audit reports, combined name and gender change authorizations, degree/certificate issuance records, and theses and dissertations. Records Management [6] retention schedules list other records and the amount of time required to keep them. Many student records, including transcripts, can be accessed through a student's My ASU [7] at any time. Students can contact University Registrar Services [8] or the appropriate department for other record requests.

### Student Tuition Recovery Fund

**Note:** The Student Tuition Recovery Fund payment is included as part of ASU tuition and is not assessed as a separate fee.

The State of California established the Student Tuition Recovery Fund to relieve or mitigate economic loss suffered by a student in an educational program at a qualifying institution who is or was a California resident while enrolled or was enrolled in a residency program, if the student enrolled in the institution, prepaid tuition and suffered an economic loss. Unless relieved of the obligation to do so, a student must pay the state-imposed assessment for the STRF, or it must be

paid on their behalf if the student is in an educational program, who is a California resident or is enrolled in a residency program, and prepays all or part of the tuition.

Students are not eligible for protection from the STRF and are not required to pay the STRF assessment if they are not California residents or are not enrolled in a residency program.

It is important that students keep copies of their enrollment agreement, financial aid documents, receipts or any other information that documents the amount paid to the school. Questions regarding the STRF may be directed to the:

Bureau for Private Postsecondary Education
2535 Capitol Oaks Drive, Suite 400
Sacramento, CA 95833
(916) 431-6959 or (888) 370-7589.

To be eligible for STRF, a student must be a California resident or enrolled in a residency program, prepaid tuition, paid or deemed to have paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The institution, a location of the institution, or an educational program offered by the institution was closed or discontinued, and the student did not choose to participate in a teach-out plan approved by the Bureau or did not complete a chosen teach-out plan approved by the Bureau.
2. The student was enrolled at an institution or a location of the institution within the 120 day period before the closure of the institution or location of the institution, or was enrolled in an educational program within the 120 day period before the program was discontinued.
3. The student was enrolled at an institution or a location of the institution more than 120 days before the closure of the institution or location of the institution, in an educational program offered by the institution as to which the Bureau determined there was a significant decline in the quality or value of the program more than 120 days before closure.
4. The institution has been ordered to pay a refund by the Bureau but has failed to do so.
5. The institution has failed to pay or reimburse loan proceeds under a federal student loan program as required by law, or has failed to pay or reimburse proceeds received by the institution in excess of tuition and other costs.
6. The student has been awarded restitution, a refund or other monetary award by an arbitrator or court, based on a violation of this chapter by an institution or representative of an institution, but has been unable to collect the award from the institution.
7. The student sought legal counsel that resulted in the cancellation of one or more of their student loans and has an invoice for services rendered and evidence of the cancellation of the student loan or loans.

To qualify for STRF reimbursement, the application must be received within four years from the date of the action or event that made the student eligible for recovery from STRF.

A student whose loan is revived by a loan holder or debt collector after a period of noncollection may, at any time, file a written application for recovery from STRF for the debt that would have otherwise been eligible for recovery. If it has been more than four years since the action or event that made the student eligible, the student must have filed a written application for recovery within the original four-year period, unless the period has been extended by another act of law.

However, no claim can be paid to any student without a social security number or a taxpayer identification number.

## Drop, withdrawal and refund policy

Per California education code EDC § 94919, students pursuing a degree program at the ASU at Los Angeles location may withdraw from ASU and obtain a prorated refund of money paid for institutional charges if they have completed 60% of the semester or less at the time of withdrawal. The refund excludes disbursed federal financial aid funds.

If you drop a class or officially withdraw during the 100% refund period, you will receive a refund in accordance with the ASU refund policy. The applicable refund periods are:

- For regular semester classes (session C) and sessions that are eight weeks or longer, the 100% refund period extends through the first two weeks of the semester.
- For sessions that are shorter than eight weeks (sessions A and B) and dynamically dated classes, the 100% refund period is one week after the semester begins.
- For classes that begin prior to the first day of the regular semester, the applicable 100% refund period begins on the class start date, not the semester start date.
- For the summer session classes (sessions A, B and C, and dynamically dated classes), the 100% refund period is the first five days of the applicable summer session.

You may withdraw from ASU completely by providing notice through My ASU. To withdraw through My ASU, you must complete the steps below after contacting your advisor to discuss the withdrawal process:

1. Review the Academic Calendar for complete session withdrawal and tuition refund deadlines. ASU at Los Angeles students may withdraw from a course after instruction has started and receive a pro-rata refund for the unused portion of the tuition and other refundable charges if you have completed 60% or less of the instruction for the academic term.
2. Log into My ASU [7].
3. Under the My Classes section, select Registration and then Drop/Withdrawal.
4. Indicate all classes and/or sessions for the withdrawal, answer the required questions, and select Submit Withdrawal Request.
5. Your request will be reviewed and you will be notified of the status. If approved, your Complete Session Withdrawal request will be sent to University Registrar Services for processing.

Students may also be subject to special types of withdrawal due to disruptive behavior, conduct or lack of attendance. In addition to requesting withdrawal via My ASU, you must also withdraw from the enrollment agreement by completing the cancellation form.

Refunds will be paid within 45 days of cancellation or withdrawal.

If you received federal student financial aid funds, you are entitled to a refund of monies not paid from federal student financial aid program funds.

If you obtain a loan to pay for the educational program, you will have the responsibility to repay the full amount of the loan plus interest, less the amount of any refund. If you default on a federal or state loan, both of the following may occur:

- The federal or state government or a loan guarantee agency may take action against you, including applying any income tax refund to which you are entitled to reduce the balance owed on the loan.
- You may not be eligible for any other federal student financial aid at another institution or other government financial assistance until the loan is repaid.

**Source URL:** https://catalog.asu.edu/bppe-policies

**Links:**
[1] https://catalog.asu.edu/
[2] https://degrees.asu.edu/
[3] https://catalog.asu.edu/catalog_archives
[4] https://catalog.asu.edu/undergraduatereq#catalogyear
[5] https://catalog.asu.edu/faculty_list
[6] https://cfo.asu.edu/records-management
[7] https://webapp4.asu.edu/myasu/student
[8] https://students.asu.edu/contact/office-university-registrar

# Professional licensure and certification degree programs

Arizona State University offers degree programs that lead to professional licensure with the State of Arizona and may allow graduates to be eligible for licensure in other states. Students and prospective students are strongly encouraged to contact the state's licensure entity where they intend to practice using the links provided to review all licensure and certification requirements imposed by the state(s) of choice. This information is provided per U.S. Federal Regulations, 34 CFR § 668.50 (2016 Rules) [1], 34 CFR § 668.43 (2019 Rules) [2], and in compliance with the State Authorization Reciprocity Agreement [3] (SARA) Manual. These disclosures are strictly limited to the university's determination of whether the degree programs, if successfully completed, would be sufficient to meet the educational licensure or certification requirements in a state. States vary in which professions are required to be licensed and how licensure functions. The terms related to licensure and certification, among others, also vary by state as well. ASU cannot provide verification of an individual's ability to meet licensure or certification requirements unrelated to its educational programming. Some states require individuals to complete additional requirements that are unrelated to educational prerequisites.

These disclosures do not provide any guarantee that any particular state licensure or certification entity will approve or deny an application. Additionally, these disclosures do not account for changes in state law or regulation that may affect an application for licensure that occurs after these disclosures have been made. Students should check the Professional Licensure material before registering for classes each session for the most up-to-date information.

Arizona State University is a member of the National Council State Authorization Reciprocity Agreements (NC- SARA) [3] which allows the university to provide distance learning programs (both online and learning placements) and coursework to students located in states other than Arizona. Membership does not grant reciprocity or exemption from state professional licensing requirements. Licensing requirements in Arizona may not be recognized as sufficient to obtain a license in other states.

ASU shall not be held liable if a student is unable to qualify for licensure or certification in any jurisdiction. Relocating to a different state after admission into a degree program may impact whether a student can remain in the degree program, meet the state licensure requirements and/or continue to receive financial aid funding. Prior to considering relocating, it is recommended that students contact their program advisor to discuss authorization and licensure eligibility requirements. It is the student's responsibility to notify the institution of a change in physical location.

## Licensure by college

Select the college/school and then the program.

[Archivist's note: In-page selector tool for colleges and programs unable to be archived]

**Source URL:** https://admission.asu.edu/academics/licensure

**Links:**
[1] https://www.federalregister.gov/documents/2016/12/19/2016-29444/program-integrity-and-improvement
[2] https://www.federalregister.gov/documents/2019/11/01/2019-23129/student-assistance-general-provisions-the-secretarys-recognition-of-accrediting-agencies-the
[3] https://nc-sara.org/

# State authorization

## How is ASU authorized in my state?

Select your state in the dropdown to see how ASU is authorized to operate in your state and to learn about policies and program exceptions in your state.

The State Authorization Reciprocity Agreement (SARA) is a national initiative that helps expand students' access to educational opportunities while maintaining compliance with state regulations. Institutions participating in SARA may offer educational opportunities in SARA member states without seeking individual approval in each state. To learn more about SARA, visit https://nc-sara.org/ [1].

The State of Arizona was approved as a SARA member state on November 11, 2014. Arizona State University is approved as a SARA participating institution by the Arizona SARA Council [2] and the National Council for State Authorization Reciprocity Agreements [1] (NC-SARA).

Relocating to a different state after admission into a degree program may impact whether a student can remain in the degree program, meet the state licensure requirements and/or continue to receive financial aid funding. Prior to considering relocating, it is recommended that students contact their program advisor to discuss authorization and licensure eligibility requirements. It is the students responsibility to notify the institution of a change in physical location.

### Alabama

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Alabama in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Alabama.

**Mary Lou Fulton Teachers College**

- Secondary Education (Earth and Space Sciences), BAE [3] (Campus)
- Secondary Education (Political Science), BAE [4] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Earth and Space Sciences, Political Science/American Government*

- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *Earth and Space Sciences, Political Science/American Government*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Earth and Space Sciences, Political Science/American Government*
- Special Education (Teacher Certification), MEd [8] (ASU Sync, Online)
  The following area(s): *Moderate/Severe Disabilities*
- Teacher Certification (Graduate Certificate) [9] (ASU Sync, Online)
  The following area(s): *Secondary Education - Earth and Space Sciences*, *Secondary Education - Political Science/American Government*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Alaska

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Alaska in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Alaska.

**Mary Lou Fulton Teachers College**
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): Dance
- Teacher Certification (Graduate Certificate) [9] (ASU Sync, Online)
  The following area(s): *Secondary Education – Dance*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Arizona

Arizona State University is a public university established in the State of Arizona.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies, please see Policies [11] for further information.

## Arkansas

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Arkansas in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Arkansas.

**Mary Lou Fulton Teachers College**
- Secondary Education (Political Science), BAE [4] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Economics*, *General Science*, *Geography*, *History, Political Science/American Government*

- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *Economics*, *General Science*, *Geography*, *Health*, *History,*
  *Political Science/American Government*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Economics*, *General Science*, *Geography*, *Health*, *History*
  *Political Science/American Government*
- Special Education (Visual Impairment), BAE [12] (Campus)
- Teacher Certification (Graduate Certificate) [9] (ASU Sync, Online)
  The following area(s): *Secondary Education – Economics*, *Secondary Education – General Science*, *Secondary Education – Geography*, *Secondary Education - History,*
  *Secondary Education - Political Science/American Government*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## California

Arizona State University is a public university established in the State of Arizona. Approval is not required from the California Bureau for Private Postsecondary Education (Bureau) for ASU to offer distance education programs, which are offered from locations in Arizona, to students located in California. As a public postsecondary educational institution, ASU is not required to seek approval from the Bureau to offer postsecondary education at physical locations in California but may choose to do so. ASU is in the process of seeking approval.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Distance education students should see Policies [11] for further information.

**California Department of Consumer Affairs**
**Consumer Information Center**
Telephone: (833) 942-1120
dca@dca.ca.gov [13]
Online Complaint Form: https://www.dca.ca.gov/consumers/complaints/oos_students.shtml [14]

## Colorado

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Colorado in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Colorado.

**Mary Lou Fulton Teachers College**
- Special Education (Visual Impairment), BAE [12] (Campus)

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Connecticut

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Connecticut in accordance with NC-SARA

established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Connecticut.

**Mary Lou Fulton Teachers College**

- Educational Leadership (Principalship), MEd [15] (Campus, ASU Sync, Online)
- Elementary Multilingual Education, BAE [16] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*
- Secondary Education (Political Science), BAE [4] (Campus)
- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*
- Teacher Certification (Graduate Certificate) [9] (ASU Sync, Online)
  The following area(s): *Secondary Education – Economics*, *Secondary Education – Geography*, *Secondary Education - Political Science/American Government*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Delaware

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Delaware in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Delaware.

**Mary Lou Fulton Teachers College**

- Elementary Multilingual Education, BAE [16] (Campus)
- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *Geography*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Geography*
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Geography*
- Teacher Certification (Graduate Certificate) [9] (ASU Sync, Online)
  The following area(s): *Secondary Education – Geography*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## District of Columbia

Arizona State University is a public university established in the State of Arizona. As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in the District of Columbia in accordance with NC-SARA established policies and standards. ASU is licensed by the Higher Education Licensure Commission [17] to operate postsecondary education at the ASU Barrett & O'Connor Washington Center [18] in the District of Columbia. For additional information, please see: https://washingtondc.asu.edu/ [18].

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our

attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

Students at the ASU Washington Center may also share concerns with the Higher Education Licensure Commission at the following website:
https://helc.osse.dc.gov/topic/helcadmin/community-stakeholders/public-complaints [19].

## Florida

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Florida in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located in Florida.

**Mary Lou Fulton Teachers College**

- Special Education (Teacher Certification), MEd [8] (ASU Sync, Online)
  The following area(s): *Moderate/Severe Disabilities*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Georgia

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Georgia in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located in Georgia.

**Mary Lou Fulton Teachers College**

- Educational Leadership (Principalship) MEd [20] (Campus, ASU Sync, Online)

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Hawaii

Arizona State University is a public university established in the State of Arizona. As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Hawaii in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located in Hawaii.

**Mary Lou Fulton Teachers College**

- Elementary Multilingual Education, BAE [16] (Campus)

ASU is authorized by the Department of Commerce and Consumer Affairs, Post-secondary Education Authorization Program [11] to operate postsecondary education in the State of Hawaii. For additional information, please see: https://hawaii.asu.edu/ [22].

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

Students receiving postsecondary education at a physical location in Hawaii may share concerns with the Hawaii Post-secondary Education Authorization Program at the following website: https://cca.hawaii.gov/hpeap/files/2013/08/Student-Complaint-Form.pdf [23].

## Idaho

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Idaho in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located in Idaho.

**Mary Lou Fulton Teachers College**

- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Dance*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Illinois

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Illinois in accordance with NC-SARA established policies and standards.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Indiana

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Indiana in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Indiana.

**Mary Lou Fulton Teachers College**

- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *General Science*
- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *General Science*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Dance*, *General Science*
- Teacher Certification (Graduate Certificate) [9] (ASU Sync, Online)
  The following area(s): *Secondary Education – General Science*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Iowa

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Iowa in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Iowa.

**Mary Lou Fulton Teachers College**

- Curriculum and Instruction (Early Childhood Education), MEd [24] (Online)
- Early Childhood Education (Teacher Certification), MEd [25] (Online)
- Early Childhood Education, BAE [26] (Campus, ASU Sync)
- Early Childhood Education, Certificate [27] (Campus, ASU Sync)
- Early Childhood Special Education, Certificate [28] (Campus, ASU Sync)
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Dance*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Kansas

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Kansas in accordance with NC-SARA established policies and standards; the program exception is noted below. A program exception means that the following program is not available to students located in Kansas

**Mary Lou Fulton Teachers College**

- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Dance*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Kentucky

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Kentucky in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Kentucky.

**Mary Lou Fulton Teachers College**

- An Overview of Autism Spectrum Disorders (Graduate Certificate) [29] (Online)
- Curriculum and Instruction (Early Childhood Education), MEd [30] (Online)
- Early Childhood Education (Teacher Certification), MEd [20] (Online)

- Early Childhood Education, BAE [20] (Campus, ASU Sync)
- Early Childhood Education, Certificate [20] (Campus, ASU Sync)
- Early Childhood Special Education, Certificate [31] (Campus, ASU Sync)
- Educational Leadership (Principalship), MEd [20] (Campus, ASU Sync, Online)
- Elementary Education (Science, Technology, Engineering and Mathematics), BAE [31] (Campus)
- Elementary Education (Teacher Certification), MEd [31] (ASU Sync, Online)
- Elementary Education, BAE [32] (Campus, ASU Synch)
- Elementary Education, Certificate [33] (Campus, ASU Synch)
- Elementary Multilingual Education, BAE [33] (Campus)
- Mild/Moderate Special Education, Certificate [34] (Campus, ASU Synch)
- Physical Education, BAE [34] (Campus)
- Physical Education, MPE [34] (Campus)
- Secondary Education (Biological Sciences), BAE [34] (Campus)
- Secondary Education (English), BAE [35] (Campus)
- Secondary Education (Chemistry), BAE [36] (Campus)
- Secondary Education (Earth and Space Sciences), BAE [37] (Campus)
- Secondary Education (English), BAE [35] (Campus)
- Secondary Education (History), BAE [36] (Campus)
- Secondary Education (Mathematics), BAE [38] (Campus)
- Secondary Education (Physical Education), BAE [39] (Campus)
- Secondary Education (Physics), BAE [40] (Campus)
- Secondary Education (Political Science), BAE [41] (Campus)
- Secondary Education (Spanish), BAE [41] (Campus)
- Secondary Education (Teacher Certification), MEd [42] (ASU Sync, Online)
  The following area(s):, *Biological Sciences*, *Business Education*, *Chemistry*, *Chinese*, , *Earth and Space Sciences*, *Economics*, *English*, *French*, *General Science*, *Geography*, *German*, *History*, *Math*, , *Physics*, *Political Science/American Government*, *Spanish*, *Theatre*
- Secondary Education, BAE [43] (Campus)
  The following area(s):, *Biology*, *Business Education*, *Chemistry*, *Chinese*, , *Earth and Space Sciences*, *Economics*, *English*, *French*, *General Science*, *Geography*, *Health*, *History*, *Mathematics*, *Physical Education*, *Physics*, *Political Science/American Government*, *Spanish*
- Secondary Education, Certificate [44] (Campus)
  The following area(s): *Art*, *Biology*, *Business Education*, *Chemistry*, *Chinese*, *Dance*, *Earth and Space Sciences*, *Economics*, *English*, *French*, *General Science*, *Geography*, *Health*, *History*, *Math*, *Music*, *Physical Education*, *Physics*, *Political Science/American Government*, *Spanish*, *Theatre*
- Special Education (Autism Spectrum Disorders), MA [45] (Online)
- Special Education (Teacher Certification), MEd [46] (ASU Sync, Online)
  The following area(s): *Dual Certification, Moderate/Severe Disabilities*, *Special Education (Only) Certification*
- Special Education (Visual Impairment), BAE [47] (Campus)
- Special Education and Elementary Education, BAE [48] (Campus)
- Special Education, BAE [48] (Campus, ASU Sync)
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Elementary Education*, *Secondary Education – Biology*, *Secondary Education – Business Education*, *Secondary Education – Chemistry*, *Secondary Education – Chinese*, *Secondary Education - Earth and Space Sciences*, *Secondary Education – Economics*, *Secondary Education – English*, *Secondary Education – French*, *Secondary Education – General Science*, *Secondary Education – Geography*, *Secondary Education – German*, *Secondary Education – History*, *Secondary Education – Math*, , *Secondary Education – Physics*, *Secondary Education - Political Science/American Government*, *Secondary Education – Spanish*, *Secondary Education – Theatre*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Louisiana

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Louisiana in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Louisiana.

**Edson College of Nursing and Health Innovation**
Due to legislative regulations, Edson College of Nursing and Health Innovation cannot consider applications for certain nursing degree or certificate programs from prospective students located in Louisiana. Clinical rotation, field experience, internship, or practicum components of either online and/or ground courses are not currently available to Edson College students in this state. Contact nursingandhealth@asu.edu [49] with questions.

- Acute Care Pediatric Nurse Practitioner (Graduate Certificate) [50] (Campus)
- Adult Gerontology Nurse Practitioner (Graduate Certificate) [51] (Campus)
- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [52] (Campus)
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [53] (Campus)
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [54] (Campus)
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [55] (Campus)
- Advanced Nursing Practice (Innovation Leadership), DNP [56] (Campus)
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [57] (Campus)
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [58] (Campus)
- Advanced Nursing Practice, DNP [59] (Campus)
- Emergency Nurse Practitioner (Graduate Certificate) [60] (Campus)
- Family Nurse Practitioner (Graduate Certificate) [61] (Campus)
- Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate) [62] (Campus)
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [63] (Campus and Online)
- Nursing (Nursing Education), MS [64] (Campus and Online)
- Nursing, MS [65] (Campus and Online including RN to MSN Online (Bridge Option))
- Pediatric Nurse Practitioner (Graduate Certificate) [66] (Campus)
- Women's Health Nurse Practitioner (Graduate Certificate) [67] (Campus)

**Mary Lou Fulton Teachers College**

- Elementary Multilingual Education, BAE [16] (Campus)
- Secondary Education (Teacher Certification), MEd [34] (ASU Sync, Online)
  The following area(s): *Theatre*
- Secondary Education, BAE [43] (Campus)
  The following area(s): *Health*, *Theatre*
- Secondary Education, Certificate [44] (Campus)
  The following area(s): *Health*, *Theatre*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – Theatre*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Maine

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Maine in accordance with NC-SARA established policies and standards.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via

the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Maryland

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Maryland in accordance with NC-SARA established policies and standards.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Massachusetts

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Massachusetts in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Massachusetts.

**Mary Lou Fulton Teachers College**

- Secondary Education (Political Science), BAE (Campus) [4]
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*
- Secondary Education, BAE [43] (Campus)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*
- Secondary Education, Certificate [44] (Campus)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – Economics*, *Secondary Education – Geography*, *Secondary Education - Political Science/American Government*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Michigan

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Michigan in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Michigan.

**Mary Lou Fulton Teachers College**

- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Theatre*
- Secondary Education, BAE [43] (Campus)
- Secondary Education, Certificate [44] (Campus)
  The following area(s): *Dance*, *Theatre*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – Theatre*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our

attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Minnesota

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Minnesota in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located in Minnesota.

**Mary Lou Fulton Teachers College**

- Educational Leadership (Principalship), MEd [20] (Campus, ASU Sync, Online)

**Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Mississippi

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Mississippi in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Mississippi.

**Mary Lou Fulton Teachers College**

- Secondary Education (Earth and Space Sciences), BAE [3] (Campus)
- Secondary Education (Political Science), BAE [4] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Earth and Space Sciences*, *Geography*, *Political Science/American Government*
- Secondary Education, BAE [43] (Campus)
  The following area(s): *Earth and Space Sciences*, *Geography*, *Political Science/American Government*
- Secondary Education, Certificate [44] (Campus)
  The following area(s): *Earth and Space Sciences*, *Geography*, *Political Science/American Government*
- Special Education (Teacher Certification), MEd [8] (ASU Sync, Online)
  The following area(s): Moderate/Severe Disabilities
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education - Earth and Space Sciences*, *Secondary Education – Geography*, *Secondary Education - Political Science/American Government*

**Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Missouri

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Missouri in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Missouri.

**Mary Lou Fulton Teachers College**

- Secondary Education (Political Science), BAE [4] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Economics*, *General Science*, *Geography*, *Political Science/American Government*
- Secondary Education, BAE [43] (Campus)
  The following area(s): *Economics*, *General Science*, *Geography*, *Political Science/American Government*
- Secondary Education, Certificate [44] (Campus)
  The following area(s): *Economics*, *General Science*, *Geography*, *Political Science/American Government*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – Economics*, *Secondary Education – General Science*, *Secondary Education – Geography*, *Secondary Education - Political Science/American Government*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Montana

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Montana in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Montana.

**Mary Lou Fulton Teachers College**
- Elementary Multilingual Education, BAE [16] (Campus)
- Secondary Education, Certificate [44] (Campus)
  The following area(s): *Dance*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Nebraska

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Nebraska in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Nebraska.

**Mary Lou Fulton Teachers College**
- Curriculum and Instruction (Early Childhood Education), MEd [30] (Online)
- Early Childhood Education (Teacher Certification), MEd [25] (Online)
- Early Childhood Education, BAE [20] (Campus, ASU Sync)
- Early Childhood Education, Certificate [20] (Campus, ASU Sync)
- Elementary Education, Certificate [31] (Campus, ASU Synch)
- Mild/Moderate Special Education, Certificate [33] (Campus, ASU Synch)
- Secondary Education (Teacher Certification), MEd [34] (ASU Sync, Online)
  The following area(s): *Theatre*
- Secondary Education, BAE [43] (Campus)
  The following area(s): *Business Education*,
- Secondary Education, Certificate [44] (Campus)
  The following area(s): *Business Education*, *Dance*, *Theatre*
- Special Education (Teacher Certification), MEd [46] (ASU Sync, Online)
  The following area(s): *Moderate/Severe Disabilities*

- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Elementary Education*, *Secondary Education – Theatre*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Nevada

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Nevada in accordance with NC-SARA established policies and standards.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## New Hampshire

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in New Hampshire in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in New Hampshire.

**Mary Lou Fulton Teachers College**
- Special Education (Teacher Certification), MEd [46] (ASU Sync, Online)
  The following area(s): *Moderate/Severe Disabilities*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## New Jersey

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in New Jersey in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in New Jersey.

**Mary Lou Fulton Teachers College**
- Secondary Education (Political Science), BAE [4] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Economics*, *General Science*, *Geography*, *Political Science/American Government*
- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *Economics*, *General Science*, *Geography*, *Political Science/American Government*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Economics*, *General Science*, *Geography*, *Political Science/American Government*
- Special Education (Teacher Certification), MEd [48] (ASU Sync, Online)
  The following area(s): *Moderate/Severe Disabilities*

- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – Economics*, *Secondary Education – General Science*, *Secondary Education – Geography*, *Secondary Education - Political Science/American Government*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## New Mexico

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in New Mexico in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in New Mexico.

**Mary Lou Fulton Teachers College**
- Secondary Education (Earth and Space Sciences), BAE [3] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Earth and Space Sciences*
- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *Earth and Space Sciences*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Earth and Space Sciences*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education - Earth and Space Sciences*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## New York

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Louisiana in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in New York.

**College of Health Solutions**
The Doctor of Behavioral Health [68] (DBH) program is an international education and training program that is designed to develop future leaders in integrated primary behavioral health care. There are two concentrations that may be pursued: clinical [69] and management [70].

Admission to the clinical concentration of the DBH program is restricted in New York State to those applicants with an active license to practice in a clinical field such as: Applied Behavioral Analysis, Creative Arts Therapy, Marriage and Family Therapy, Mental Health Counseling, Occupational Therapy, Physician Assistant, Psychoanalysis, Psychology, Social Work, and other clinical fields. Clinicians must possess an appropriate clinical license prior to admission to the program and are expected to work within the restrictions of their current license and professional scope of practice while completing all aspects of the DBH program, including clinical internship. Applicants without a proper license will not be accepted into the clinical concentration, or may risk dismissal from the DBH program if accepted contingent upon attaining a license, if the applicant is unable to attain the requisite license within the required timeframe.

It is recommended for applicants in New York State to contact the NYS Office of Professions [71] and speak with the

appropriate professional board for information regarding their license status and whether there are limitations on how knowledge obtained in the DBH program may be utilized in their practice.

**Edson College of Nursing and Health Innovation**
Due to legislative regulations, Edson College of Nursing and Health Innovation cannot consider applications for certain nursing degree or certificate programs from prospective students located in New York. Clinical rotation, field experience, internship, or practicum components of either online and/or ground courses are not currently available to Edson College students in this state. Contact nursingandhealth@asu.edu [49] with questions.

- Acute Care Pediatric Nurse Practitioner (Graduate Certificate) [50] (Campus)
- Adult Gerontology Nurse Practitioner (Graduate Certificate) [51] (Campus)
- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [52] (Campus)
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [53] (Campus)
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [54] (Campus)
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [55] (Campus)
- Advanced Nursing Practice (Innovation Leadership), DNP [56] (Campus)
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [57] (Campus)
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [58] (Campus)
- Advanced Nursing Practice, DNP [59] (Campus)
- Emergency Nurse Practitioner (Graduate Certificate) [60] (Campus)
- Family Nurse Practitioner (Graduate Certificate) [61] (Campus)
- Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate) [62] (Campus)
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [63] (Campus and Online)
- Nursing (Nursing Education), MS [64] (Campus and Online)
- Nursing, MS [65] (Campus and Online including RN to MSN Online (Bridge Option))
- Pediatric Nurse Practitioner (Graduate Certificate) [66] (Campus)
- Women's Health Nurse Practitioner (Graduate Certificate) [67] (Campus)

**Mary Lou Fulton Teachers College**

- Secondary Education, Certificate [7] (Campus)
  The following area(s): *General Science*
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *General Science*
- Special Education (Teacher Certification), MEd [8] (ASU Sync, Online)
  The following area(s): *Moderate/Severe Disabilities*
- Teacher Certification (Graduate Certificate) [9] (ASU Sync, Online)
  The following area(s): *General Science*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## North Carolina

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in North Carolina in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located within in North Carolina.

**Mary Lou Fulton Teachers College**

- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *Business Education Health*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Business Education*, *Health*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies.

Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## North Dakota

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in North Dakota in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in North Dakota.

**Mary Lou Fulton Teachers College**

- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *General Science*
- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *General Science*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Dance, General Science*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – General Science*

**Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Ohio

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Ohio in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Ohio.

**Mary Lou Fulton Teachers College**

- Secondary Education (Political Science), BAE [4] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*
- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *Economics*, Geography, *Political Science/American Government*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Economics*, Geography, *Political Science/American Government*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – Economics*, *Secondary Education – Geography*, *Secondary Education - Political Science/American Government*

**Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Oklahoma

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Oklahoma in accordance with NC-SARA

established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Oklahoma.

**Mary Lou Fulton Teachers College**

- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *General Science*
- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *General Science*, *Health*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *General Science*, *Health*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – General Science*

**Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Oregon

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Oregon in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Oregon.

**Edson College of Nursing and Health Innovation**

Due to legislative regulations, Edson College of Nursing and Health Innovation cannot consider applications for certain nursing degree or certificate programs from prospective students located in Oregon. Clinical rotation, field experience, internship, or practicum components of either online and/or ground courses are not currently available to Edson College students in this state. Contact nursingandhealth@asu.edu [49] with questions.

- Acute Care Pediatric Nurse Practitioner (Graduate Certificate) [50] (Campus)
- Adult Gerontology Nurse Practitioner (Graduate Certificate) [51] (Campus)
- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [52] (Campus)
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [53] (Campus)
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [54] (Campus)
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [55] (Campus)
- Advanced Nursing Practice (Innovation Leadership), DNP [56] (Campus)
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [57] (Campus)
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [58] (Campus)
- Advanced Nursing Practice, DNP [59] (Campus)
- Emergency Nurse Practitioner (Graduate Certificate) [60] (Campus)
- Family Nurse Practitioner (Graduate Certificate) [61] (Campus)
- Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate) [62] (Campus)
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [63] (Campus and Online)
- Nursing (Nursing Education), MS [64] (Campus and Online)
- Nursing, MS [65] (Campus and Online including RN to MSN (Bridge Option))
- Pediatric Nurse Practitioner (Graduate Certificate) [66] (Campus)
- Women's Health Nurse Practitioner (Graduate Certificate) [67] (Campus)

**Mary Lou Fulton Teachers College**

- Elementary Multilingual Education, BAE [16] (Campus)
- Secondary Education (Earth and Space Sciences), BAE [3] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
- The following area(s): *Earth and Space Sciences*
- Secondary Education, BAE [6] (Campus, ASU Sync)
  The following area(s): *Earth and Space Sciences*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Dance, Earth and Space Sciences*

- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education - Earth and Space Sciences*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Pennsylvania

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Pennsylvania in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Pennsylvania.

**Mary Lou Fulton Teachers College**

- Physical Education, BAE [72] (Campus)
- Physical Education, MPE [34] (Campus)
- Secondary Education (Teacher Certification), MEd [34] (ASU Sync, Online)
  The following area(s):*, Physical Education, Theatre*
- Secondary Education, BAE [30] (Campus, ASU Sync)
  The following area(s): *Physical Education*
  Secondary Education, Certificate [30] (Campus, ASU Sync)
  The following area(s): *Physical Education, Theatre*
- Teacher Certification (Graduate Certificate) [30] (ASU Sync, Online)
  The following area(s): *Secondary Education – Physical Education, Secondary Education - Theatre*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Puerto Rico

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Puerto Rico in accordance with NC-SARA established policies and standards.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Rhode Island

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Rhode Island in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Rhode Island.

**Edson College of Nursing and Health Innovation**
Due to legislative regulations, Edson College of Nursing and Health Innovation cannot consider applications for certain nursing degree or certificate programs from prospective students located in Rhode Island. Clinical rotation, field experience, internship, or practicum components of either online and/or ground courses are not currently available to Edson College students in this state. Contact nursingandhealth@asu.edu [49] with questions.

- Acute Care Pediatric Nurse Practitioner (Graduate Certificate) [50] (Campus)
- Adult Gerontology Nurse Practitioner (Graduate Certificate) [51] (Campus)
- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [52] (Campus)
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [53] (Campus)
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [54] (Campus)
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [55] (Campus)
- Advanced Nursing Practice (Innovation Leadership), DNP [56] (Campus)
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [57] (Campus)
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [58] (Campus)
- Advanced Nursing Practice, DNP [59] (Campus)
- Emergency Nurse Practitioner (Graduate Certificate) [60] (Campus)
- Family Nurse Practitioner (Graduate Certificate) [61] (Campus)
- Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate) [62] (Campus)
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [63] (Campus and Online)
- Nursing, BSN [73] (Campus and Online including Online RN to BSN program and Concurrent Enrollment Program)
- Nursing (Nursing Education), MS [64] (Campus and Online)
- Nursing, MS [65] (Campus and Online including RN to MSN Online (Bridge Option))
- Pediatric Nurse Practitioner (Graduate Certificate) [66] (Campus)
- Women's Health Nurse Practitioner (Graduate Certificate) [67] (Campus)

**Mary Lou Fulton Teachers College**

- Elementary Multilingual Education, BAE [16] (Campus)
- Secondary Education (Earth and Space Sciences), BAE [3] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Earth and Space Sciences*, *Economics*, *Geography*
- Secondary Education, BAE [30] (Campus, ASU Sync)
  The following area(s): *Earth and Space Sciences*, *Economics*, *Geography*
- Secondary Education, Certificate [30] (Campus, ASU Sync)
  The following area(s): *Earth and Space Sciences*, *Economics*, *Geography*
- Teacher Certification (Graduate Certificate) [30] (ASU Sync, Online)
  The following area(s): *Secondary Education - Earth and Space Sciences*, *Secondary Education – Economics*, *Secondary Education – Geography*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## South Carolina

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in South Carolina in accordance with NC-SARA established policies and standards.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## South Dakota

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in South Dakota in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in South Dakota.

**Mary Lou Fulton Teachers College**

- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *General Science*, *Theatre*
- Secondary Education, BAE [30] (Campus, ASU Sync)
  The following area(s):, *General Science*
- Secondary Education, Certificate [30] (Campus, ASU Sync)
  The following area(s): *Dance*, *General Science*, *Theatre*
- Special Education (Teacher Certification), MEd [30] (ASU Sync, Online)
  The following area(s): *Moderate/Severe Disabilities*
- Teacher Certification (Graduate Certificate) [30] (ASU Sync, Online)
  The following area(s): *Secondary Education – General Science*, *Secondary Education - Theatre*

**Complaint procedure**

Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Tennessee

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Tennessee in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Tennessee.

**Edson College of Nursing and Health Innovation**

Due to legislative regulations, Edson College of Nursing and Health Innovation cannot consider applications for certain nursing degree or certificate programs from prospective students located in Tennessee. Clinical rotation, field experience, internship, or practicum components of either online and/or ground courses are not currently available to Edson College students in this state. Contact nursingandhealth@asu.edu [49] with questions.

- Acute Care Pediatric Nurse Practitioner (Graduate Certificate) [50] (Campus)
- Adult Gerontology Nurse Practitioner (Graduate Certificate) [51] (Campus)
- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [52] (Campus)
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [53] (Campus)
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [54] (Campus)
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [55] (Campus)
- Advanced Nursing Practice (Innovation Leadership), DNP [56] (Campus)
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [57] (Campus)
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [58] (Campus)
- Advanced Nursing Practice, DNP [59] (Campus)
- Emergency Nurse Practitioner (Graduate Certificate) [60] (Campus)
- Family Nurse Practitioner (Graduate Certificate) [61] (Campus)
- Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate) [62] (Campus)
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [63] (Campus and Online)
- Nursing, BSN [73] (Campus and Online including Online RN to BSN program and Concurrent Enrollment Program)
- Nursing (Nursing Education), MS [64] (Campus and Online)
- Nursing, MS [65] (Campus and Online including RN to MSN Online (Bridge Option))
- Pediatric Nurse Practitioner (Graduate Certificate) [66] (Campus)
- Women's Health Nurse Practitioner (Graduate Certificate) [67] (Campus)

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Texas

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Texas in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Texas.

**Mary Lou Fulton Teachers College**

- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *Economics*, *Geography*
- Secondary Education, BAE [30] (Campus, ASU Sync)
  The following area(s): *Economics*, *Geography*
- Secondary Education, Certificate [30] (Campus, ASU Sync)
  The following area(s): *Economics*, *Geography*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – Economics*, *Secondary Education – Geography*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [11]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [12] for further information.

## U.S. Virgin Islands

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in the U.S. Virgin Islands in accordance with NC-SARA established policies and standards.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Utah

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Utah in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Utah.

**Mary Lou Fulton Teachers College**

- Educational Leadership (Principalship), MEd [20] (Campus, ASU Sync, Online)
- Secondary Education, BAE [6] (Campus)
  The following area(s): *Business Education*
- Secondary Education, Certificate [44] (Campus)
  The following area(s): *Business Education*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Vermont

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Vermont in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following program is not available to students located in Vermont.

**Mary Lou Fulton Teachers College**

- Secondary Education, BAE [43] (Campus)
  The following area(s): *Health*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Virginia

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Virginia in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Virginia.

**Mary Lou Fulton Teachers College**

- Elementary Multilingual Education, BAE [16] (Campus)
- Secondary Education (Teacher Certification), MEd [5] (ASU Sync, Online)
  The following area(s): *General Science*
- Secondary Education, BAE [30] (Campus, ASU Sync)
  The following area(s): *Business Education*, *General Science*
- Secondary Education, Certificate [30] (Campus, ASU Sync)
  The following area(s): *Business Education*, *General Science, Health*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – General Science*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Washington

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Washington in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Washington.

**Edson College of Nursing and Health Innovation**
Due to legislative regulations, Edson College of Nursing and Health Innovation cannot consider applications for certain nursing degree or certificate programs from prospective students located in Washington. Clinical rotation, field experience, internship, or practicum components of either online and/or ground courses are not currently available to Edson College students in this state. Contact nursingandhealth@asu.edu [49] with questions.

- Acute Care Pediatric Nurse Practitioner (Graduate Certificate) [50] (Campus)
- Adult Gerontology Nurse Practitioner (Graduate Certificate) [51] (Campus)
- Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP [52] (Campus)
- Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP [53] (Campus)
- Advanced Nursing Practice (Family Nurse Practitioner), DNP [54] (Campus)
- Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP [55] (Campus)
- Advanced Nursing Practice (Innovation Leadership), DNP [56] (Campus)
- Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP [57] (Campus)
- Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP [58] (Campus)
- Advanced Nursing Practice, DNP [59] (Campus)
- Emergency Nurse Practitioner (Graduate Certificate) [60] (Campus)
- Family Nurse Practitioner (Graduate Certificate) [61] (Campus)
- Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate) [62] (Campus)
- Nurse Education in Academic and Practice Settings (Graduate Certificate) [63] (Campus and Online)
- Nursing, BSN [73] (Campus and Online including Online RN to BSN program and Concurrent Enrollment Program)
- Nursing (Nursing Education), MS [64] (Campus and Online)
- Nursing, MS [65] (Campus and Online including RN to MSN Online (Bridge Option))
- Pediatric Nurse Practitioner (Graduate Certificate) [66] (Campus)
- Women's Health Nurse Practitioner (Graduate Certificate) [67] (Campus)

**Mary Lou Fulton Teachers College**

- Early Childhood Special Education, Certificate [28] (Campus, ASU Sync)
- Secondary Education (Teacher Certification), MEd [30] (ASU Sync, Online)
  The following area(s): *General Science*
- Secondary Education, BAE [30] (Campus, ASU Sync)
  The following area(s): *General Science*
- Secondary Education, Certificate [30] (Campus, ASU Sync)
  The following area(s): *General Science*
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): General Science

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## West Virginia

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in West Virginia in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in West Virginia.

**Mary Lou Fulton Teachers College**

- Secondary Education (Political Science), BAE [4] (Campus)
- Secondary Education (Teacher Certification), MEd [30] (ASU Sync, Online)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*
- Secondary Education, BAE [30] (Campus, ASU Sync)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Economics*, *Geography*, *Political Science/American Government*

- Special Education (Visual Impairment), BAE [47] (Campus)
- Teacher Certification (Graduate Certificate) [48] (ASU Sync, Online)
  The following area(s): *Secondary Education – Economics*, *Secondary Education – Geography*, *Secondary Education – Political Science/American Government*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Wisconsin

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Wisconsin in accordance with NC-SARA established policies and standards.

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

## Wyoming

As a participating State Authorization Reciprocity Agreements (SARA) institution since May 5, 2015, Arizona State University is authorized to offer distance education to persons located in Wyoming in accordance with NC-SARA established policies and standards; program exceptions are noted below. A program exception means that the following programs are not available to students located in Wyoming.

**Mary Lou Fulton Teachers College**
- Secondary Education, Certificate [7] (Campus, ASU Sync)
  The following area(s): *Dance*
- Special Education (Teacher Certification), MEd [46] (ASU Sync, Online)
  The following area(s): M*oderate/Severe Disabilities*

**Complaint procedure**
Arizona State University will take appropriate action to seek resolution when a student complaint is brought to our attention. Students wishing to file a complaint are encouraged to first utilize the University's internal complaint policies. Additionally, distance education students may seek redress for a non-academic complaint, after first completing the institutional complaint procedure and the Arizona Board of Regent's complaint process, by filing a Complaint Form via the AZ SARA complaint process [10]. The appeal must be brought within two years of the incident about which the complaint is made. Distance education students should see Policies [11] for further information.

# Questions about state authorization?

For additional information, please email: askcompliance@asu.edu.

**Source URL:** https://admission.asu.edu/academics/authorizations

**Links:**
[1] https://nc-sara.org/
[2] https://azsara.arizona.edu/
[3] https://degrees.apps.asu.edu/bachelors/major/ASU00/EDESSBAE/secondary-education-earth-and-space-sciences
[4] https://degrees.apps.asu.edu/bachelors/major/ASU00/TEPOLBAE/secondary-education-political-science
[5] https://degrees.apps.asu.edu/masters-phd/major/ASU00/TESCERTMED/secondary-education-teacher-certification-med
[6] https://degrees.apps.asu.edu/bachelors/major/ASU00/TESEDBAE/secondary-education

[7] https://degrees.apps.asu.edu/minors/major/ASU00/TESEDCERT/secondary-education
[8] https://degrees.apps.asu.edu/masters-phd/major/ASU00/TESECRTMED/special-education-teacher-certification-med
[9] https://degrees.apps.asu.edu/masters-phd/major/ASU00/TETEACGRCT/teacher-certification-graduate-certificate
[10] https://azsara.arizona.edu/content/complaint-process
[11] https://asuonline.asu.edu/about-us/policies/
[12] https://degrees.apps.asu.edu/bachelors/major/ASU00/TESPEVIBAE/special-education-visual-impairment
[13] https://admission.asu.edu/academics/dca@dca.ca.gov
[14] https://www.dca.ca.gov/consumers/complaints/oos_students.shtml
[15] https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEPRINMED/educational-leadership-principalship-med
[16] https://degrees.apps.asu.edu/bachelors/major/ASU00/TEEMLEBAE/elementary-multilingual-education
[17] https://helc.osse.dc.gov/
[18] https://washingtondc.asu.edu/
[19] https://helc.osse.dc.gov/topic/helcadmin/community-stakeholders/public-complaints
[20] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEPRINMED/graduate/false
[21] https://cca.hawaii.gov/hpeap/
[22] https://hawaii.asu.edu/
[23] https://cca.hawaii.gov/hpeap/files/2013/08/Student-Complaint-Form.pdf
[24] https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEECDMED/curriculum-and-instruction-early-childhood-education-med
[25] https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEECDTCMED/early-childhood-education-teacher-certification-med
[26] https://degrees.apps.asu.edu/bachelors/major/ASU00/TEECDEDBAE/early-childhood-education
[27] https://degrees.apps.asu.edu/minors/major/ASU00/TEECDCERT/early-childhood-education
[28] https://degrees.apps.asu.edu/minors/major/ASU00/TEECSCERT/early-childhood-special-education
[29] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/EDSPEGRCA/graduate/false
[30] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEECDMED/graduate/false
[31] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEEEACLMED/graduate/false
[32] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEEEDBAE/undergrad/false
[33] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ECPHYEDMPE/graduate/false
[34] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEBIOBAE/undergrad/false
[35] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TECHMBAE/undergrad/false
[36] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEHISBAE/undergrad/false
[37] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/EDESSBAE/undergrad/false
[38] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TEMATBAE/undergrad/false
[39] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ECPPEBAE/undergrad/false
[40] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/EDPHYBAE/undergrad/false
[41] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESPABAE/undergrad/false
[42] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESCERTMED/graduate/false
[43] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEDBAE/undergrad/false
[44] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESEDCERT/undergrad/true
[45] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESPEASDMA/graduate/false
[46] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESECRTMED/graduate/false
[47] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TESPEVIBAE/undergrad/false
[48] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TETEACGRCT/graduate/false
[49] mailto:nursingandhealth@asu.edu
[50] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUACPNGRCT/graduate/false
[51] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUAGNPGRCT/graduate/false
[52] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPACDNP/graduate/false
[53] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPAGDNP/graduate/false
[54] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPFNDNP/graduate/false
[55] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPCFDNP/graduate/false
[56] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPILDNP/graduate/false
[57] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPPDNP/graduate/false
[58] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPWHDNP/graduate/false
[59] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUANPDNP/graduate/false
[60] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUEMNPGRCT/graduate/false
[61] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUFMPGRCE/graduate/false
[62] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUPMNUPRCE/graduate/false
[63] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUNURSEDCE/graduate/false
[64] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUNURSEDMS/graduate/false
[65] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUNURDTMS/graduate/false
[66] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUPDNPGRCT/graduate/false

[67] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUWHNPGRCT/graduate/false
[68] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSBEVHEDBH/graduate/false
[69] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NHBVHCDBH/graduate/false
[70] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NHBVHMDBH/graduate/false
[71] http://www.op.nysed.gov/
[72] https://degrees.apps.asu.edu/bachelors/major/ASU00/TEPPEBAE/physical-education
[73] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUNURDBSN/undergrad/false
[74] mailto:askcompliance@asu.edu

# Student Privacy: Family Educational Rights and Privacy Act (FERPA)

The federal Family Educational Rights and Privacy Act (also called FERPA or the Buckley Amendment) affords students certain privacy rights regarding their education records. Those rights are summarized below. For more detailed information about FERPA, consult SSM 107-01: Release of Student Information [1] or contact University Registrar Services [2].

**The right to inspect**
The right to inspect and review the student's education records within 45 days of the day the university receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The university official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the university official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

Note: Students must provide photo identification in order to access their education records.

**The right to amend**
The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students who believe their record is inaccurate or misleading should write to the university official responsible for the record. Clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the university decides not to amend the record as requested by the student, the university will notify the student of the decision and advise the student of his or her right to a hearing about the request for amendment. Additional information about the hearing procedures will be provided to the student when notified of the right to a hearing.

Note: FERPA does not address grade disputes or grievances, which are pursued through other university and/or college procedures.

**The right to consent**
The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. School officials are administrators, faculty, professional staff, academic advisors, clerical or support employees, including ASU law enforcement unit personnel and ASU health staff; volunteers; a person or company with whom the university has contracted as its agent, acting with a legitimate educational interest, to provide a service instead of using university employees or officials (such as an attorney, auditor, collection agent, service provider); a person serving on the Board of Regents; staff in the Alumni Association and ASU Foundation offices; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the interest in an education record is justified under one or more of the following conditions:

- the information or records requested are relevant and necessary to accomplish some task or determination related to the legitimate educational interest of the student
- the official needs to review an education record in order to fulfill his or her professional responsibilities for the university
- the task or determination is an employment responsibility or a properly assigned subject for the inquirer's determination and/or
- the task or determination is consistent with the purpose for which the records, information, or data are maintained.

Note: A parent of a dependent student may challenge denial of access to the dependent student's record by producing the most current copy of Internal Revenue Form 1040. (Dependency is defined in Section 152 of the Internal Revenue Code.) If that form lists the student in question as a dependent, the parent will be required to sign an Affidavit of Dependency which affirms that the student is his/her tax dependent. The affidavit will be retained by the University Registrar's Office

and must be renewed each tax year. Upon receipt of these documents, the dependent student records may be made available to the parent as specified under FERPA.

**The right to file a complaint**
The right to file a complaint with the U.S. Department of Education concerning alleged failures by Arizona State University to comply with the requirements of FERPA. Students are encouraged to first contact University Registrar Services at (480) 965-7302. A complaint may be filed in writing with the Department of Education at the following address: Family Policy Compliance Office U.S. Department of Education 400 Maryland Avenue, SW Washington, DC, 20202

## Definitions

**Student** —Any individual formally admitted who is or has been in attendance at ASU. The term does not apply to applicants for admission, nor does it apply to persons who have been admitted but who have not registered.

**Education Record** —Any record(s) directly related to a student and maintained by ASU or by a party acting for the university. Education records include any information or data recorded in any medium, including but not limited to handwriting, print, computer media, video or audio tape, film, microfilm, and microfiche.

**Directory Information** — Information that may be released to anyone without the consent of the student, unless the student indicates otherwise, except to the extent that FERPA authorizes disclosure without consent:

- Student name
- Addresses (e.g., local, home, mailing and ASU e-mail, including directory number)
- Telephone numbers
- Date of birth
- Degrees, honors and awards received (including Dean's List, National Merit, National Achievement, and National Hispanic Scholars)
- Most recently attended educational institution
- Academic level
- Major
- College
- Dates of attendance
- Enrollment status (e.g., undergraduate or graduate, full-time or part-time)
- Participation in officially recognized activities/sports
- Weight/height of members of athletic teams

**Personally Identifiable Information** —Includes not only the name of the student and other personal identifiers, but also a list or description of personal characteristics or any other information that, alone or in combination, is linked or linkable to a specific student that would allow a reasonable person in the school community, who does not have personal knowledge of the student and/or relevant circumstances, to identify the student with reasonable certainty. Further, personally identifiable information includes all information about a student that is not defined as directory information, as well as any information that the student has indicated may not be released, including directory information.

## My ASU Parent Guest Access

My ASU Parent Guest Access is an online tool that allows students to share FERPA-protected information with parents and guests. Students have the choice to share some or all of their FERPA-protected information with parents and guests. For more information visit My ASU Parent Guest Access [3].

## Student Control of Directory Information

Students may control release of directory information by submitting a Withhold Directory Information Request [4] form.

Unless otherwise requested, a student's name, college, major, enrollment status (undergraduate or graduate), and ASU e-mail address will appear in the directory of faculty, staff, and students in ASU's online directory. To avoid the release of directory information on the web or in general, the Withhold Directory Information Request [4] form must be submitted.

ASU has a policy that regulates and permits the sale of enrolled student directory information only through University Registrar Services. If a FERPA directory hold is on the student's record, the directory information will not be included in these requests.

**Students accessing education records or receiving university services must provide proof of identification.**

For more detailed information on ASU's FERPA policy, please see SSM 107-01: Release of Student Information [1].

Questions or requests for additional information may be directed to University Registrar Services' Records & Enrollment Services at registrar@asu.edu [5]

### Transaction by Proxy

Students unable to process transactions in person or via My ASU [6] may designate another person to process transactions on their behalf by proxy [7].

### FAQs

FERPA FAQs for Students [8]
FERPA FAQs for Faculty & Staff [9]

### Related Policies

SSM 107-02: Lost, Stolen, or Inappropriately Disclosed Student Records Information [10]
ACD 304-01: Examinations and Grade Posting [11]

**Source URL:** https://students.asu.edu/policies/ferpa

**Links**
[1] https://www.asu.edu/aad/manuals/ssm/ssm107-01.html
[2] https://students.asu.edu/contact/office-university-registrar
[3] https://students.asu.edu/parent-guest-access
[4] https://students.asu.edu/forms/withhold-directory-information-request
[5] mailto:registrar@asu.edu
[6] https://my.asu.edu
[7] https://students.asu.edu/forms/Proxy
[8] https://students.asu.edu/faq/94
[9] https://students.asu.edu/faq/154
[10] https://www.asu.edu/aad/manuals/ssm/ssm107-02.html
[11] https://www.asu.edu/aad/manuals/acd/acd304-01.html
[12] https://www.asu.edu/counsel/brief/ferpa.html#ferpa
[13] https://students.asu.edu/taxonomy/term/244

# Transcripts

Official and unofficial ASU academic transcripts are available through University Registrar Services.

Sending your transcripts to ASU? Contact Admissions [1] for mailing address information.

## Official transcripts

An official transcript is a copy of the student's permanent academic record issued by the University Registrar. It displays all courses taken for credit at ASU and includes all grades received. Unlike unofficial transcripts, it is signed and dated by the registrar and displays the ASU seal. Official transcripts are not issued for students with outstanding financial obligations to the university.

---

> For students that attended the Thunderbird School of Global Management prior to December 31, 2014, information on ordering official transcripts can be found here [2].

---

ASU cannot send official transcripts by email or fax.

University Registrar Services has partnered with Parchment, a digital credentials service, to manage the ordering, processing, and secure electronic delivery of your official ASU transcripts.

All students are encouraged to go online to place their transcript order. This is the easiest and most efficient way to place an order for either a traditional paper transcript or electronic transcript delivery.

## Electronic delivery of official transcripts

Official electronic transcripts may only be ordered using Parchment's online request system. Students choosing this option will identify their recipients by selecting them from a list within the ordering system or by providing the email address of their intended recipients.

To expedite and ensure accurate delivery, students should:

- Make sure the transcript recipient will accept the electronic transcripts, so they can avoid paying to send a replacement copy.
- Double check that the email address they provided for an institution or individual is correct, so they can avoid paying again to send a replacement electronic or paper copy.
- Provide their email addresses for notification purposes (the student's email address assists with tracking and confirming delivery by notifying the student when the transcript is sent and when it is received by the selected institution or individual).
- Instruct recipients to allow emails from Parchment (noreplyint@parchment.com [3]) to avoid potential problems with spam filters.

Orders are generally processed immediately, unless you request a hold for degree or grades. (Degrees are posted approximately 6 weeks after the conferral date for the semester.)

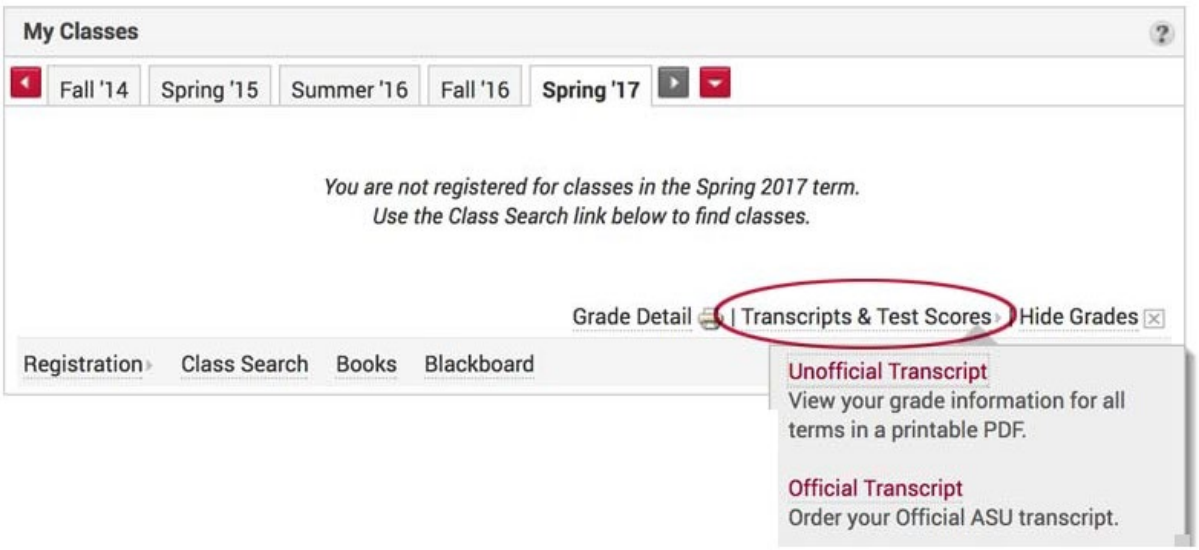
The transcript is not delivered by email; the recipient's email address is used for notification and reminder messages regarding delivery of the student's transcript to a secure site where it can be accessed.

## Ordering official transcripts

Official transcripts can be ordered online or by mail.

### Online

- Students who have an ASURITE ID — Sign in to My ASU [4] and order official transcripts online. In the My Classes box, click Grades & Transcripts and then Transcripts & Test Scores (see sample My ASU navigation screenshot below).
- Students who attended ASU after 1980 and who do not yet have an ASURITE ID [5] or do not know their ASURITE ID and password — Please contact the ASU Help Desk at 855-278-5080 for assistance requesting your ASURITE ID.
- Students who attended ASU prior to 1980 and do not have an ASURITE ID — Request transcripts in person or by mail.



### By mail

Students may order transcripts by submitting a Request for Official Transcript Form [6] or signed letter including the following information:

- Name
- Former names (if applicable)
- Arizona State University identification number (or SSN)
- Date of birth
- First and last dates of attendance
- Current return address
- Daytime phone number
- Specific mailing address for each transcript ordered

Pre-payment is required. See costs for official transcripts below. Make the check or money order payable to Arizona State University.

Send requests for official transcripts to:

Outgoing Transcripts
University Registrar Services
Arizona State University
P.O. Box 870312
Tempe, AZ 85287-0312

For further assistance, please contact Outgoing Transcripts at 480-965-7276 or academicfiles@asu.edu [7]

### In person

Students presenting photo ID may order official transcripts in person at the Cashier's Office at the following locations:

- Downtown Phoenix campus — Mon. - Fri. 8:15 a.m. - 4:30 p.m., University Center Building, Suite 112
- Polytechnic campus — Mon. - Fri. 8:15 a.m. - 4:30 p.m., Administration Building, Room 160
- Tempe campus — Mon. - Fri. 8:15 a.m. - 4:30 p.m., Student Services Building, 244
- West campus — Mon. - Fri. 8:15 a.m. to 4:30 p.m., University Center Building, Room 101

## Costs

All charges for official transcripts must be paid at time of request. Official transcripts cost $15.00 per official transcript copy requested.

Rush transcripts (same day service): $10.00 in addition to the costs for the total number of transcripts ordered. Available for in-person requests only.

- Special delivery in the U.S. — Special delivery processing, instead of regular mail, is available via FedEx or U.S. Express Mail at $22.00 per U.S. delivery address in addition to the costs for the total number of transcripts ordered.
- Special delivery outside the U.S. — Express delivery to addresses outside the U.S. is available through International FedEx Express or International Express Mail at $38.00 per delivery address in addition to the costs for the total number of transcripts ordered.

FedEx requires a street address for delivery. FedEx charges an additional fee for all returned shipments, and the student will be responsible for paying the total amount before the transcript(s) will be mailed.

Transcripts will not be reissued after 90 days from the processed date.

Fees subject to change without notice.

### Apostille

For information on requesting an Apostille. [8]

# Unofficial transcripts

An unofficial transcript is an uncertified copy of the student's academic record. In addition to courses taken for credit at ASU and grades received, unofficial transcripts also include information such as note records regarding Dean's List achievement, grade changes, semester GPAs and probation/disqualification status.

---

For students that attended the Thunderbird School of Global Management prior to December 31, 2014, information on ordering unofficial transcripts can be found here [9].

---

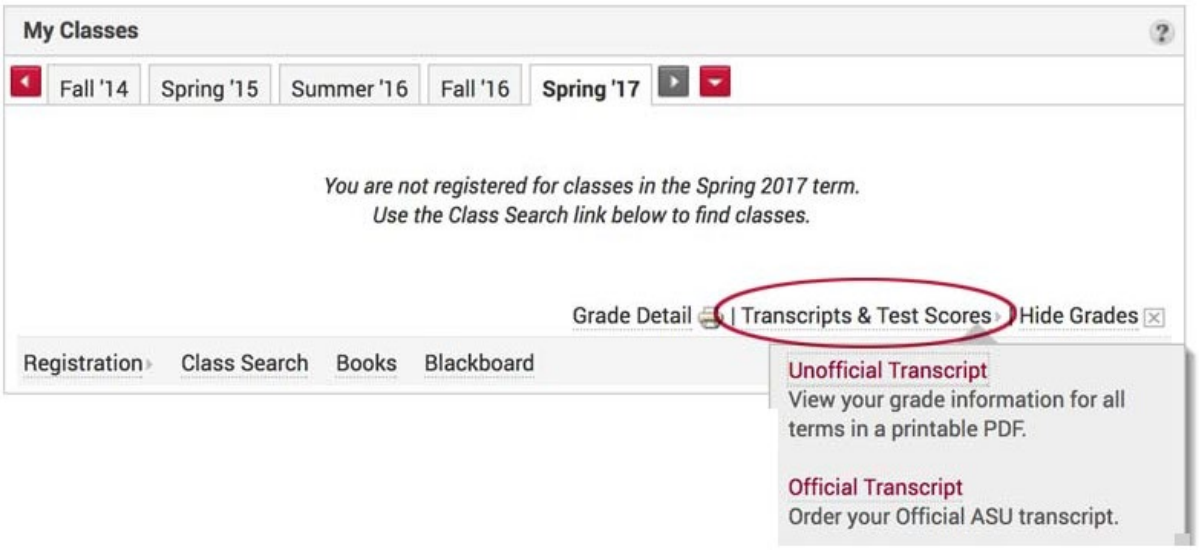
## Accessing and ordering unofficial transcripts

Here's how to view and request unofficial transcripts:

### Online

- Students and former students who have an ASURITE ID — Sign in to view and print an unofficial transcript [10]. You may need to temporarily disable pop-up blocker for this site to retrieve your transcript.
- Students who attended after 1980 and who do not have an ASURITE ID or do not know their ASURITE ID and password — Request an ASURITE ID [5] to access unofficial transcripts online by contacting the ASU Help Desk at 855-278-5080.
- Students who attended prior to 1980 — ASU does not offer online transcript services for students who attended prior to 1980. Request the unofficial transcript in person, by mail or by fax.

You should be in your My ASU student view to access your transcripts. If you have both a student and staff view, this will be indicated in the top right of your screen.




### By mail or fax

Students may order an unofficial transcript by mailing or faxing a **signed** letter including the following information about the student:

- Name and former names (if applicable)
- Arizona State University identification number (or SSN)
- Date of birth
- First and last dates of attendance
- Current return address
- Daytime phone number
- Return Fax number or specific mailing address

Requests for unofficial transcripts by mail or fax must be signed by the student. No computer generated signatures will be accepted. Please send requests for unofficial transcripts to:

Outgoing Transcripts
University Registrar Services
Arizona State University
P.O. Box 870312
Tempe, AZ 85287-0312

Fax: 480-965-2295

### In person

Students presenting photo ID may order unofficial transcripts in person at any campus registration site [11].

## Costs

There is no fee for an unofficial transcript. For assistance, please contact University Registrar Services [12].

## Transcript FAQs

Have questions? Here are the most common FAQs [13].

If you have an ASURITE ID, want to order online, and are familiar with the applicable transcript policies, you can access your transcripts through My ASU [14].

My ASU [14]

Click Grades & Transcripts in the My Classes box, then Transcripts & Test Scores.

**Source URL:** https://students.asu.edu/transcripts

**Links:**
[1] http://students.asu.edu/contact/admissions
[2] https://students.asu.edu/Thunderbird_Transcripts
[3] mailto:noreplyint@parchment.com
[4] https://my.asu.edu
[5] http://asu.force.com/kb/articles/FAQ/How-do-I-get-an-ASURITE-ID-if-I-m-a-former-student
[6] https://students.asu.edu/forms/official-transcript-request
[7] mailto:academicfiles@asu.edu
[8] https://students.asu.edu/apostille
[9] https://students.asu.edu/transcripts-thunderbird#unofficialtranscripts
[10] https://www.asu.edu/go/unofficialtranscript/
[11] https://students.asu.edu/contact/office-university-registrar
[12] http://students.asu.edu/node/931
[13] http://students.asu.edu/transcript-faqs
[14] https://my.asu.edu/

## Apostille

Some international organizations may ask for the attachment of an apostille to certain documents.  An apostille is an additional level of authentication given to a notarized document to certify that the document is a true, i.e., exact, copy of the original.

Arizona State University can provide notarization of official transcripts or your diploma to submit to the Arizona Secretary of State’s Office for apostille purposes. Before requesting notarization, please check with the agency requesting your documents to determine what level of document verification is required.

For more information on how to request notarized official transcripts, please contact Outgoing Transcripts at 480-965-7276 or academicfiles@asu.edu [1].

For more information on how to request a notarized diploma, please visit this page [2] or contact Graduation at 480-965-3256 or graduation@asu.edu [3].

You will be responsible for submitting the notarized document(s) to the Arizona Secretary of State's Office to request the apostille. Review the complete instructions for filing an apostille request [4].

**Source URL:** https://students.asu.edu/apostille

**Links:**
[1] mailto:academicfiles@asu.edu?subject=Apostille
[2] https://students.asu.edu/diploma
[3] mailto:graduation@asu.edu?subject=Apostille%2FDiploma
[4] http://www.azsos.gov/services/authentication-and-apostille

## Transcript FAQs

### Answers to the most common transcript questions

**Q: What is the procedure to change my name on my ASU transcript?**
Currently enrolled, newly admitted/readmitted or former ASU students may submit a Student Change of Legal Name Form electronically through DocuSign, by mail, in person or by scanning and e-mailing. All requests require two different forms of documentation, one of which must be picture identification (state/government issued photo ID or ASU Sun Card) and one of the following: marriage license/certificate, adoption papers, court order, divorce decree, social security card or passport/permanent visa. The link to the DocuSign form and paper form can be found at https://students.asu.edu/forms/name-change [1]. For further assistance email registrar@asu.edu [2] or call 480-965-7276.

**Q: Will ASU hold my transcript and not send it out until my degree or a specific grade is posted?**
On the Request for Official Transcript form or the online ordering system, you may request one of the following holds:

- Hold until degree is posted - Your transcript will not be sent until your degree is posted to your ASU transcript.
- Hold until grades are posted - Your transcript will not be sent until all grades for the term you specified on your order are posted to your ASU transcript.

**Q: Does my ASU transcript list courses I transferred from other institutions?**
No. Credit is awarded for traditional course work successfully completed at institutions of higher learning as indicated by ASU and the Arizona Board of Regents. However, only the name of the institution(s) and degrees awarded are listed on the ASU transcript.

**Q: How can I obtain a copy of previous school transcripts?**
You may request unofficial copies of transcripts from other schools if they were submitted to ASU and if they remain on file. If you are requesting transfer transcripts for official purposes, you must order transcripts from the issuing institutions.

**Q: Can someone else order/pick up my official transcript for me?**
Yes, someone else may order or pick up your official transcript as long as you give written and signed authorization to do so. The request must include all the information requested for ordering an official transcript.

**Q: What if I have a delinquent account? Can I still obtain a transcript?**
You may obtain an unofficial transcript only. All financial obligations must be cleared before an official transcript will be issued. For further assistance call 480-965-7276 during business hours. The Delinquent Accounts Office can be reached at 480-965-5220.

**Q: How do I get a course description for courses listed on my ASU transcript?**
Course descriptions for catalogs after 1996 can be printed from the web at the catalog web site [3]. For course descriptions prior to 1996, contact University Archives archives@asu.edu [4] or 480-965-4932.

**Q: How long does it take for my degree to post to my transcript?**
The majority of degrees are posted within10-14 days of the degree conferral date. If you need to request an official transcript with your degree posted, you have the option to "hold for degree" which will ensure your official transcript will not be issued until your degree is posted.

**Source URL:** https://students.asu.edu/transcript-faqs

**Links:**
[1] https://students.asu.edu/forms/name-change
[2] mailto:registrar@asu.edu

[3] https://webapp4.asu.edu/catalog/
[4] mailto:archives@asu.edu

# Undergraduate policies and procedures

## Admission

### First-year student college admission requirements

We're here to help make each step toward becoming a Sun Devil a smooth experience. Follow the steps below to apply to become a first-year student at ASU.

#### Admission requirements

##### Course competency requirements

To be admitted to ASU, you need the following coursework:

- 4 years math
- 4 years English (non-ESL/ELL courses)
- 3 years lab sciences (1 year each from biology, chemistry, earth science, integrated sciences or physics)
- 2 years social sciences (including 1 year American history)
- 2 years same second language
- 1 year fine arts or 1 year career and technical education

Detailed course requirements [1]

##### Aptitude requirements

To be admitted to ASU, you will need one of the following:

- top 25% in high school graduating class
- 3.00 GPA in competency courses (4.00 = "A")
- ACT: 22 (24 nonresidents)
- SAT: 1120 (1180 nonresidents)

These are the general university admission requirements. Students who do not meet these aptitude requirements may be reviewed individually before a final admission decision is made. Some degree programs have higher aptitude requirements. To find the requirements for your specific program, please visit ASU's Degree Search [2].

Applicants must successfully complete the ASU competency requirements. Admission may be granted with one deficiency in no more than two competency areas. Deficiencies cannot be in both math and laboratory science. Students must earn a minimum 2.00 in each subject area. Most competencies may also be met by test scores or college courses. See detailed competency requirements [3] for more information.

#### How to apply to ASU

##### Step 01: Complete an undergraduate admission application

Apply online with ASU's Application for Admission [4], Common Application [5]. You need to submit only one application to be considered for admission to ASU.

To expedite the admission decision, self-report your high school grades in the application.

Choose to not self-report → quicker application process, but takes a little longer for an admission decision.

Choose to self-report → application takes longer to complete, but the admission decision comes much faster.

ASU does not have a preference for which application you use to apply. ASU does not require an essay or personal statement in any of these options.

ASU's Application for Admission [4]
Common Application [5]

### Step 02: Submit the nonrefundable application fee

Arizona residents: $50
Domestic nonresidents: $80
ASU Online: $70
International nonresidents: $85

You can pay using a credit card (Visa or Mastercard) or eCheck at the time you submit your application or when you log in to My ASU [6]. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services Applicant Processing
Arizona State University
PO Box 871004
Tempe, AZ 85287-1004

If you applied for admission through the Common Application [5], pay the application fee through those applications.

#### Fee waivers

There is no form, paper or code to submit for an application fee waiver. If your financial circumstances qualify you for an application fee waiver, you will answer a series of questions in the application that will automatically qualify you and post to your account.

### Step 03: Transcripts

If you do not self-report your high school grades in the application, you must have your high school send an official copy of your transcripts [7] to ASU.

If you have earned college or university credit, request to have your official transcripts [7] sent to ASU from the issuing institution.

### Step 04: ACT or SAT scores (optional)

ACT or SAT scores are not required for admission, but may be submitted for ASU course placement or as supplemental information. Have your scores sent to ASU from ACT [8] or College Board [9] when you register for the test. Learn more about sending your test scores to ASU in our FAQ section [10].

### Step 05: Check application status

Once you've completed all these steps, ASU will review your application. To see if you have any missing items and to review your admission status, sign in at My ASU using your ASURITE UserID, which is sent to you after you apply for admission.

Check application status [6]

### Step 06: Fill out the FAFSA

The Free Application for Federal Student Aid [11] is used to award grants, loans, Federal Work-Study and certain scholarships. We encourage you to compare financial aid and college costs. ASU's Federal School Code is 001081.

Submit your completed FAFSA by ASU's Jan. 15 priority filing date to be considered for the most need-based aid.

## Important deadlines

To help you stay on track with the fall 2023 admission and financial aid processes, here are the important deadlines you need to know.

### Priority admission date

Complete your application for fall 2023 admission [12] by the Nov. 1 priority admission deadline to ensure you're considered for the maximum amount of scholarship opportunities.

### Regular admission date

ASU's regular admission date is Jan. 15. Make sure to complete your fall 2023 admission application [4] by this date.

### ASU Scholarship Portal

ASU's Scholarship Portal [13] opened on Sept. 1. The Scholarship Portal stores responses to basic questions such as your name, birthday and more, to make it easier for you to fill out multiple applications.

### FAFSA priority date

Submitting a complete, accurate FAFSA [14] by Jan. 15 means you will maximize the amount of financial aid you may receive in grants and other forms of gift aid.

ASU's Federal School Code is 001081.

### Arizona resident financial support programs

#### Obama Scholars Program

To be considered for the Obama Scholars Program [15], you must submit a completed application for admission, including application fee or waiver, official transcripts (unless you're self-reporting), and the FAFSA, by Jan. 15.

#### College Attainment Grant

To be considered for the College Attainment Grant [16], you must submit a completed application for admission, including application fee or waiver, official transcripts, and the FAFSA, by July 1, 2023. The sooner you complete all these items, the sooner you receive your notification. Don't wait until July 1, do it today!

#### The Arizona Promise Program

The Arizona Promise Program [17] is a state grant program for Arizona residents that helps fill in the remaining tuition, student initiated fees and undergraduate college fees not covered by your other gift aid (Pell Grant, merit scholarships, etc.). This can be awarded up to four years (eight consecutive semesters). To be considered for the Arizona Promise Program, you must have a completed ASU admission application and FAFSA by April 1.

### Barrett, The Honors College regular admission date

Barrett, The Honors College [18] is a selective honors experience for outstanding students that offers exclusive research, internship and study abroad opportunities. You must apply to Barrett through a separate application to be admitted.

If you submit the Barrett application on or before Jan. 15, you will receive an admission decision on March 10.

### National Scholars and College Board National Recognition Program Awardees

Students who've been designated as National Scholars or College Board National Recognition Program Awardees [19] must apply to ASU in order to be eligible for their scholarship.

### Next Generation Service Corps

Students who join the Next Generation Service Corps [20] at ASU are committed to more than academic achievement and career preparation. This program builds a culture of service in future leaders who will go on to tackle some of the world's toughest challenges.

The early action deadline is Jan. 15.

### Edson Entrepreneurship + Innovation Fellows

For students who are ready to think big and make their mark at ASU, look no further than our Edson E+ I Fellowship [21]. Entrepreneurship and innovation are big parts of what ASU is all about. With this scholar program, you will have the opportunity to express your creativity and inner innovator.

The early action deadline is Jan. 15.

## Tips for applying to college

### Higher admission requirements

If your first-choice major has higher requirements, you will be instructed to select a second major without higher requirements.

Explore degrees [22]

### Common Application

ASU accepts the Common Application [5] and our own online application [4] for incoming first-year students. Only one application will be accepted, with no preference between the ASU application and the Common Application. If two applications are submitted, one will be canceled in our system. Application fees are nonrefundable.

### Self-report your grades

ASU accepts self-reported high school grades on the undergraduate admission application. Submission of an ACT or SAT score is highly recommended for merit-based scholarship consideration.

### Individual review

ASU admission decisions begin the first week of September. Students who do not meet the admission standards will be evaluated through individual review and may experience a longer wait time for an admission decision.

### Homeschool or online/virtual high school students

ASU welcomes applications from home-educated students and students who have attended an accredited online/virtual high school. You can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.

More about homeschooling and online high schools [22]

## Homeschool or online/virtual high school students

ASU welcomes applications from home-educated students and students who have attended an accredited online/virtual high school. You can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.

## How to apply if you completed a high school equivalency diploma

Students may also meet admission requirements by meeting one of the following:

### GED*

Battery average score

- 50 or above for tests taken between 1998-2001
- 500 or above for tests taken between 2002-2013
- 170 or above for tests taken after 2013
-

### HiSet*

Total score of 75

### TASC (Test Assessing Secondary Completion)*

- Minimum total score of 2700
- Minimum score of 500 on each of the five content areas
- Score of 2 or above on essay

### California High School Proficiency Examination

The California High School Proficiency Examination and other high school equivalency diplomas are recognized as high school diplomas, but do not satisfy course competency and aptitude requirements needed for admission. Students should

submit their diploma to show completion of high school, but will also need to submit additional high school transcripts or SAT or ACT scores to satisfy course competency and aptitude requirements for admission.

Alternatively, enrollment and successful completion of 24 semester credits with a 2.75 minimum GPA through Earned Admission [23], or completion of 24 or more college credits from a regionally accredited college or university with a minimum of 2.50 cumulative GPA on a 4.00 scale may be used to satisfy requirements for admission.

### College Credit Pathway

Some states, including Arizona, offer a College Credit Pathway as an option for students to obtain a high school equivalency (HSE). If the HSE is obtained, ASU will accept that credential as completion of high school graduation requirement but the student may still need additional high school coursework and/or SAT/ACT scores to meet course competency requirements and high school aptitude if the student does not have 24 transferable credits taken post high school.

**Some higher requirement programs may require ACT/SAT scores or additional coursework in order to satisfy aptitude and/or course competency requirements.*

Contact an admission rep [24]

## Get a jump-start on your college experience

Now is the perfect time to imagine what your future will look like, and ASU is here to help you get there. See how you can start earning scholarship money, find the perfect degree program and campus, and more — all while you're in high school.

Start now [25]

## Frequently asked questions about applying to college

**When should I apply to college as a first-year student?**
The ASU application opens on or around July 1 each year. You are encouraged to apply to ASU as early as possible. Nov. 1 is ASU's priority admission date, and Jan. 15 is ASU's regular admission date. The earlier you apply, the earlier you'll receive an admission decision and the more likely you'll be to secure the most financial aid possible.

**Is it okay to submit applications to several different universities?**
Yes, you should apply to all the universities you are interested in possibly attending. Just be aware that universities charge application fees, which can add up. Many universities are part of the Common Application [26], including ASU, which can save you time by using the information you enter once for several applications.

**Other than the admission application, what information will I need to provide to complete the application process?**
In addition to the application, you will need to submit the nonrefundable application fee, as well as self-report your high school grades or have your high school transcripts sent to ASU. ACT or SAT scores are not required for admission, but may be submitted for ASU course placement or as supplemental information.

View more FAQs [27]

**Source URL:** https://admission.asu.edu/apply/first-year/admission

**Links:**
[1] https://admission.asu.edu/first-year/competency-requirements
[2] https://degrees.asu.edu/
[3] https://admission.asu.edu/first-year/competency-requirements
[4] https://webapp4.asu.edu/uga_admissionsapp/
[5] https://apply.commonapp.org/Login?ma=901
[6] https://my.asu.edu/
[7] https://admission.asu.edu/apply/transcripts
[8] https://www.act.org/content/act/en/products-and-services/the-act/scores/sending-your-scores.html
[9] https://collegereadiness.collegeboard.org/sat/scores/sending-scores/how-to-send
[10] https://admission.asu.edu/contact/faqs#general
[11] https://studentaid.gov/h/apply-for-aid/fafsa
[12] https://webapp4.asu.edu/uga_admissionsapp/?_ga=2.129063941.821461395.1629733061-false

[13] https://scholarships.asu.edu/myportal
[14] https://studentaid.gov/h/apply-for-aid/fafsa
[15] http://students.asu.edu/Obama
[16] http://students.asu.edu/cagp
[17] https://tuition.asu.edu/special-financial-assistance-programs-arizona-residents#webspark-anchor-link--530
[18] https://barretthonors.asu.edu/
[19] https://collegereadiness.collegeboard.org/psat-nmsqt-psat-10/scholarships-and-recognition/recognition-programs
[20] https://psa.asu.edu/next-generation-service-corps
[21] https://students.asu.edu/scholar-programs/entrepreneurship
[22] https://admission.asu.edu/first-year/homeschool
[23] https://ea.asu.edu/
[24] https://admission.asu.edu/contact/undergraduate
[25] https://admission.asu.edu/first-year/highschool
[26] https://www.commonapp.org/
[27] https://admission.asu.edu/contact/faqs#freshman

## How to meet ASU course competency requirements

Competency requirements may be met with high school work, college work or test scores. These requirements must be met regardless of your major or the number of transferable hours you have earned. Students must earn a minimum 2.00 GPA in each competency area.

Admission may be granted with one deficiency in no more than two competency areas. Deficiencies in both math and laboratory science are not acceptable.

For exceptions to the competency requirements, see below [1].

### English competency requirement

Meet one of the following:

- four years of high school English (composition or literature based)
- minimum test score of 21 on ACT English, or 580 on SAT evidence-based reading and writing
- one transferable three-credit college English composition course

#### English composition placement

All new students will be placed in First Year Composition ENG 101. Students whose native language is not English will be enrolled in ENG 107. Enrollment in ENG 105, Advanced First Year composition, is based on placement test scores [2].

If you have college-level transfer credit or test credit equivalent to ASU's first year composition course(s), that credit will be considered in placement. You can search ASU's equivalency database for transfer credit at tcg.asu.edu [3]. If applicable, be sure to include any of the above when you register for the Academic Orientation Session.

---

### Mathematics competency requirement

Meet one of the following:

- four years of high school courses: one year each of algebra I, geometry, algebra II, and an advanced math class for which algebra II is a prerequisite
- minimum test score of 24 on ACT math, or 580 on SAT math
- one transferable three-credit college math course for which at least intermediate algebra is a prerequisite

---

### Laboratory science competency requirement

You may meet one of the following or any combination of the three as long as you have three different laboratory-based sciences.

- three years of different high school laboratory sciences

  Lab sciences should be an entire year in length. Please select three from the following list: biology, chemistry, earth science or physics. A laboratory-based integrated science course may be allowed to substitute for one of the three lab sciences. Additionally, an advanced placement course, a higher level international baccalaureate course, or other honors course taken in the last two years of high school in the same subject as a previous course

can still satisfy one lab science requirement.

- minimum test scores in three standardized tests from three different subject matters

  The following tests may be taken: SAT II subject test score in chemistry-600, biology-590, physics-620 or ACT test score in science-20.

- three transferable four-credit college laboratory science courses from the following: biology, chemistry, earth science or physics

  An integrated laboratory science or advanced level laboratory-based science may be substituted for one of these laboratory subjects.

**Laboratory science courses (for online high schools only)**

ASU requires students to complete 3 different lab sciences. In order to determine if your lab sciences meet our lab science requirement, we may need additional information from you. If we require additional information once your admission application reaches our evaluation team, you will see a Priority Task displayed on your My ASU page titled 'Course Description'.

You can provide the additional information required through one of the following:

1. You can have your high school submit your lab sciences to the courseapproval.asu.edu [4] website for ASU to review if it is not already listed on the website.
2. You can submit a course description form for each lab science taken in an accredited online high school environment if not already approved for your entire high school to ASU's homeschool representative.

---

## Second language competency requirement

Meet one of the following:

- two years of the same high school second language
- attainment of minimum score on a national standardized second language test or placement into a third semester college second language class based on university placement exam results
- two transferable three- or four-credit, college-level courses in the same second language

---

## Social science competency requirement

Meet one of the following options from Section A and one from Section B:

**Section A**

- one year of high school American history
- minimum SAT II subject test score of 560 on American history/social studies
- one transferable three-semester-hour college American history course

**Section B**

- one year of high school social science (e.g., European history, world history, economics, sociology, geography, government, psychology or anthropology)
- minimum SAT II subject test score of 580 on world history
- one transferable three-semester-hour college social science course

---

## Fine arts or career and technical education competency requirement

Meet one of the following:

- one year (or a combination of two semesters) of high school fine arts or career and technical education
- one transferable three-credit college fine arts course

### Exceptions

You do not need to meet competency requirements if one of the following statements is true:

- You have completed an associate or higher level degree from a regionally accredited postsecondary institution with a minimum 2.00 GPA ("A"=4.00) if you are an Arizona resident, or you have a minimum 2.50 GPA ("A"=4.00) if you are a nonresident.
- You have completed the Arizona General Education Curriculum (AGEC) with a minimum 2.00 GPA ("A"=4.00) if you are an Arizona resident or a 2.50 GPA ("A"=4.00) if you are a nonresident.

View the Academic Catalog [5]

**Source URL:** https://admission.asu.edu/apply/first-year/competency-requirements

**Links:**
[1] https://admission.asu.edu/first-year/competency-requirements#exceptions
[2] https://english.asu.edu/admission/first-year-composition-courses/faqs#placement
[3] https://webapp4.asu.edu/transfercreditguide/app/home
[4] https://courseapproval.asu.edu/
[5] https://catalog.asu.edu/

## Admitted first-year student next steps

### Welcome, new student

You're now on your way to becoming part of the most innovative and forward-thinking university in the nation.

They say the longest journey begins with a single step. Well, enrolling at ASU isn't really a "long journey," but it does begin with one step, followed by a few more. Start taking your steps and check them off as you complete them so you can get closer to becoming a Sun Devil.

#### Important deadlines

To help you stay on track with the fall 2023 admission and financial aid processes, check out our important deadlines page.

View dates [1]

#### Need help?

**We're here for you.**
ASU admission team members can answer your questions and guide you through each step of your enrollment process between now and the time you get started. Connect and get to know yours. We're here for you.

Schedule an appointment [2]

### First-year student next steps

#### Activate your ASURITE user ID

Your ASURITE User ID grants you access to My ASU and university services. You'll find reminders for things like submitting your final transcripts, sending in your test scores and submitting your immunization forms.

When you activate your ASURITE User ID, you will select to have your ASU email forwarded to a personal account. It's important to check your email often for time-sensitive notifications and next steps about enrollment. You'll have access to your official ASU email when classes begin. You can check which email your ASU email is forwarding to by looking in the profile tab in My ASU.

Activate ASURITE [3]

If you need help logging in, you can have your activation code for My ASU sent to you by visiting admission.asu.edu/resendcode [4] or by contacting your admission team member [2].

My ASU tutorial [5]

### Give your parents access to your records and account

Through My ASU Parent Guest Access, you can share your academic records with your parent or guardian, and even better, give them access to pay your tuition and bills. Go to My ASU [6], select the Profile tab at the top and find “Add a Guest” under My ASU Guest Access Permissions.

### Pay your enrollment deposit

Beginning Oct. 1, you can confirm your place in the incoming fall 2023 class by submitting your deposit. Then make sure to check My ASU [6] often for any Priority Tasks you need to complete to enroll for fall 2023.

Confirm your spot [7]

### Submit your FAFSA and apply for scholarships

The 2023–2024 Free Application for Federal Student Aid is available beginning Oct. 1. Submit your completed FAFSA by ASU’s Jan. 15 priority filing date to be considered for the most need-based aid. ASU’s Federal School Code is 001081.

Submit FAFSA [8]

Watch tutorial [9]

Interested in learning more about completing your FAFSA? Attend one of our live-hosted virtual programs focused on everything you need to know to submit and complete the FAFSA.

Search and apply for departmental and private scholarships through ASU’s Scholarship Portal. The general scholarship application, which is used for many ASU scholarships, is typically available in September and closes by Feb. 1.

Scholarship Portal [10]

Interested in learning more about paying for college? Register for one of our live hosted virtual events [11] about this topic.

### Submit your measles, mumps and rubella immunization record

All students born after Jan. 1, 1957, are required to meet the following MMR immunization requirement [12] before classes begin:

**Option 1:** Provide proof of two MMR, measles, mumps and rubella vaccinations. MMR one must be given on or after your first birthday; MMR two must be four weeks from the first, or later.

**Option 2:** Provide a copy of a Measles IgG or MMR IgG lab test showing positive immunity.

Upload required documentation in My Health Portal [13].

**Questions?**

- Read additional information [14] about MMR.
- Read additional information [15] about ASU’s immunization policy.

Submit MMR [13]

### ASU's New Student Orientation Experience

Through ASU’s New Student Experience, accessed online in My ASU, you will prepare to take classes in the fall by completing essential next steps for enrollment. There are three steps — view details here [16] and check My ASU for updates. Step 2 is the Academic Orientation Session, where you’ll meet with your academic college and finalize your class schedule. All students must complete the New Student Orientation Experience in order to enroll in classes.

New student experience [16]

### Confirm your housing and dining

ASU first-year students live in the residential college of their academic major. Barrett students live in the Barrett residential community for their first two years. The priority deadline to apply for housing is May 15. Students who do not meet the

deadline will need to seek alternative housing arrangements for the 2023-2024 academic year. Once you've paid your enrollment deposit, you can select your housing and dining preferences.

Please note that it may take one to two business days for your enrollment deposit status to be reflected in the housing portal.

Learn more [17]

### Prepare to take your next steps to become a Sun Devil

Check My ASU to stay on top of things like the new student orientation module, where you will become prepared to attend classes in the fall by completing essential next steps for enrollment — including academic advising and finalizing your class schedule.

Your next steps [6]

## Useful resources for first-year students

ASU Prep Digital [18]
ASU Student Success Center [19]
Athletics [20]
Degrees [21]
Find my admission team member [22]
Financial Aid and Scholarship Services [23]
Fraternity & Sorority Life [24]
Global Education Office [25]
Housing [17]
Pat Tillman Veterans Center [26]
Pre-health [27]
Pre-law [28]
Scholarship estimator [29]
Student Accessibility and Inclusive Learning Services [30]
Student and Cultural Engagement [31]
Universal Learner Courses [32]

**Source URL:** https://admission.asu.edu/apply/first-year/admitted

**Links:**
[1] https://yourfuture.asu.edu/importantdeadlines
[2] https://admission.asu.edu/contact/undergraduate
[3] https://weblogin.asu.edu/password/activation
[4] https://weblogin.asu.edu/password/activation?step=resendCode
[5] https://admission.asu.edu/sites/default/files/my-asu-tutorial/scormcontent//index.html#/
[6] https://my.asu.edu/
[7] https://admission.asu.edu/first-year/deposit
[8] http://fafsa.gov/
[9] https://www.youtube.com/watch?v=3mwJOUdrGvU&feature=youtu.be
[10] https://scholarships.asu.edu/myportal54
[11] https://visit.asu.edu/live-hosted-visit
[12] https://eoss.asu.edu/health/parents/immunization
[13] https://asuportal.pointnclick.com/login_dualauthentication.aspx
[14] https://www.cdc.gov/vaccines/hcp/vis/vis-statements/mmr.pdf
[15] https://www.asu.edu/aad/manuals/ssm/ssm106-01.html
[16] https://eoss.asu.edu/orientation/new-student
[17] https://housing.asu.edu/
[18] https://asuprep.asu.edu/
[19] https://success.asu.edu/
[20] https://www.asu.edu/athletics
[21] https://degrees.asu.edu/
[22] https://admission.asu.edu/contact/undergraduate
[23] https://students.asu.edu/financial-aid
[24] https://eoss.asu.edu/fsl
[25] https://goglobal.asu.edu/

[26] https://veterans.asu.edu/
[27] https://prehealth.asu.edu/
[28] https://prelaw.asu.edu/
[29] https://scholarships.asu.edu/estimator
[30] https://eoss.asu.edu/accessibility
[31] https://eoss.asu.edu/student-and-cultural-engagement
[32] https://ea.asu.edu/

### First-year student FAQs

**What does it mean to self-report my courses on the admission application?**
During the application process, you will be asked to enter all your courses and grades for school years 9 to 11 as they appear on your official high school transcript. You will also be asked to enter your in-progress courses for year 12.

**How do I enter my courses and grades into the admission application?**
To accurately enter all information, you must have your high school transcript when filling out the Required High School Courses section in My Grades. All semester, trimester, or quarter grades must be listed in the Required High School Courses section.

The information entered in the Required High School Courses section must match your official transcript if you have been admitted and intend to enroll. Any inaccurate information can result in your admission being revoked.

**Am I able to include college courses or dual credit courses I have taken while in high school on my admission application?**
Yes, the application gives you the option to self-report any college courses or dual credit courses you have taken before enrolling at ASU.

**What should I do if my high school lists my grades numerically?**
If your transcript includes a numerical grading scale, click on 100 point based in the Grading System section of your application and then you will select the number range for your grades in the Grades section.

**When do I submit my final transcripts for admission to ASU?**
If you have been admitted and intend to enroll at ASU, you will need to have your official high school transcripts sent directly to ASU once you graduate. Do not send any official transcripts during the application process or before you graduate.

**Source URL:** https://admission.asu.edu/contact/faqs

## Admission for homeschool students

### Homeschool students at ASU

Arizona State University welcomes homeschool students and recognizes the unique academic experiences these students contribute to our rich, scholarly environment. We have a growing community of home-educated students who thrive at ASU.

We understand that your academic background differs from students who attended traditional public, private or charter schools. As a homeschool student, you can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.

### Admission requirements

As a homeschool student, you must meet the general requirements for ASU admission, including specific documentation [1] with your application to confirm your completion of the requirements.

First-year student requirements [2]

Transfer student requirements [3]

## Steps to apply to ASU as a homeschool student

### Step 01: Complete an undergraduate admission application.

Apply online with ASU's Application for Admission [4] or the Common Application [5]. You need to submit only one application to be considered for admission to ASU.

To expedite the admission decision, self-report your high school grades [6] in the application.

ASU does not have a preference for which application you use to apply. ASU does not require an essay or personal statement in any of these options.

ASU's Application for Admission [4]
Common Application [5]

### Step 02: Submit the nonrefundable application fee

Arizona residents: $50
Domestic nonresidents: $70
International nonresidents: $85

You can pay using a credit card (Visa or Mastercard) or eCheck at the time you submit your application or when you log in to My ASU [7]. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services Applicant Processing
Arizona State University
PO Box 871004
Tempe AZ 85287-1004

If you applied for admission through the Common Application [5], pay the application fee through that application.

There is no form, paper or code to submit for an application fee waiver. If your financial circumstances qualify you for an application fee waiver, you will answer a series of questions in the application that will automatically qualify you and post to your account.

### Step 03: Transcripts

If you do not self-report your high school grades in the application, you must have your high school send an official copy of your transcripts [8] to ASU.

If you have earned college or university credit, request to have your official transcripts [8] sent to ASU from the issuing institution.

### Step 04: Laboratory science courses: (for online high schools ONLY)

ASU requires students to complete 3 different lab sciences. In order to determine if your lab sciences meet our lab science requirement, we may need additional information from you. If we require additional information once your admission application reaches our evaluation team, you will see a Priority Task displayed on your MyASU page titled 'Course Description'. You can provide the additional information required through one of the following:

1. You can have your high school submit your lab sciences to the courseapproval.asu.edu [9] website for ASU to review if it is not already listed on the website.
2. You can submit a course description form [10] for each lab science taken in an accredited online high school environment if not already approved for your entire high school to ASU's homeschool representative [11].
3. You can choose to be evaluated without some or all of your lab science requirements met. Note, if you choose this option, you may not be admissible to the university.

### Step 05: Send ACT or SAT scores (not required).

ACT or SAT scores are not required for admission, but may be submitted for ASU course placement and to meet aptitude requirements if you have less than a 3.00 GPA in your competency courses. To find the requirements for your specific program, please visit ASU's Degree Search [12]. Have your scores sent to ASU from ACT [13] or College Board [14] when you register for the test. Learn more about sending your test scores to ASU in our FAQ section [15].

### Step 06: Check application status.

Once you've completed all these steps, ASU will review your application. To see if you have any missing items and to review your admission status, log in to My ASU [7] using your ASURITE User ID, which is sent to you after you apply for admission.

### Step 07: Fill out the FAFSA.

The Free Application for Federal Student Aid is used to award grants, loans, Federal Work-Study and certain scholarships. We encourage you to compare financial aid and college costs [16]. You can file the FAFSA [17] now. ASU's Federal School Code is 001081.

### Step 08: Submit a secondary school education affidavit or high school transcript (if applicable).

Homeschool applicants may self-report their grades or send a homeschool transcript. A homeschool transcript is a list of courses you have taken and the credit and grade associated with each course. The transcript must include a signature from the parent or guardian who oversaw the education.

If you have completed courses through a traditional high school, you may self-report your grades or have your high school send an official copy of your transcripts [8] to ASU.

If you have coursework from both a traditional high school and from homeschool transcript (see above for requirements), please self-report grades for both or have a transcript sent to ASU.

If you have earned college or university credit, request to have your official transcripts [8] sent directly to ASU from the issuing institution.

Should a homeschool transcript not be available to submit and you only need proof of your high school graduation, you may complete the Affidavit of Completion of Secondary School Education [18], form in substitution of a homeschool transcript. The affidavit must be completed by a parent or guardian who oversaw the education.

## Admission to Barrett, The Honors College

Homeschool students who want to be considered for admission to Barrett, The Honors College [19] are encouraged to submit a separate application — early application is strongly suggested. Please contact the Barrett admission staff [20] for help with any questions about the college and application process.

## Scholarship opportunities

Homeschool students will be considered for ASU scholarships upon admission. Explore scholarships and additional types of financial aid [21]

## Frequently asked questions about homeschool student admission at ASU

**Can I be admitted to ASU as a homeschool student?**
Yes, ASU welcomes and values all our homeschool students and the special academic experiences they bring to the university. Homeschool students submit the same ASU admission application as students who went to public or private school.

**Are homeschool student admission requirements the same as high school student admission requirements?**
Yes, like public and private high school students, homeschool students must meet and demonstrate completion of ASU's general requirements for university admission [2].

**Can homeschool students apply for financial aid?**
Yes, homeschool students are eligible to apply for and receive financial aid. You should submit the Free Application for Federal Student Aid [17] to see how much federal aid you may be eligible to receive. By submitting ACT or SAT scores, ASU will automatically consider you upon admission for a merit scholarship.

View more FAQs [22]

**Source URL:** https://admission.asu.edu/apply/first-year/homeschool

**Links:**
[1] https://admission.asu.edu/first-year/homeschool/affidavit
[2] https://admission.asu.edu/first-year/apply
[3] https://admission.asu.edu/transfer/apply
[4] https://webapp4.asu.edu/uga_admissionsapp/
[5] https://apply.commonapp.org/Login?ma=901
[6] https://admission.asu.edu/first-year/self-reporting
[7] https://my.asu.edu/
[8] https://admission.asu.edu/apply/transcripts
[9] https://courseapproval.asu.edu/
[10] https://admission.asu.edu/sites/default/files/2022-02/science_form_home_school_applications-fillable.pdf
[11] https://admission.asu.edu/contact/undergraduate
[12] https://degrees.asu.edu/
[13] https://www.act.org/content/act/en/products-and-services/the-act/scores/sending-your-scores.html
[14] https://collegereadiness.collegeboard.org/sat/scores/sending-scores/how-to-send
[15] https://admission.asu.edu/contact/faqs#general
[16] https://admission.asu.edu/cost-aid
[17] https://fafsa.gov/
[18] https://admission.asu.edu/sites/default/files/2022-07/home-school-affidavit.pdf
[19] https://barretthonors.asu.edu/
[20] https://barretthonors.asu.edu/about/contact-us
[21] https://scholarships.asu.edu/
[22] https://admission.asu.edu/contact/faqs#freshman

## Homeschool transcript/affidavit of completion of secondary school education

**For homeschool students only.**
Homeschool applicants can submit their homeschool transcript with a signature from a parent/guardian to meet their proof of high school graduation. Should a homeschool transcript not be available, an Affidavit of Completion of Secondary School Education [1] can be completed in lieu of the homeschool transcript but note this affidavit will only meet the proof of high school graduation requirement. The affidavit must be completed/signed by the parent or guardian who oversaw the education.

Homeschool students without a high school transcript who need the high school transcript to meet the first year student requirement [2] may complete one of the following high school equivalency exams with scores mentioned below to fulfill their first year student requirement.

***GED** battery average score of
- 50 or above for tests taken between 1998-2001
- 500 or above for tests taken between 2002-2013
- 170 or above for tests taken after 2013

***HiSet** total score of 75

***TASC** (Test Assessing Secondary Completion):
- Minimum total score of 2700
- Minimum score of 500 on each of the five content areas
- Score 2 or above on essay

### Laboratory science for online high schools or non standard homeschool laboratory science courses

**For homeschool and online students only.**
ASU requires students to complete three different lab sciences. In order to determine if your lab sciences meet our lab science requirement, we may need additional information from you. If we require additional information once your admission application reaches our evaluation team, you will see a Priority Task displayed on your MyASU page titled "Course Description." You can provide the additional information required through one of the following:
1. You can have your high school submit your lab sciences to the courseapproval.asu.edu [3] website for ASU to review if it is not already listed on the website.
2. You can submit a course description form [4] for each lab science taken in an accredited online high school environment if not already approved for your entire high school to ASU's homeschool representative [5].
3. You can choose to be evaluated without some or all of your lab science requirements met. Note, if you choose this option, you may not be admissible to the university.

Affidavit of Completion of Secondary School Education [6]

Evaluation of Laboratory Science Courses [7]

**Having issues downloading a form?**
If you are having issues viewing one of the forms above, please follow these instructions:

1. Right-click on the link and choose "Save link as...," or similar depending on your browser.
2. Choose the location to save the form.
3. Navigate to the location of the saved form on your computer and double-click it to open.

**Source URL:** https://admission.asu.edu/apply/first-year/homeschool/affidavit

**Links:**
[1] https://admission.asu.edu/sites/default/files/2022-07/home-school-affidavit.pdf
[2] https://admission.asu.edu/first-year/apply
[3] https://courseapproval.asu.edu/
[4] https://admission.asu.edu/sites/default/files/2022-02/science_form_home_school_applications-fillable.pdf
[5] https://admission.asu.edu/contact/undergraduate
[6] https://admission.asu.edu/sites/default/files/2022-07/home-school-affidavit.pdf'
[7] https://admission.asu.edu/sites/default/files/2021-09/science_form_home_school_applications-fillable.pdf

# Transfer student admission

## How to complete the undergrad application as a transfer student

In the transfer admission video series below, learn how to apply to Arizona State University using the undergrad admission application. An ASU admission counselor guides you through each section of the application, answering frequently asked questions along the way.

### Your info

Your info video [1] on Youtube

The first step in completing the ASU undergraduate application is the My Information section. We walk you through each of these fields and address questions you might have about this section of the application.

### Academic history

Prior education video [2] on Youtube

The second section of the application focuses on your prior academic history, including high school and any colleges or universities you previously attended. Watch as we guide you through these scenarios and explain how to fill out each part based on your situation.

### Grades

My grades video on [3] Youtube

All students have the option to self-report high school grades in the My Grades section of the application, though self-reporting is not required. In this video, we walk you through this process and explain what courses you should include, how to add these courses to your application and more.

### Residency

Arizona residency video [4] on Youtube

The information you share in the residency portion of the undergraduate application helps the admission office determine if you are an in-state, out-of-state or international student. In this video, we cover these terms in detail and explain how to accurately fill out this part of your application.

### Choose a major

Choose degree video [5] on Youtube

One of the final sections of the undergraduate application is the Choose Major section. If you're unsure about what major is best for you, we offer resources that might help you decide. Of course, you can always change your major later.

### Submit

Submit video [6] on Youtube

Now all that's left is to review your application, submit it and pay the application fee. In this video, we review how to pay the application fee and what the next steps are now that you've submitted your application to ASU.

## The ASU transfer student admission process

Follow these steps to apply to Arizona State University as a transfer student.

### Step 01: Complete the undergraduate application for admission.

Apply online with ASU's Application for Admission [7] or the Common Application [8]. ASU accepts only one application. We have no preference between the ASU application or the Common Application. If two applications are submitted, one will be canceled in our system. Application fees are nonrefundable.

ASU's Application for Admission [7]
Common Application [8]

### Step 02: Activate My ASU and your ASURITE UserID

You will receive your ASURITE UserID and activation code via email within one to three business days of submitting your application. If you have previously applied to ASU, your ASURITE UserID will remain the same. You'll use your ASURITE UserID to login to My ASU.

### Step 03: Submit the nonrefundable transfer application fee

Arizona residents: $50
Domestic nonresidents: $80
ASU Online: $70
International nonresidents: $85

You can pay for the ASU application fee using a credit card (Visa or MasterCard) or eCheck at the time you submit your transfer application or when you log in to My ASU [9]. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services Applicant Processing
Arizona State University
PO Box 871004
Tempe, AZ 85287-1004

If you applied for admission through the Common Application [8], pay the application fee through that application.

### Step 04: Request to have your official transcripts sent to ASU

**College or university transcripts**
ASU requires official transcripts from all previous institutions attended in order to process your application. Please contact the registrar's office at your college or university and request your official transcripts be sent directly to Admission Services. Official transcripts delivered by hand will be accepted only if they are sealed in the original envelope provided by the community college or university and bear the university seal and the signature of the registrar of the issuing institution.

If your college or university uses Parchment, eSCRIP or National Clearinghouse to send electronic transcripts, please request that your institution send us your official transcripts by choosing Arizona State University on the request form.

Upon graduation or completion of your final semester at your current school, request a final transcript be sent directly to ASU Admission Services [10] to determine final admission status. Receipt of your final transcript impacts financial aid disbursement and your eligibility to register for classes. (Note: ASU does not accept faxed college transcripts.)

Find out more about transferring credits to ASU [11].

**High school transcripts**
If you haven't completed an associate degree or higher from a regionally accredited university or college you must submit one of the following:

- Official high school transcript with a graduation date
- Official GED/HiSet transcripts
- Affidavit of Completion of Secondary School Education

ASU accepts hand-delivered official high school transcripts in sealed envelopes from applicants. (ASU does not accept faxed high-school transcripts.)

**NOTE:** Transfer applicants with 24 or more transferable semester credit hours from a regionally accredited college or university, including previously completed ASU credits, and who will be 22 or older by the start of the requested semester of admission, will not be required to submit a high school transcript for admission. Once all prior college or university transcripts and outstanding admission items are received and verified, the high school transcript requirement will be waived. Transfer applicants are required to have graduated from an approved high school (or equivalent) prior to the semester of requested admission at ASU, and to include this information on the application for admission.

**Test scores**
If applicable, have your ACT or SAT scores sent directly to ASU. If you have taken AP, IB or CLEP exams, request your scores be sent directly to ASU.

Have your test scores (e.g., ACT, SAT, TOEFL) and official high school or college transcripts sent from the issuing institution to the address below.

Admission Services Applicant Processing
Arizona State University
PO Box 871004
Tempe, AZ 85287-1004

### Second bachelor degree students

Students seeking a second baccalaureate degree must meet admission criteria for that degree. High school transcripts are not required unless you have selected a higher requirement degree program that requires it. If admitted, a minimum of 30 credit hours in resident credit courses at ASU must be successfully completed to earn the second baccalaureate degree and all degree and university requirements of the second degree must be met. After admission, your academic advisor in your college will help you determine if there are enough courses to meet this criteria for your chosen program. For more information on additional degrees please visit https://catalog.asu.edu/ug_grad_req [12].

Are you an international transfer student? International transfer student information [13]

## Transfer and second bachelor student admission requirements

A transfer applicant is a student who has attended one or more colleges or universities and has completed 12 or more transferable credits post-high school. Students with 11 or fewer transferable credits are considered incoming freshmen.

### Competency requirement

You must have completed one of the following:

- graduated from high school
- earned a GED

### Aptitude requirement

**You must meet one of the following:**

- Transfer students with 12–23 transferable credits must also have a minimum 2.50 cumulative transfer GPA and meet first-year student admission requirements [14].
- Transfer students with 24 or more transferable credits must have a minimum 2.50 cumulative transfer GPA.

- Transfer students who have earned an associate degree or higher from a regionally accredited higher education institution must have a minimum 2.00 cumulative GPA (for Arizona residents) or 2.50 cumulative GPA (for nonresidents).

---

Some majors have higher admission requirements. To find the requirements for your specific program, please visit ASU's Degree Search [15].

"A" = 4.00; ASU accepts college-level courses in which you have earned a "C-" or better.

## Schedule a transfer appointment

Make a half-hour appointment with an ASU transfer specialist or college representative to learn more about studying at ASU and get all your questions answered.

Schedule an appointment [16]

## Important transfer deadlines

### Fall 2023:*

**Oct. 1, 2022**
2023-2024 FAFSA opens

**Jan. 15, 2023**
FAFSA priority date

**Feb. 1, 2023**
Priority admission deadline

**Late Feb. 2023**
Class registration begins

**Aug. 17, 2023**
Classes begin

### Spring 2024:

**Oct. 1, 2023**
FAFSA priority filing date

**Oct. 1, 2023**
Priority admission deadline

**Late Oct. 2023**
Class registration begins

**Dec. 2023**
Submit your final transcripts

**Jan. 8, 2024**
Classes begin

*Students must submit their FAFSA and application materials by Jan. 15 to be considered for ASU merit and need-based awards. Late applicants will be considered for university admission, but ASU undergraduate degree programs with higher transfer admission standards will give priority consideration to applications submitted by Feb. 1. You can find other important dates on ASU's academic calendar [17].

## Frequently asked questions about transferring to ASU

**What are ASU transfer requirements?**
To apply to ASU as a transfer student, you must have earned either a high school diploma or a GED. Additionally, you must have transferable college credits or an associate degree and meet GPA requirements.

**When should I apply to ASU? What are the application deadlines?**
ASU uses a rolling admission process that allows for a flexible time frame. ASU typically recommends that students start their steps to apply at least one semester prior to their starting term at ASU. It may take approximately two to six weeks to receive an admission decision once all requested materials are received. Although there are no “hard” deadlines to apply to ASU, there are a few priority dates to keep in mind if you’d like to maximize your opportunities for financial aid. You can review these dates, as well as admission requirements and steps to apply, at admission.asu.edu/transfer/apply [7].

**How do I apply for transfer admission to ASU?**
If you meet university admission requirements, you can apply for transfer admission by completing the undergraduate student application [7], paying the application fee, and having your official transcripts and test scores to ASU.

View more FAQs [19]

**Source URL:** https://admission.asu.edu/apply/transfer/admission

**Links:**
[1] https://www.youtube.com/watch?v=68o3q9HYvek
[2] https://www.youtube.com/watch?v=iYQIQgu2X2c
[3] https://www.youtube.com/watch?v=J7xwYf1NbTU
[4] https://www.youtube.com/watch?v=QvcgOihkme8
[5] https://www.youtube.com/watch?v=JSUsoRU-zl4
[6] https://www.youtube.com/watch?v=lcEiT0ylLJE
[7] https://webapp4.asu.edu/uga_admissionsapp/
[8] https://apply.commonapp.org/Login?ma=901
[9] https://my.asu.edu/
[10] https://admission.asu.edu/transcripts
[11] https://admission.asu.edu/transfer/transferring-credits
[12] https://catalog.asu.edu/ug_grad_req
[13] https://admission.asu.edu/contact/international
[14] https://admission.asu.edu/first-year/apply
[15] https://degrees.asu.edu/
[16] https://admission.asu.edu/contact/transfer
[17] https://students.asu.edu/academic-calendar
[18] https://admission.asu.edu/transfer/apply
[19] https://admission.asu.edu/contact/faqs#transfer

## Transfer student FAQs

**How do I know if I’m considered a transfer student?**
At ASU, a transfer student is anyone applying for admission who has attended another college or university and has completed 12 or more transferable credits post-high school, at the time of application. If you are completing college courses while in high school you are considered a freshman and not a transfer student.

**Do I have to take the ACT or SAT to transfer to ASU?**
It depends on your particular situation. If you transfer fewer than 24 transferable credits, you must also meet freshman admission requirements, which may require ACT and SAT scores. Also, some majors, such as business, require a particular ACT or SAT score for admission into the program. Take a peek at the ASU undergraduate Degree Search [1] for admission information specific to your major.

**Who can I speak with about my transfer to ASU?**
ASU’s expert transfer specialists are available to answer your questions and help with your transfer to ASU. Find your transfer specialist [2].

**Do I need to send my high school transcripts to apply for admission?**
Transfer applicants with 24 or more transferable semester credit hours from a regionally accredited college or university, and who will be 22 or older by the start of the requested semester of admission, will not be required to submit a high school transcript for admission. Once all prior college or university transcripts and outstanding admission items are received and verified, the high school transcript requirement will be waived. Transfer applicants are required to have graduated from an approved high school (or equivalent) prior to the semester of requested admission at ASU, and to include this information on the application for admission.

**Do I have to send all my college transcripts as part of my admission application?**
Yes, for ASU to determine whether you meet admission requirements, we must evaluate your entire academic history, including coursework completed at each college or university attended, regardless of academic performance. College transcripts should be sent directly from your college to:

ASU Admission Services
P.O. Box 871004
Tempe, AZ 85287-1004

**I attended ASU previously. Am I a transfer student or a readmission student? Do I need to reapply?**
If you have previously attended ASU as a degree-seeking student, you will be considered a readmission student. Please see readmission information [3].

**I applied to ASU and was admitted, but did not attend. Do I need to reapply?**
Yes, you need to reapply. Be sure to sign in to My ASU [4] to see if any additional items are needed to complete your file.

**Do I have to have an associate degree to transfer to ASU?**
No, you can transfer to ASU at any time as long as you meet the transfer admission requirements. However, ASU recommends attaining your associate degree before transferring.

**As a transfer student, how do I know how many credits can be applied toward my major?**
Once you are admitted, you'll work with your academic advisor and review your DARS (Degree Audit Report System) to see which credits apply to your major.

**What prerequisites do I need to complete before I can transfer to ASU?**
There are no prerequisites required to be admitted to ASU, unless you have fewer than 24 transferable credits. Students with fewer than 24 transferable credits are required to meet freshman admission requirements [5], including aptitude and competency requirements.

**Can I live on campus as a transfer student?**
Yes, ASU has housing devoted specifically to upper-division students and strongly encourages all students to live on campus during their first year at ASU. For more information, please refer to University Housing [6].

There are also a variety of off-campus housing options in close proximity to ASU’s campuses. For more information on off-campus housing, check out Off-Campus Housing [7].

**If I'm attending a California community college, is the IGETC/CSU GE required to transfer to ASU?**
The IGETC/CSU GE is not a requirement for admission to ASU but is highly recommended. Completing either of the GE patterns and getting certified by your community college will satisfy the General Studies requirements at ASU. Learn more about how to transfer to ASU from a California community college.

**What does it mean to get IGETC/CSU GE certified?**
Getting certified means you have completed all General Education requirements at your California community college. If you have confirmed with your community college counselor that you are eligible for the certification, ASU will require that you submit the official certification along with your official transcripts to Admission Services.

**Currently, I don't meet the Western Undergraduate Exchange admission requirements. Should I wait to apply?**
No. Even though you may not currently qualify for WUE, we will always re-evaluate your admission to the program if you currently have courses in progress and submit your final transcripts.

**I live in California but would like to meet with an ASU representative in person to discuss the transfer process. Is this possible?**
ASU representatives will be attending college transfer fairs and hosting various visits at community colleges throughout California. Find your transfer specialist [8] to ask about upcoming opportunities near you.

**How do my credits transfer to ASU?**
ASU awards transfer credit for college-level coursework as long as it was completed at a regionally accredited institution, you earned a grade of “C” or higher, and ASU offers an equivalent course. To see how your credits transfer to ASU, use our online Transfer Guide [9]. Click on Course Search to get started. Read more about how your credits transfer to ASU [10], and if you have additional questions, contact your transfer representative [8].

**When should I apply to ASU? What are the application deadlines?**
ASU uses a rolling admission process that allows for a flexible time frame. ASU typically recommends that students start their steps to apply at least one semester prior to their starting term at ASU. It may take approximately two to six weeks to receive an admission decision once all requested materials are received. Although there are no “hard” deadlines to apply to ASU, there are a few priority dates to keep in mind if you’d like to maximize your opportunities for financial aid. You can review these dates, as well as admission requirements and steps to apply, at admission.asu.edu/transfer/apply [11].

**How are pass/fail courses being accepted?**
If the transcript key or the institution provides information that indicates a Pass grade is comparable to a C- or higher, the course will be counted as transferable but will not be calculated in the student’s transfer GPA for admission. A Fail grade will be counted as an “F” and calculated in the student’s GPA accordingly.

**Will a pass/fail grade affect my transfer GPA to determine if I meet admission criteria?**
Pass grades are not counted in the GPA, but may be transferable to ASU if the institution or transcript indicates the “P” grade is comparable to a C- or better. Fail grades are calculated as an “F” and will impact your GPA.

**If I receive a pass/fail grade for a course, does it transfer to ASU?**
If the transcript key indicates a Pass grade is comparable to a C- or higher, the course will be counted as transferable but will not be calculated in your GPA. A Fail grade will be counted as an “F” and calculated in your GPA.

**If I receive a pass/fail grade, does it count toward my degree completion?**
If the institution or transcript indicates the “P” grade is comparable to a C- or better and the course is on your degree map, it will count toward degree completion.

**Can I be admitted to ASU with a pass/fail course on my transcripts?**
The admission criteria remains the same. We will look at all submitted information to determine admissibility to ASU.

**Can I be admitted into programs with higher admission requirements if I opt to receive a pass/fail grade for my courses?**
GPA and test scores will still be used to determine admissibility. Pass grades are not calculated into your GPA for admission purposes, but may still be transferable. Opting for a pass grade rather than a letter grade could impact your admissibility if you need to bring up your transfer GPA to meet the criteria for a program with higher requirements. If you have the option of being issued a pass grade or a letter grade, opt for the letter grade.

**Will ASU accept my AGEC completion with pass/fail grades on coursework?**
Yes.

**Will my associate degree transfer to ASU if I have coursework with a pass/fail grade?**
Yes. Any coursework with a Pass grade that the institution indicates is comparable to C- or better is transferable.

**Will pass/fail grades affect financial aid or scholarships that I receive from ASU?**
No, maintaining eligibility for ASU financial aid or scholarship is based on your ASU GPA.

**How does my coursework with grades transfer to ASU?**
Refer to admission.asu.edu/transfer/transferring-credits [12] for information on how credits transfer to ASU.

**How does academic renewal play into the evaluation process? For example, a community college agrees to grant academic renewal to a particular grade and exclude it from their GPA calculation. Would that also exclude the grade from our GPA calculation?**
If a grade was earned, ASU will calculate it into the transfer GPA for admission. Academic renewal at a prior institution does not carry over to ASU.

**Source URL:** https://admission.asu.edu/contact/faqs#transfer

**Links:**
[1] https://webapp4.asu.edu/programs
[2] https://transfer.asu.edu/contact
[3] https://admission.asu.edu/undergrad/readmission
[4] https://my.asu.edu/
[5] https://admission.asu.edu/first-year/apply
[6] https://asu.edu/housing
[7] https://offcampushousing.asu.edu/

[8] https://admission.asu.edu/contact/undergraduate
[9] https://webapp4.asu.edu/transfercreditguide/app/home?init=false&nopassive=true
[10] https://admission.asu.edu/transfer/transferring-credits
[11] https://admission.asu.edu/transfer/apply
[12] https://admission.asu.edu/transfer/transferring-credits

## Transfer to ASU from a college or university

### How does MyPath2ASU™ work?

MyPath2ASU® is ASU's transfer admission guarantee. We are dedicated to providing exceptional transfer resources and robust academic pathways to our students. MyPath2ASU® ensures that the courses you complete at your transfer institution align with ASU's requirements. Our transfer planning tool identifies the courses that directly apply to your ASU major, saving you time and money by ensuring a smooth credit transfer process.

From the Hopi reservation to the All-Arizona Academic Team, MyPath2ASU® helped make it possible for Angelica to turn her dreams into reality at ASU. As a first-generation transfer student, she overcame obstacles and discovered her passion for business administration. Discover how the personalized guidance and support of MyPath2ASU® empowered Angelica's journey.

Get started with MyPath2ASU® [1]
Search MyPath2ASU® majors [2]

Angelica's MyPath2ASU Transfer Student Story [3] from ASU Academic Alliances [4] on Vimeo [5].

### The MyPath2ASU® transfer process

#### Create MyPath2ASU® [6]

- Pick your ASU major
- Sign up for MyPath2ASU®
- Track progress towards transfer

#### Complete your MyPath

- Apply [7] to transfer to ASU
- Become a Sun Devil

#### Finish your ASU degree

- You’re one step closer to achieving your academic goals

### The benefits of transferring with MyPath2ASU®

#### Guaranteed general admission

Earn guaranteed general admission to ASU and to your MyPath2ASU® major of choice if all requirements are satisfied. (Some majors have additional or higher admission requirements.)

#### Self service transfer tools

Fully connect your academic progress to ASU by gaining direct access to self service transfer tools that provide information about course applicability and degree progress tracking.

#### Save

Save time and money by planning your path to degree completion.

#### Connect

Connect with transfer student ambassadors and ASU transfer coordinators, access pre-enrollment services, and receive invitations to special ASU events.

### Customized pathways

Select classes through customized course-by-course pathways to minimize loss of credit.

### Personalized communication

Prepare academically with personalized communication for your major of choice.

## Learn more by attending an ASU virtual event

### Fun Friday MyPath2ASU® Transfer aession

ASU's Transfer Student Ambassadors, current ASU students who transferred from community colleges to ASU, will share their transfer experiences and provide tips for a successful transfer. They will also demonstrate the steps to sign up for MyPath2ASU®, ASU's transfer pathway program, and explain the benefits of being on a pathway.

Sign up [8]

### Virtual visit options

Explore the many live-hosted sessions [9] with ASU enrollment and academic team members and current students who can answer your questions. Navigate the MyPath2ASU® transfer experience and learn more about ASU's admission and enrollment processes.

Sign Up [10]

## Your next steps to applying to ASU

As you're completing your community college coursework, if you have questions about the admission process, requirements or transcripts contact your transfer coordinator and they will be happy to help.

Or if you’re ready to apply to ASU, you can begin your application for admission up to a year before you are ready to transfer.

How and when to apply [11]
Contact a transfer coordinator [12]

If you signed a TAG agreement prior to summer 2017, find your degree program outline [13].

## College and university alliances

ASU strives to serve students and communities across Arizona and the country. Working in partnership with community colleges, local communities and other educational institutions, ASU specialty alliances offer high-demand programs for students in various modalities to allow customizable ways to finish their bachelor’s degree.
Maricopa – MyPath2ASU® [14]
AAS to BAS [15]
ASU at Pinal [16]
ASU at Yuma [17]
ASU at Yavapai [18]
ASU at TheGilaValley [19]
ASU at Cochise [20]
ASU at Pima [21]
ASU at Northeastern [22]
BYU-Idaho [23]
Acceso ASU [24]

## Admission requirements

*General university admission is guaranteed upon successful completion of the following conditions: 1) Completion of an associate degree from a regionally accredited higher education institution with a minimum 2.00 cumulative GPA (Arizona residents) or 2.50 cumulative GPA (nonresidents) or 2) completion of 24 or more transferable semester credits post-high school with a minimum cumulative transfer GPA of 2.50 (4.00=“A”) and verification of high school graduation or the equivalent. NOTE: Some ASU colleges and schools have additional or higher requirements for admission into their majors. Students will also need to submit an Arizona State University admission application, including an application fee and other required documents, such as official college/university transcripts. MyPath2ASU® pathway programs are based

on a minimum of 24 transfer credit hours; students with fewer than 24 credit transfer credit hours will need to meet the appropriate admission [11] requirements. International students will need to meet international admission requirements [25].

### Frequently asked questions about transfer pathway programs

**What is MyPath2ASU® and how does it affect my MAPP, TAG, or GPA agreement?**
MyPath2ASU® is a new set of customized tools to help students transfer from community college to ASU. It makes transferring colleges seamless by allowing students to plan their path to transfer into their major at ASU by taking the right classes. Your MAPP, TAG or GPA agreement has been updated to a MyPath2ASU®. No changes are necessary.

**When should I sign up for MyPath2ASU® and how long do I have to complete it?**
Students can sign up for MyPath2ASU® when they enroll in community college. Upon signing your MyPath2ASU® agreement, you have four academic years to complete a MyPath2ASU®.

**Can I change my major after I sign up for MyPath2ASU®?**
Yes, you can change your major.

If you are a student from Maricopa County Community College District you can update your pathway agreement by signing up for a new MAPP MyPath2ASU®. For all other students, you can change your pathway agreement by logging into My Transfer Guide account and updating your current MyPath2ASU® agreement.

View more FAQs [26]

**Source URL:** https://admission.asu.edu/apply/transfer/MyPath2ASU

**Links:**
[1] https://webapp4.asu.edu/transfercreditguide/app/institutionselection
[2] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[3] https://vimeo.com/829543219
[4] https://vimeo.com/user122096351
[5] https://vimeo.com/
[6] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[7] https://webapp4.asu.edu/uga_admissionsapp
[8] https://asu.zoom.us/webinar/register/WN_WhkynvP6RuqiDVkYDtEvtw
[9] https://visit.asu.edu/live-hosted-visit
[10] https://visit.asu.edu/live-hosted-visit
[11] https://admission.asu.edu/transfer/apply
[12] https://admission.asu.edu/contact/undergraduate
[13] https://webapp4.asu.edu/transfercreditguide/app/home
[14] https://admission.asu.edu/transfer/maricopa
[15] https://admission.asu.edu/transfer/aas-bas-pathways
[16] https://admission.asu.edu/transfer/pinal
[17] https://admission.asu.edu/transfer/asu-yuma
[18] https://admission.asu.edu/transfer/asuyavapai
[19] https://admission.asu.edu/transfer/the-gila-valley
[20] https://admission.asu.edu/transfer/asu-cochise
[21] https://admission.asu.edu/transfer/asu-pima
[22] https://admission.asu.edu/transfer/asu-northeastern-arizona
[23] https://admission.asu.edu/transfer/byu-idaho
[24] https://mexico.asu.edu/
[25] https://admission.asu.edu/international/undergrad-student
[26] https://admission.asu.edu/contact/faqs#transfer

## Maricopa Community College transfer students

### Welcome, Maricopa Community College students

Transferring from the Maricopa County Community College District to Arizona State University can be a smooth process when planned. As a Maricopa student, you have a couple of ways to earn your bachelor’s degree at ASU. Find what works best for you and we'll help you plan your path.

## MyPath2ASU®

MyPath2ASU® helps you plan and complete prescribed coursework designed for a smooth transition to ASU to earn your bachelor's degree.

**Sign up for MyPath2ASU®** [1]
**MyPath2ASU® majors** [2]

To view MyPath2ASU® majors from prior years visit our archive search tool [3].

### Watch this video to learn how to sign up and access your MyPath2ASU®!

How to Signup for MyPath2ASU (For Maricopa Students) [4]

### Get started with your MyPath2ASU® transfer experience

#### Step 01: Sign up for MyPath2ASU®

- Visit mapp.maricopa.edu [1]
- Enter your Maricopa Enterprise ID (MEID) and password and click Login.
- Identify your current transfer institution.
- Complete your profile.
- Choose from more than 400 on-campus and online pathways.

Sign up for MyPath2ASU® [1]

#### Step 02: Access ASU My Transfer Guide

- You will receive an ASURITE user ID via email about two weeks after signing up.
- Go to mypath2asu.asu.edu [5].
- Click Sign Up, then click Sign In below I have an ASU account.
- Sign in using your ASURITE user ID.

Access my Transfer Guide [6]

#### Step 03: View your transfer coursework

- Create your MyPath2ASU®.
- Favorite your pathway in My Transfer Guide (you do not need to sign up for MyPath2ASU® again because you've already signed up on the Maricopa website).
- Now you can log back in any time at mypath2asu.asu.edu [5] to keep track of your transfer coursework.

#### Step 04: Prepare to transfer to ASU

- Go to admission.asu.edu/transfer/apply [7] to review admission requirements and steps to apply.
- Apply to ASU one year before completing your MyPath2ASU® (six months if you are transferring in the spring semester). Report your ASU ID number on the application.
- Use the same ASURITE user ID to track your application status on my.asu.edu [8].

### Learn more by attending an ASU virtual event

#### Explore your visit options

Brooklyn's ASU Transfer Story [9]

Welcome all transfer students. Explore the many live-hosted sessions [10] with ASU enrollment and academic team members and current students who can answer your questions. Navigate the MyPath2ASU® transfer experience and learn more about ASU's admission and enrollment processes. Explore each of our campuses through live-hosted virtual visit [10] experiences, walking tours [11] and on-demand virtual tours [12].

Sign up [10]

## MyPath2ASU® benefits

MyPath2ASU® is your suite of customized self-service transfer tools.

### Guaranteed general admission

Earn guaranteed general admission to ASU and to your MyPath2ASU™ major of choice if all requirements are satisfied. (Some majors have additional or higher admission requirements.)

### Self service transfer tools

Fully connect your academic progress to ASU by gaining direct access to self service transfer tools that provide information about course applicability and degree progress tracking.

### Save

Save time and money by planning your path to degree completion.

### Connect

Connect with transfer student ambassadors and ASU transfer coordinators, access pre-enrollment services, and receive invitations to special ASU events.

### Customized pathways

Select classes through customized course-by-course pathways to minimize loss of credit.

### Personalized communication

Prepare academically with personalized communication for your major of choice.

## Maricopa Community Colleges MyPath2ASU® tools and resources

### Transfer Guide

Learn how credits from other colleges and universities that you have attended will transfer to ASU. Search for ASU course equivalencies or request a transfer course evaluation.

More about the Transfer Guide [13]

### ASU career services

As a MyPath2ASU® student, you'll have access ASU Career and Professional Development Services, career advising, career assessment and job search tools. You will need your ASURITE UserID and password to access services. Note that some services have fees.

**Go to career services** [14]

## AAS to BAS: Bachelor of Applied Science

Bachelor of Applied Science degrees are designed specifically for students who have earned an Associate of Applied Science.

- Students who have earned an AAS from a regionally accredited institution may transfer **60 credit hours** toward their BAS.
- Students who have earned an AAS degree from a regionally accredited Arizona community college may be eligible to transfer **up to 75 credits** toward their BAS.

Plan to meet with an academic advisor to ensure your courses will meet degree requirements.

[Archivist's note: By college MCCCD search tool unable to be archived]

## FAQ (For students)

**Where can I see current (2022–2023) transfer pathways?**
Visit MyPath2ASU® [2] to access transfer requirements for 400+ ASU degree programs. Courses are displayed in an easy-to-follow, semester-by-semester sequence.

**What do I need to do if I signed up already?**
There is no need to sign up again unless it has been more than four years since you signed up, or if you are changing your major or moving to a newer catalog year. If you signed up for a 2020–2021 or 2021–2022 pathway, it is still accessible through the search tool on this page.

**Will Maricopa Community College transcripts still be sent to ASU for students who sign up for pathway programs?**
Yes, there will be no interruption of the transcript-sending service for students signing up for a pathway program regardless of the academic year.

**What do I need to do if I want to change my major?**
As always, students who signed up for a MAPP and want to change to a different major will need to sign up for the new major through mapp.maricopa.edu [1]. Consult your community college academic advisor first to understand potential consequences of making a program plan change.

**Who should I contact if I have questions?**
The ASU transfer coordinator [15] assigned to your community college and your community college academic advisor can assist you with MyPath2ASU®.

I'm ready to apply [16]

**Source URL:** https://admission.asu.edu/transfer/maricopa

**Links:**
[1] https://mapp.maricopa.edu/
[2] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[3] https://admission.asu.edu/transfer/maricopa-mapp-archive
[4] https://vimeo.com/764657483
[5] http://mypath2asu.asu.edu/
[6] http://tcg.asu.edu/
[7] http://admission.asu.edu/transfer/apply
[8] http://my.asu.edu/
[9] https://vimeo.com/820642699
[10] https://visit.asu.edu/live-hosted-visit
[11] https://visit.asu.edu/schedule
[12] https://tours.asu.edu/
[13] https://webapp4.asu.edu/transfercreditguide/app/home
[14] https://eoss.asu.edu/cs
[15] https://admission.asu.edu/contact/undergraduate
[16] https://admission.asu.edu/apply/transfer/admission

## Associate of Applied Science to Bachelor of Applied Science

Bachelor of Applied Science degrees are designed specifically for students who have earned an Associate of Applied Science.

- Students who have earned an AAS from a regionally accredited institution may transfer 60 credit hours toward their BAS.
- Students who have earned an AAS degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward their BAS.

Plan to meet with an academic advisor to ensure your courses will meet degree requirements. Bachelor of Applied Science degrees are paired with Associate of Applied Science degrees listed by community college partners.

Arizona Western College [1]
Central Arizona College [1]
Cochise College [1]
Coconino Community College [1]
Diné College [1]
Diné College [1]
Eastern Arizona College [1]
Gila Community College [1]
Maricopa Community Colleges [2]
Mohave Community College [1]
Northland Pioneer College [1]
Pima Community College [1]
Tohono O'odham Community College [1]
Yavapai College [1]

## Arizona Western College

- Accounting [3]
- Air Conditioning [4]
- Air Conditioning STEM Emphasis [5]
- Applied Agriculture [6]
- Automotive Technology [7]
- Automotive Technology (STEM Emphasis) [8]
- Broadcasting [9]
- Business [10]
- Carpentry [11]
- Carpentry (STEM Emphasis) [12]
- Community Health Worker [13]
- Computer Graphics [14]
- Computer Information Systems [15]
- Construction Trades Management [16]
- Construction Trades Management (STEM Emphasis) [17]
- Culinary Arts [18]
- Culinary Arts (General Education Emphasis) [19]
- Drafting CAD Technology [20]
- Drafting CAD Technology (STEM Emphasis) [21]
- Early Childhood Education [22]
- Electrical Technology [23]
- Electrical Technology (STEM Emphasis) [24]
- Emergency and Disaster Management [25]
- Emergency Medical Services: Paramedic [26]
- Fire Science [27]
- Industrial Technology [28]
- Industrial Technology (STEM Emphasis) [29]
- Informatics [30]
- Manufacturing [31]
- Massage Therapy [32]
- Media Arts [33]
- Medical Assistant [34]
- Nursing [35]
- Paralegal Studies [36]
- Plumbing [37]
- Plumbing (STEM Emphasis) [38]
- Radiologic Technology [39]
- Solar Photovoltaic Installation [40]
- Solar Photovoltaic Installation (STEM Emphasis) [41]
- Television Production [42]
- Welding [43]
- Welding Technology (STEM Emphasis) [44]

## Central Arizona College

- Accounting [45]
- Agribusiness [46]
- Automated Industrial Technology [47]
- Business [48]
- Computer Business Applications [49]
- Culinary Arts [50]
- Diesel Technology [51]
- Digital Media Arts [52]
- Early Childhood Education [53]
- Early Childhood Education - Infant-Toddler [54]
- Equine Management and Training [55]
- Fire Science Technology [56]
- Health Information Management [57]
- Heavy Equipment Operator [58]
- Hotel and Restaurant Management [59]
- Justice Studies [60]
- Justice Studies [61]
- Live Audio and Lighting [62]
- Massage Therapy [63]
- Medical Assistant [64]
- Medical Laboratory Technician [65]
- Networking Technologies [66]
- Nursing [67]
- Nutrition and Dietetic Technician [68]
- Paramedicine [69]
- Pipe Welding [70]
- Popular Music Performance [71]
- Radiologic Technology [72]
- Recording Engineering [73]
- Software Development [74]
- Structural Fabrication Welding [75]

## Cochise College

- Animal Science [76]
- Automotive Technology [77]
- Building Construction Technology [78]
- Business Management [79]
- Cisco and Linux Networking [80]
- Computer Information Systems [81]
- Computer Programming [82]
- Crop Science [83]
- Culinary Arts [84]
- Cybersecurity [85]
- Digital Media Arts [86]
- Early Childhood Care and Education [87]
- Education [88]
- Intelligence Operations Studies [89]
- Law Enforcement [90]
- Network Technology [91]
- Nursing [92]
- Paramedicine [93]
- Professional Pilot Technology [94]
- Residential Construction Technology [95]
- Unmanned Aerial Vehicle Flight Operator [96]
- Unmanned Aircraft Systems Technician [97]
- Welding Technology [98]

## Coconino Community College

- Administration of Justice [99]
- Business, Accounting Specialization [100]
- Business, Business Specialization [101]
- Computer Technology [102]
- Construction and Industry Trades [103]
- Construction Technology [104]
- Cybersecurity [105]
- Environmental Technology: Alternative Energy Technician [106]
- Fire Science [107]
- Hospitality Management, Hotel Emphasis [108]
- Hospitality Management, Restaurant Emphasis [109]
- Medical Office Management [110]
- Nursing [111]
- Paramedic Studies [112]
- Pre Health Careers [113]
- Sustainable Green Building [114]

## Diné College

- Business Management [115]
- Office Administration [116]

## Eastern Arizona College

- Administration of Justice [117]
- Advanced Manufacturing Technology [118]
- Automotive Service Technology [119]
- Business [120]
- Computer Assisted Design and Drafting Technology [121]
- Computer Information Specialist [122]
- Cosmetology [123]
- Early Childhood Education [124]
- Early Childhood Education - BAS Track [125]
- Electrical & Instrumentation Technology [126]
- Environmental Technology [127]
- Fire Science [128]
- Graphic Design [129]
- Media Communications [130]
- Nursing [131]
- Personal Trainer [132]
- Small Business Management [133]
- Welding Technology [134]

## Gila Community College

- Administration of Justice [135]
- Administration of Justice - BAS Track [136]
- Advanced Manufacturing Technology [137]
- Automotive Service Technology [138]
- Business [139]
- Computer Assisted Design and Drafting Technology [140]
- Computer Information Specialist [141]
- Cosmetology [142]
- Early Childhood Education [143]
- Early Childhood Education - BAS Track [144]
- Electrical & Instrumentation Technology [145]
- Environmental Technology [146]
- Fire Science [147]
- Graphic Design [148]
- Media Communications [149]
- Nursing [150]
- Personal Trainer [151]
- Small Business Management [152]
- Welding Technology [153]

## Mohave Community College

- Accounting [154]
- Business and Entrepreneurship [155]
- Computer Graphics and Web Design [156]
- Computer Information Systems Administration [157]
- Culinary Arts Management [158]
- Cybersecurity and Network Support [159]
- Dental Hygiene [160]
- Fire Science [161]
- Health Care Information Technician [162]
- Nursing - Registered Nursing (RN) [163]
- Paralegal [164]
- Paramedic Emphasis [165]
- Physical Therapist Assistant [166]
- Radiologic Technology [167]
- Surgical Technology [168]
- Surgical Technology, CST Pathway [169]

## Northland Pioneer College

- Automotive Technology [170]
- CIS-Software and Web Development [171]
- Computer Information Systems [172]
- Construction Technology [173]
- Cosmetology [174]
- Cybersecurity [175]
- Early Childhood Studies [176]
- EIT Electrical [177]
- EIT Electrical and Instrumentation [178]
- EIT Industrial Electrical, Motors, and PLC's [179]
- EIT Industrial Mechanics and Fluid Power [180]
- EIT Industrial Plant Operations [181]
- EIT Instrumentation [182]
- EIT Mechanical Maintenance [183]
- EIT Operations/Maintenance [184]
- Entrepreneurship [185]
- Film and Digital Video [186]
- Fire Science [187]
- LNA to RN [188]
- LPN to RN [189]
- Management and Leadership [190]
- Medical Assistant [191]
- Medical Office Administration [192]
- Paramedic to Nursing [193]
- Paramedicine [194]
- Therapeutic Massage Program [195]
- Welding [196]

## Pima Community College

- Accounting [197]
- Automotive Industrial Technology [198]
- Automotive Technology [199]
- Aviation Technology - Structural Repair Concentration [200]
- Aviation Technology- Aircraft Airframe Mechanics Concentration [201]
- Aviation Technology- Aircraft Powerplant Mechanics Concentration [202]
- Building & Construction Technologies [203]
- Business [204]
- Clinical Research Coordinator [205]
- Computer Aided Design - Construction Concentration [206]
- Computer Aided Design - Mechanical/Electro-Mechanical Concentration [207]
- Cyber Security [208]
- Dental Hygiene [209]
- Dental Laboratory Technology [210]
- Digital Arts - Design Concentration [211]
- Digital Arts - Web Design Concentration [212]

- Digital Film Arts & Animation- Digital and Film Arts Concentration [213]
- Digital Film Arts & Animation- Digital Animation Concentration [214]
- Digital Game and Simulation, Digital Animation and Production Concentration [215]
- Digital Game and Simulation, Digital Programming Concentration [216]
- Early Childhood Studies [217]
- Emergency Medical Technology - Paramedic [218]
- Fire and Emergency Services Higher Education (FESHE) [219]
- Health Information Technology [220]
- Hospitality Leadership, Baking & Pastry Concentration [221]
- Hospitality Leadership, Culinary Concentration [222]
- Hospitality Leadership, Hotel/Restaurant Management Concentration [223]
- Hospitality Leadership, Hotel/Restaurant Management Transfer Concentration [224]
- Justice Professions, Administration of Justice Concentration [225]
- Justice Professions, Law Enforcement Concentration [226]
- Logistics and Supply Chain Management [227]
- Machine Tool Technology [228]
- Medical Laboratory Technician [229]
- Networking/ Cyber Defense [230]
- Nursing [231]
- Paralegal [232]
- Programmer/Cyber Security Analyst [233]
- Radiologic Technology [234]
- Respiratory Care [235]
- Social Services [236]
- Surgical Technology [237]
- Veterinary Technician [238]
- Welding and Fabrication [239]

### Tohono O'odham Community College

- Business Management [240]
- Computer Information Systems [241]
- Early Childhood Education [242]

### Yavapai College

- Accounting [243]
- Administration of Justice [244]
- Administrative Professional [245]
- Agriculture Technology Management [246]
- Applied Pre-Engineering [247]
- Automotive Technology [248]
- Aviation Technology (Airplane/Helicopter/Ops/UAS) [249]
- Computer Networking Technology [250]
- Computer Systems and Applications [251]
- Diesel Technician [252]
- Early Childhood Education [253]
- Electrical and Instrumentation Technology [254]
- Emergency Management Applications [255]
- Fire Science [256]
- Graphic Design [257]
- Gunsmithing [258]
- Health Information Technology [259]
- Industrial Machine Mechanic [260]
- Management [261]
- Medical Assistant [262]
- Nursing [263]
- Paralegal Studies [264]
- Paramedicine [265]
- Radiologic Technology [266]
- Social and Human Services [267]
- Video Game Development [268]
- Viticulture and Enology [269]

**Source URL:** https://admission.asu.edu/transfer/aas-bas-pathways

**Links:**
[1] https://admission.asu.edu/transfer/aas-bas-pathways
[2] https://admission.asu.edu/transfer/maricopa
[3] https://admission.asu.edu/aas-bas/accounting-2?comm-college=Arizona%20Western%20College
[4] https://admission.asu.edu/aas-bas/air-conditioning?comm-college=Arizona%20Western%20College
[5] https://admission.asu.edu/aas-bas/air-conditioning-stem-emphasis?comm-college=Arizona%20Western%20College
[6] https://admission.asu.edu/aas-bas/applied-agriculture?comm-college=Arizona%20Western%20College
[7] https://admission.asu.edu/aas-bas/automotive-technology-3?comm-college=Arizona%20Western%20College
[8] https://admission.asu.edu/aas-bas/automotive-technology-stem-emphasis?comm-college=Arizona%20Western%20College

[9] https://admission.asu.edu/aas-bas/broadcasting?comm-college=Arizona%20Western%20College
[10] https://admission.asu.edu/aas-bas/business?comm-college=Arizona%20Western%20College
[11] https://admission.asu.edu/aas-bas/carpentry?comm-college=Arizona%20Western%20College
[12] https://admission.asu.edu/aas-bas/carpentry-stem-emphasis?comm-college=Arizona%20Western%20College
[13] https://admission.asu.edu/aas-bas/community-health-worker?comm-college=Arizona%20Western%20College
[14] https://admission.asu.edu/aas-bas/computer-graphics?comm-college=Arizona%20Western%20College
[15] https://admission.asu.edu/aas-bas/computer-information-systems-2?comm-college=Arizona%20Western%20College
[16] https://admission.asu.edu/aas-bas/construction-trades-management?comm-college=Arizona%20Western%20College
[17] https://admission.asu.edu/aas-bas/construction-trades-management-stem-emphasis?comm-college=Arizona%20Western%20College
[18] https://admission.asu.edu/aas-bas/culinary-arts?comm-college=Arizona%20Western%20College
[19] https://admission.asu.edu/aas-bas/culinary-arts-general-education-emphasis?comm-college=Arizona%20Western%20College
[20] https://admission.asu.edu/aas-bas/drafting-cad-technology?comm-college=Arizona%20Western%20College
[21] https://admission.asu.edu/aas-bas/drafting-cad-technology-stem-emphasis?comm-college=Arizona%20Western%20College
[22] https://admission.asu.edu/aas-bas/early-childhood-education?comm-college=Arizona%20Western%20College
[23] https://admission.asu.edu/aas-bas/electrical-technology?comm-college=Arizona%20Western%20College
[24] https://admission.asu.edu/aas-bas/electrical-technology-stem-emphasis?comm-college=Arizona%20Western%20College
[25] https://admission.asu.edu/aas-bas/emergency-and-disaster-management?comm-college=Arizona%20Western%20College
[26] https://admission.asu.edu/aas-bas/emergency-medical-services-paramedic?comm-college=Arizona%20Western%20College
[27] https://admission.asu.edu/aas-bas/fire-science-6?comm-college=Arizona%20Western%20College
[28] https://admission.asu.edu/aas-bas/industrial-technology?comm-college=Arizona%20Western%20College
[29] https://admission.asu.edu/aas-bas/industrial-technology-stem-emphasis?comm-college=Arizona%20Western%20College
[30] https://admission.asu.edu/aas-bas/informatics?comm-college=Arizona%20Western%20College
[31] https://admission.asu.edu/aas-bas/manufacturing?comm-college=Arizona%20Western%20College
[32] https://admission.asu.edu/aas-bas/massage-therapy-0?comm-college=Arizona%20Western%20College
[33] https://admission.asu.edu/aas-bas/media-arts?comm-college=Arizona%20Western%20College
[34] https://admission.asu.edu/aas-bas/medical-assistant?comm-college=Arizona%20Western%20College
[35] https://admission.asu.edu/aas-bas/nursing-14?comm-college=Arizona%20Western%20College
[36] https://admission.asu.edu/aas-bas/paralegal-studies-1?comm-college=Arizona%20Western%20College
[37] https://admission.asu.edu/aas-bas/plumbing?comm-college=Arizona%20Western%20College
[38] https://admission.asu.edu/aas-bas/plumbing-stem-emphasis?comm-college=Arizona%20Western%20College
[39] https://admission.asu.edu/aas-bas/radiologic-technology-3?comm-college=Arizona%20Western%20College
[40] https://admission.asu.edu/aas-bas/solar-photovoltaic-installation?comm-college=Arizona%20Western%20College
[41] https://admission.asu.edu/aas-bas/solar-photovoltaic-installation-stem-emphasis?comm-college=Arizona%20Western%20College
[42] https://admission.asu.edu/aas-bas/television-production?comm-college=Arizona%20Western%20College
[43] https://admission.asu.edu/aas-bas/welding-0?comm-college=Arizona%20Western%20College
[44] https://admission.asu.edu/aas-bas/welding-technology-stem-emphasis?comm-college=Arizona%20Western%20College
[45] https://admission.asu.edu/aas-bas/accounting-5?comm-college=Central%20Arizona%20College
[46] https://admission.asu.edu/aas-bas/agribusiness?comm-college=Central%20Arizona%20College
[47] https://admission.asu.edu/aas-bas/automated-industrial-technology-0?comm-college=Central%20Arizona%20College
[48] https://admission.asu.edu/aas-bas/business-1?comm-college=Central%20Arizona%20College
[49] https://admission.asu.edu/aas-bas/computer-business-applications?comm-college=Central%20Arizona%20College
[50] https://admission.asu.edu/aas-bas/culinary-arts-1?comm-college=Central%20Arizona%20College
[51] https://admission.asu.edu/aas-bas/diesel-technology?comm-college=Central%20Arizona%20College
[52] https://admission.asu.edu/aas-bas/digital-media-arts-1?comm-college=Central%20Arizona%20College
[53] https://admission.asu.edu/aas-bas/early-childhood-education-8?comm-college=Central%20Arizona%20College
[54] https://admission.asu.edu/aas-bas/early-childhood-education-infant-toddler?comm-college=Central%20Arizona%20College
[55] https://admission.asu.edu/aas-bas/equine-management-and-training?comm-college=Central%20Arizona%20College
[56] https://admission.asu.edu/aas-bas/fire-science-technology?comm-college=Central%20Arizona%20College
[57] https://admission.asu.edu/aas-bas/health-information-management?comm-college=Central%20Arizona%20College
[58] https://admission.asu.edu/aas-bas/heavy-equipment-operator?comm-college=Central%20Arizona%20College
[59] https://admission.asu.edu/aas-bas/hotel-and-restaurant-management?comm-college=Central%20Arizona%20College
[60] https://admission.asu.edu/aas-bas/justice-studies-0?comm-college=Central%20Arizona%20College

[61] https://admission.asu.edu/aas-bas/justice-studies?comm-college=Central%20Arizona%20College
[62] https://admission.asu.edu/aas-bas/live-audio-and-lighting?comm-college=Central%20Arizona%20College
[63] https://admission.asu.edu/aas-bas/massage-therapy-1?comm-college=Central%20Arizona%20College
[64] https://admission.asu.edu/aas-bas/medical-assistant-2?comm-college=Central%20Arizona%20College
[65] https://admission.asu.edu/aas-bas/medical-laboratory-technician?comm-college=Central%20Arizona%20College
[66] https://admission.asu.edu/aas-bas/networking-technologies?comm-college=Central%20Arizona%20College
[67] https://admission.asu.edu/aas-bas/nursing-13?comm-college=Central%20Arizona%20College
[68] https://admission.asu.edu/aas-bas/nutrition-and-dietetic-technician?comm-college=Central%20Arizona%20College
[69] https://admission.asu.edu/aas-bas/paramedicine-6?comm-college=Central%20Arizona%20College
[70] https://admission.asu.edu/aas-bas/pipe-welding?comm-college=Central%20Arizona%20College
[71] https://admission.asu.edu/aas-bas/popular-music-performance?comm-college=Central%20Arizona%20College
[72] https://admission.asu.edu/aas-bas/radiologic-technology-1?comm-college=Central%20Arizona%20College
[73] https://admission.asu.edu/aas-bas/recording-engineering?comm-college=Central%20Arizona%20College
[74] https://admission.asu.edu/aas-bas/software-development?comm-college=Central%20Arizona%20College
[75] https://admission.asu.edu/aas-bas/structural-fabrication-welding?comm-college=Central%20Arizona%20College
[76] https://admission.asu.edu/aas-bas/animal-science?comm-college=Cochise%20College
[77] https://admission.asu.edu/aas-bas/automotive-technology-0?comm-college=Cochise%20College
[78] https://admission.asu.edu/aas-bas/building-construction-technology?comm-college=Cochise%20College
[79] https://admission.asu.edu/aas-bas/business-management-1?comm-college=Cochise%20College
[80] https://admission.asu.edu/aas-bas/cisco-and-linux-networking?comm-college=Cochise%20College
[81] https://admission.asu.edu/aas-bas/computer-information-systems-1?comm-college=Cochise%20College
[82] https://admission.asu.edu/aas-bas/computer-programming?comm-college=Cochise%20College
[83] https://admission.asu.edu/aas-bas/crop-science?comm-college=Cochise%20College
[84] https://admission.asu.edu/aas-bas/culinary-arts-0?comm-college=Cochise%20College
[85] https://admission.asu.edu/aas-bas/cybersecurity-11?comm-college=Cochise%20College
[86] https://admission.asu.edu/aas-bas/digital-media-arts?comm-college=Cochise%20College
[87] https://admission.asu.edu/aas-bas/early-childhood-care-and-education?comm-college=Cochise%20College
[88] https://admission.asu.edu/aas-bas/education?comm-college=Cochise%20College
[89] https://admission.asu.edu/aas-bas/intelligence-operations-studies?comm-college=Cochise%20College
[90] https://admission.asu.edu/aas-bas/law-enforcement?comm-college=Cochise%20College
[91] https://admission.asu.edu/aas-bas/network-technology?comm-college=Cochise%20College
[92] https://admission.asu.edu/aas-bas/nursing-0?comm-college=Cochise%20College
[93] https://admission.asu.edu/aas-bas/paramedicine-5?comm-college=Cochise%20College
[94] https://admission.asu.edu/aas-bas/professional-pilot-technology?comm-college=Cochise%20College
[95] https://admission.asu.edu/aas-bas/residential-construction-technology?comm-college=Cochise%20College
[96] https://admission.asu.edu/aas-bas/unmanned-aerial-vehicle-flight-operator?comm-college=Cochise%20College
[97] https://admission.asu.edu/aas-bas/unmanned-aircraft-systems-technician?comm-college=Cochise%20College
[98] https://admission.asu.edu/aas-bas/welding-technology-0?comm-college=Cochise%20College
[99] https://admission.asu.edu/aas-bas/administration-justice-0?comm-college=Coconino%20Community%20College
[100] https://admission.asu.edu/aas-bas/business-accounting-specialization?comm-college=Coconino%20Community%20College
[101] https://admission.asu.edu/aas-bas/business-business-specialization?comm-college=Coconino%20Community%20College
[102] https://admission.asu.edu/aas-bas/computer-technology?comm-college=Coconino%20Community%20College
[103] https://admission.asu.edu/aas-bas/construction-and-industry-trades?comm-college=Coconino%20Community%20College
[104] https://admission.asu.edu/aas-bas/construction-technology-1?comm-college=Coconino%20Community%20College
[105] https://admission.asu.edu/aas-bas/cybersecurity-9?comm-college=Coconino%20Community%20College
[106] https://admission.asu.edu/aas-bas/environmental-technology-alternative-energy-technician?comm-college=Coconino%20Community%20College
[107] https://admission.asu.edu/aas-bas/fire-science-5?comm-college=Coconino%20Community%20College
[108] https://admission.asu.edu/aas-bas/hospitality-management-hotel-emphasis?comm-college=Coconino%20Community%20College
[109] https://admission.asu.edu/aas-bas/hospitality-management-restaurant-emphasis?comm-college=Coconino%20Community%20College
[110] https://admission.asu.edu/aas-bas/medical-office-management?comm-college=Coconino%20Community%20College
[111] https://admission.asu.edu/aas-bas/nursing-12?comm-college=Coconino%20Community%20College
[112] https://admission.asu.edu/aas-bas/paramedic-studies?comm-college=Coconino%20Community%20College
[113] https://admission.asu.edu/aas-bas/pre-health-careers?comm-college=Coconino%20Community%20College
[114] https://admission.asu.edu/aas-bas/sustainable-green-building?comm-college=Coconino%20Community%20College
[115] https://admission.asu.edu/aas-bas/business-management-0?comm-college=Din%C3%A9%20College

[116] https://admission.asu.edu/aas-bas/office-administration?comm-college=Din%C3%A9%20College
[117] https://admission.asu.edu/aas-bas/administration-justice-2?comm-college=Eastern%20Arizona%20College
[118] https://admission.asu.edu/aas-bas/advanced-manufacturing-technology?comm-college=Eastern%20Arizona%20College
[119] https://admission.asu.edu/aas-bas/automotive-service-technology?comm-college=Eastern%20Arizona%20College
[120] https://admission.asu.edu/aas-bas/business-0?comm-college=Eastern%20Arizona%20College
[121] https://admission.asu.edu/aas-bas/computer-assisted-design-and-drafting-technology?comm-college=Eastern%20Arizona%20College
[122] https://admission.asu.edu/aas-bas/computer-information-specialist?comm-college=Eastern%20Arizona%20College
[123] https://admission.asu.edu/aas-bas/cosmetology?comm-college=Eastern%20Arizona%20College
[124] https://admission.asu.edu/aas-bas/early-childhood-education-5?comm-college=Eastern%20Arizona%20College
[125] https://admission.asu.edu/aas-bas/early-childhood-education-bas-track-0?comm-college=Eastern%20Arizona%20College
[126] https://admission.asu.edu/aas-bas/electrical-instrumentation-technology?comm-college=Eastern%20Arizona%20College
[127] https://admission.asu.edu/aas-bas/environmental-technology?comm-college=Eastern%20Arizona%20College
[128] https://admission.asu.edu/aas-bas/fire-science-3?comm-college=Eastern%20Arizona%20College
[129] https://admission.asu.edu/aas-bas/graphic-design-2?comm-college=Eastern%20Arizona%20College
[130] https://admission.asu.edu/aas-bas/media-communications-0?comm-college=Eastern%20Arizona%20College
[131] https://admission.asu.edu/aas-bas/nursing-11?comm-college=Eastern%20Arizona%20College
[132] https://admission.asu.edu/aas-bas/personal-trainer-0?comm-college=Eastern%20Arizona%20College
[133] https://admission.asu.edu/aas-bas/small-business-management-0?comm-college=Eastern%20Arizona%20College
[134] https://admission.asu.edu/aas-bas/welding-technology-1?comm-college=Eastern%20Arizona%20College
[135] https://admission.asu.edu/aas-bas/administration-justice?comm-college=Gila%20Community%20College
[136] https://admission.asu.edu/aas-bas/administration-justice-bas-track?comm-college=Gila%20Community%20College
[137] https://admission.asu.edu/aas-bas/advanced-manufacturing-technology-0?comm-college=Gila%20Community%20College
[138] https://admission.asu.edu/aas-bas/automotive-service-technology-0?comm-college=Gila%20Community%20College
[139] https://admission.asu.edu/aas-bas/business-2?comm-college=Gila%20Community%20College
[140] https://admission.asu.edu/aas-bas/computer-assisted-design-and-drafting-technology-0?comm-college=Gila%20Community%20College
[141] https://admission.asu.edu/aas-bas/computer-information-specialist-0?comm-college=Gila%20Community%20College
[142] https://admission.asu.edu/aas-bas/cosmetology-0?comm-college=Gila%20Community%20College
[143] https://admission.asu.edu/aas-bas/early-childhood-education-7?comm-college=Gila%20Community%20College
[144] https://admission.asu.edu/aas-bas/early-childhood-education-bas-track?comm-college=Gila%20Community%20College
[145] https://admission.asu.edu/aas-bas/electrical-instrumentation-technology-0?comm-college=Gila%20Community%20College
[146] https://admission.asu.edu/aas-bas/environmental-technology-0?comm-college=Gila%20Community%20College
[147] https://admission.asu.edu/aas-bas/fire-science-8?comm-college=Gila%20Community%20College
[148] https://admission.asu.edu/aas-bas/graphic-design-3?comm-college=Gila%20Community%20College
[149] https://admission.asu.edu/aas-bas/media-communications?comm-college=Gila%20Community%20College
[150] https://admission.asu.edu/aas-bas/nursing-4?comm-college=Gila%20Community%20College
[151] https://admission.asu.edu/aas-bas/personal-trainer?comm-college=Gila%20Community%20College
[152] https://admission.asu.edu/aas-bas/small-business-management?comm-college=Gila%20Community%20College
[153] https://admission.asu.edu/aas-bas/welding-technology?comm-college=Gila%20Community%20College
[154] https://admission.asu.edu/aas-bas/accounting-1?comm-college=Mohave%20Community%20College
[155] https://admission.asu.edu/aas-bas/business-and-entrepreneurship?comm-college=Mohave%20Community%20College
[156] https://admission.asu.edu/aas-bas/computer-graphics-and-web-design?comm-college=Mohave%20Community%20College
[157] https://admission.asu.edu/aas-bas/computer-information-systems-administration?comm-college=Mohave%20Community%20College
[158] https://admission.asu.edu/aas-bas/culinary-arts-management?comm-college=Mohave%20Community%20College
[159] https://admission.asu.edu/aas-bas/cybersecurity-and-network-support?comm-college=Mohave%20Community%20College
[160] https://admission.asu.edu/aas-bas/dental-hygiene-0?comm-college=Mohave%20Community%20College
[161] https://admission.asu.edu/aas-bas/fire-science-7?comm-college=Mohave%20Community%20College
[162] https://admission.asu.edu/aas-bas/health-care-information-technician?comm-college=Mohave%20Community%20College

[163] https://admission.asu.edu/aas-bas/nursing-registered-nursing-rn?comm-college=Mohave%20Community%20College
[164] https://admission.asu.edu/aas-bas/paralegal-1?comm-college=Mohave%20Community%20College
[165] https://admission.asu.edu/aas-bas/paramedic-emphasis?comm-college=Mohave%20Community%20College
[166] https://admission.asu.edu/aas-bas/physical-therapist-assistant?comm-college=Mohave%20Community%20College
[167] https://admission.asu.edu/aas-bas/radiologic-technology-0?comm-college=Mohave%20Community%20College
[168] https://admission.asu.edu/aas-bas/surgical-technology-1?comm-college=Mohave%20Community%20College
[169] https://admission.asu.edu/aas-bas/surgical-technology-cst-pathway?comm-college=Mohave%20Community%20College
[170] https://admission.asu.edu/aas-bas/automotive-technology-1?comm-college=Northland%20Pioneeer%20College
[171] https://admission.asu.edu/aas-bas/cis-software-and-web-development?comm-college=Northland%20Pioneeer%20College
[172] https://admission.asu.edu/aas-bas/computer-information-systems-0?comm-college=Northland%20Pioneeer%20College
[173] https://admission.asu.edu/aas-bas/construction-technology-2?comm-college=Northland%20Pioneeer%20College
[174] https://admission.asu.edu/aas-bas/cosmetology-1?comm-college=Northland%20Pioneeer%20College
[175] https://admission.asu.edu/aas-bas/cybersecurity-10?comm-college=Northland%20Pioneeer%20College
[176] https://admission.asu.edu/aas-bas/early-childhood-studies-0?comm-college=Northland%20Pioneeer%20College
[177] https://admission.asu.edu/aas-bas/eit-electrical?comm-college=Northland%20Pioneeer%20College
[178] https://admission.asu.edu/aas-bas/eit-electrical-and-instrumentation?comm-college=Northland%20Pioneeer%20College
[179] https://admission.asu.edu/aas-bas/eit-industrial-electrical-motors-and-plcs?comm-college=Northland%20Pioneeer%20College
[180] https://admission.asu.edu/aas-bas/eit-industrial-mechanics-and-fluid-power?comm-college=Northland%20Pioneeer%20College
[181] https://admission.asu.edu/aas-bas/eit-industrial-plant-operations?comm-college=Northland%20Pioneeer%20College
[182] https://admission.asu.edu/aas-bas/eit-instrumentation?comm-college=Northland%20Pioneeer%20College
[183] https://admission.asu.edu/aas-bas/eit-mechanical-maintenance?comm-college=Northland%20Pioneeer%20College
[184] https://admission.asu.edu/aas-bas/eit-operationsmaintenance?comm-college=Northland%20Pioneeer%20College
[185] https://admission.asu.edu/aas-bas/entrepreneurship?comm-college=Northland%20Pioneeer%20College
[186] https://admission.asu.edu/aas-bas/film-and-digital-video?comm-college=Northland%20Pioneeer%20College
[187] https://admission.asu.edu/aas-bas/fire-science-9?comm-college=Northland%20Pioneeer%20College
[188] https://admission.asu.edu/aas-bas/lna-rn?comm-college=Northland%20Pioneeer%20College
[189] https://admission.asu.edu/aas-bas/lpn-rn?comm-college=Northland%20Pioneeer%20College
[190] https://admission.asu.edu/aas-bas/management-and-leadership?comm-college=Northland%20Pioneeer%20College
[191] https://admission.asu.edu/aas-bas/medical-assistant-1?comm-college=Northland%20Pioneeer%20College
[192] https://admission.asu.edu/aas-bas/medical-office-administration?comm-college=Northland%20Pioneeer%20College
[193] https://admission.asu.edu/aas-bas/paramedic-nursing?comm-college=Northland%20Pioneeer%20College
[194] https://admission.asu.edu/aas-bas/paramedicine-3?comm-college=Northland%20Pioneeer%20College
[195] https://admission.asu.edu/aas-bas/therapeutic-massage-program?comm-college=Northland%20Pioneeer%20College
[196] https://admission.asu.edu/aas-bas/welding-1?comm-college=Northland%20Pioneeer%20College
[197] https://admission.asu.edu/aas-bas/accounting-12?comm-college=Pima%20Community%20College
[198] https://admission.asu.edu/aas-bas/automotive-industrial-technology?comm-college=Pima%20Community%20College
[199] https://admission.asu.edu/aas-bas/automotive-technology-2?comm-college=Pima%20Community%20College
[200] https://admission.asu.edu/aas-bas/aviation-technology-structural-repair-concentration?comm-college=Pima%20Community%20College
[201] https://admission.asu.edu/aas-bas/aviation-technology-aircraft-airframe-mechanics-concentration?comm-college=Pima%20Community%20College
[202] https://admission.asu.edu/aas-bas/aviation-technology-aircraft-powerplant-mechanics-concentration?comm-college=Pima%20Community%20College
[203] https://admission.asu.edu/aas-bas/building-construction-technologies?comm-college=Pima%20Community%20College
[204] https://admission.asu.edu/aas-bas/business-3?comm-college=Pima%20Community%20College
[205] https://admission.asu.edu/aas-bas/clinical-research-coordinator?comm-college=Pima%20Community%20College
[206] https://admission.asu.edu/aas-bas/computer-aided-design-construction-concentration?comm-college=Pima%20Community%20College
[207] https://admission.asu.edu/aas-bas/computer-aided-design-mechanicalelectro-mechanical-concentration?comm-college=Pima%20Community%20College
[208] https://admission.asu.edu/aas-bas/cyber-security?comm-college=Pima%20Community%20College
[209] https://admission.asu.edu/aas-bas/dental-hygiene-1?comm-college=Pima%20Community%20College

[210] https://admission.asu.edu/aas-bas/dental-laboratory-technology?comm-college=Pima%20Community%20College
[211] https://admission.asu.edu/aas-bas/digital-arts-design-concentration?comm-college=Pima%20Community%20College
[212] https://admission.asu.edu/aas-bas/digital-arts-web-design-concentration?comm-college=Pima%20Community%20College
[213] https://admission.asu.edu/aas-bas/digital-film-arts-animation-digital-and-film-arts-concentration?comm-college=Pima%20Community%20College
[214] https://admission.asu.edu/aas-bas/digital-film-arts-animation-digital-animation-concentration?comm-college=Pima%20Community%20College
[215] https://admission.asu.edu/aas-bas/digital-game-and-simulation-digital-animation-and-production-concentration?comm-college=Pima%20Community%20College
[216] https://admission.asu.edu/aas-bas/digital-game-and-simulation-digital-programming-concentration?comm-college=Pima%20Community%20College
[217] https://admission.asu.edu/aas-bas/early-childhood-studies?comm-college=Pima%20Community%20College
[218] https://admission.asu.edu/aas-bas/emergency-medical-technology-paramedic?comm-college=Pima%20Community%20College
[219] https://admission.asu.edu/aas-bas/fire-and-emergency-services-higher-education-feshe?comm-college=Pima%20Community%20College
[220] https://admission.asu.edu/aas-bas/health-information-technology-1?comm-college=Pima%20Community%20College
[221] https://admission.asu.edu/aas-bas/hospitality-leadership-baking-pastry-concentration?comm-college=Pima%20Community%20College
[222] https://admission.asu.edu/aas-bas/hospitality-leadership-culinary-concentration?comm-college=Pima%20Community%20College
[223] https://admission.asu.edu/aas-bas/hospitality-leadership-hotelrestaurant-management-concentration?comm-college=Pima%20Community%20College
[224] https://admission.asu.edu/aas-bas/hospitality-leadership-hotelrestaurant-management-transfer-concentration?comm-college=Pima%20Community%20College
[225] https://admission.asu.edu/aas-bas/justice-professions-administration-justice-concentration?comm-college=Pima%20Community%20College
[226] https://admission.asu.edu/aas-bas/justice-professions-law-enforcement-concentration?comm-college=Pima%20Community%20College
[227] https://admission.asu.edu/aas-bas/logistics-and-supply-chain-management?comm-college=Pima%20Community%20College
[228] https://admission.asu.edu/aas-bas/machine-tool-technology?comm-college=Pima%20Community%20College
[229] https://admission.asu.edu/aas-bas/medical-laboratory-technician-0?comm-college=Pima%20Community%20College
[230] https://admission.asu.edu/aas-bas/networking-cyber-defense?comm-college=Pima%20Community%20College
[231] https://admission.asu.edu/aas-bas/nursing-3?comm-college=Pima%20Community%20College
[232] https://admission.asu.edu/aas-bas/paralegal?comm-college=Pima%20Community%20College
[233] https://admission.asu.edu/aas-bas/programmercyber-security-analyst?comm-college=Pima%20Community%20College
[234] https://admission.asu.edu/aas-bas/radiologic-technology-4?comm-college=Pima%20Community%20College
[235] https://admission.asu.edu/aas-bas/respiratory-care-0?comm-college=Pima%20Community%20College
[236] https://admission.asu.edu/aas-bas/social-services?comm-college=Pima%20Community%20College
[237] https://admission.asu.edu/aas-bas/surgical-technology?comm-college=Pima%20Community%20College
[238] https://admission.asu.edu/aas-bas/veterinary-technician?comm-college=Pima%20Community%20College
[239] https://admission.asu.edu/aas-bas/welding-and-fabrication?comm-college=Pima%20Community%20College
[240] https://admission.asu.edu/aas-bas/business-management?comm-college=Tohono%20O%27odham%20Community%20College
[241] https://admission.asu.edu/aas-bas/computer-information-systems?comm-college=Tohono%20O%27odham%20Community%20College
[242] https://admission.asu.edu/aas-bas/early-childhood-education-6?comm-college=Tohono%20O%27odham%20Community%20College
[243] https://admission.asu.edu/aas-bas/accounting-13?comm-college=Tohono%20O%27odham%20Community%20College
[244] https://admission.asu.edu/aas-bas/administration-justice-1?comm-college=Tohono%20O%27odham%20Community%20College
[245] https://admission.asu.edu/aas-bas/administrative-professional-6?comm-college=Tohono%20O%27odham%20Community%20College
[246] https://admission.asu.edu/aas-bas/agriculture-technology-management?comm-college=Tohono%20O%27odham%20Community%20College

[247] https://admission.asu.edu/aas-bas/applied-pre-engineering?comm-college=Tohono%20O%27odham%20Community%20College
[248] https://admission.asu.edu/aas-bas/automotive-technology?comm-college=Tohono%20O%27odham%20Community%20College
[249] https://admission.asu.edu/aas-bas/aviation-technology-airplanehelicopteropsuas?comm-college=Tohono%20O%27odham%20Community%20College
[250] https://admission.asu.edu/aas-bas/computer-networking-technology?comm-college=Tohono%20O%27odham%20Community%20College
[251] https://admission.asu.edu/aas-bas/computer-systems-and-applications?comm-college=Tohono%20O%27odham%20Community%20College
[252] https://admission.asu.edu/aas-bas/diesel-technician?comm-college=Tohono%20O%27odham%20Community%20College
[253] https://admission.asu.edu/aas-bas/early-childhood-education-9?comm-college=Tohono%20O%27odham%20Community%20College
[254] https://admission.asu.edu/aas-bas/electrical-and-instrumentation-technology?comm-college=Tohono%20O%27odham%20Community%20College
[255] https://admission.asu.edu/aas-bas/emergency-management-applications?comm-college=Tohono%20O%27odham%20Community%20College
[256] https://admission.asu.edu/aas-bas/fire-science-4?comm-college=Tohono%20O%27odham%20Community%20College
[257] https://admission.asu.edu/aas-bas/graphic-design-1?comm-college=Tohono%20O%27odham%20Community%20College
[258] https://admission.asu.edu/aas-bas/gunsmithing?comm-college=Tohono%20O%27odham%20Community%20College
[259] https://admission.asu.edu/aas-bas/health-information-technology?comm-college=Tohono%20O%27odham%20Community%20College
[260] https://admission.asu.edu/aas-bas/industrial-machine-mechanic?comm-college=Tohono%20O%27odham%20Community%20College
[261] https://admission.asu.edu/aas-bas/management-8?comm-college=Tohono%20O%27odham%20Community%20College
[262] https://admission.asu.edu/aas-bas/medical-assistant-0?comm-college=Tohono%20O%27odham%20Community%20College
[263] https://admission.asu.edu/aas-bas/nursing-2?comm-college=Tohono%20O%27odham%20Community%20College
[264] https://admission.asu.edu/aas-bas/paralegal-studies-0?comm-college=Tohono%20O%27odham%20Community%20College
[265] https://admission.asu.edu/aas-bas/paramedicine-4?comm-college=Tohono%20O%27odham%20Community%20College
[266] https://admission.asu.edu/aas-bas/radiologic-technology-2?comm-college=Tohono%20O%27odham%20Community%20College
[267] https://admission.asu.edu/aas-bas/social-and-human-services?comm-college=Tohono%20O%27odham%20Community%20College
[268] https://admission.asu.edu/aas-bas/video-game-development?comm-college=Tohono%20O%27odham%20Community%20College
[269] https://admission.asu.edu/aas-bas/viticulture-and-enology?comm-college=Tohono%20O%27odham%20Community%20College

## ASU at Pinal

### Earn your ASU degree at Central Arizona College

Earn a bachelor’s degree from Arizona State University without leaving Pinal County. ASU and Central Arizona College have established a partnership that allows you to complete your associate degree at CAC and then pursue your ASU bachelor’s degree through classes delivered at the CAC Corporate Center. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Central Arizona College to continue taking classes through the Pinal location.

Jared’s Transfer Journey from Central Arizona College to ASU video [1] on Vimeo

## Available undergraduate programs at CAC

**Applied Science (Applied Leadership), BAS* [1]**
The applied leadership program prepares students for leadership positions in a wide variety of organizations and career fields. The coursework focuses on the practice of innovative and effective leadership and helps students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

This BAS program is a valuable degree option for students with an Associate of Applied Science degree. Students learn and apply the leadership skills necessary to prepare them to become more effective leaders in diverse environments – to be team leaders, floor managers and shift captains.

Learn more about this AAS to BAS program and see what AAS programs are compatible with this degree. [3]

---

**Organizational Leadership, BA** [4]
This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well-versed in leadership styles, communication strategies, resource management, project management and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGEC requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

See course descriptions and sample schedule. [5]

---

**Organizational Leadership (Project Management), BA** [6]
With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership and more.

---

For more information, contact Gerry West at gerald.l.west@asu.edu [7].

**Up to an additional 15 hours of lower-division general studies coursework can be completed prior to transferring to ASU. Transfer up to 75 community college credits toward this degree, with 45 credits to be completed at ASU. If lower-division general studies requirements are not complete prior to transferring, the courses can be taken at CAC or ASU. All degree requirements must be met prior to graduation from ASU.*

## The MyPath2ASU® transfer process

**Create MyPath2ASU®** [8]
- Pick your ASU major
- Sign up for MyPath2ASU®
- Track progress towards transfer

**Complete your MyPath**
- Apply [9] to transfer to ASU
- Become a Sun Devil

**Finish your ASU degree**
- You're one step closer to achieving your academic goals

## Save money

Through the ASU and Central Arizona College partnership, you're able to learn from ASU instructors and earn the same high quality degree you'd earn on an ASU campus, all at a reduced tuition rate. And you can use financial aid and scholarships toward your costs. That, along with the money you'll save by staying in your hometown, adds up to one affordable degree.

Tuition Estimator [10]

### Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [11]

**Source URL:** https://admission.asu.edu/transfer/pinal

**Links:**
[1] https://vimeo.com/818516057
[2] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false
[3] https://admission.asu.edu/aas-bas/central-arizona-college
[4] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false
[5] https://admission.asu.edu/transfer/pinal/org-leadership
[6] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBA/undergrad/false
[7] mailto:gerald.l.west@asu.edu
[8] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[9] https://webapp4.asu.edu/uga_admissionsapp
[10] https://students.asu.edu/tuition
[11] https://admission.asu.edu/contact/undergraduate

## ASU at Yuma

### Earn your ASU degree at Arizona Western College

Earn a bachelor's degree from Arizona State University without leaving Yuma. ASU and Arizona Western College have established a partnership that allows you to complete your associate degree at AWC and then pursue your ASU bachelor's degree through classes delivered on the AWC campus. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Arizona Western College to continue taking classes through the @Yuma location.

### Available undergraduate programs at AWC

**Organizational Leadership, BA*** [1]
This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well versed in leadership styles, communication strategies, resource management, project management and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGEC requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

For more information, contact Gerry West at gerald.l.west@asu.edu [2].

**Complete your teaching degree remotely with ASU Sync**
For some undergraduate degree programs leading to teacher certification, Mary Lou Fulton Teachers College offers Arizona students the option to take classes in real time and remotely via ASU Sync. Regularly scheduled evening classes take place via Zoom, and foster active collaboration and discussion with top-tier faculty members and peers throughout Arizona.

**Available degrees:**
Early Childhood Education, BAE
Elementary Education, BAE
Secondary Education, Certificate
Secondary Education, BAE
Special Education, BAE

Learn more [3]

### The MyPath2ASU® transfer process

**Create MyPath2ASU®** [4]
- Pick your ASU major
- Sign up for MyPath2ASU®
- Track progress towards transfer

**Complete your MyPath**
- Apply [5] to transfer to ASU
- Become a Sun Devil

**Finish your ASU degree**
- You're one step closer to achieving your academic goals

### Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [6]

**Source URL:** https://admission.asu.edu/transfer/asu-yuma

**Links:**
[1] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false
[2] mailto:gerald.l.west@asu.edu
[3] https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide
[4] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[5] https://webapp4.asu.edu/uga_admissionsapp/
[6] https://admission.asu.edu/contact/undergraduate

## ASU at Yavapai

### Earn your degree at Yavapai College

Earn a bachelor's degree from Arizona State University without leaving Yavapai County. ASU and Yavapai College have established a partnership that allows you to complete your associate degree at Yavapai College and then pursue your ASU bachelor's degree through classes delivered on the campus. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

ASU classes will be offered on-site at Yavapai College or in a hybrid format, which blends in-person and online instruction.

Yavapai College, Prescott Valley Campus
6955 Panther Path, Prescott Valley, AZ 86314

Students must be (or previously have been) enrolled and completed credits at Yavapai College to continue taking classes through the Yavapi location.

### Available undergraduate programs at Yavapai College

**Applied Science (Health Sciences), BAS*** [1]
This is an excellent option if you have already earned or are earning an AAS and want to advance your career in health care. Designed for both entering and current employees in the health and health care fields, a concentration in health sciences will prepare you for advancement in your primary field, positions in management, and advanced educational and instructional expertise. Gain the knowledge and skills to find innovative and creative ways to improve the health of individuals and communities.

For more information on this program, contact Jackie Ries at Jries@asu.edu [2].

**Applied Science (Applied Leadership), BAS*** [3]
This is an ideal program if you have already earned or are earning an AAS degree. Prepare for leadership positions in a wide variety of organizations and career fields. This program focuses on the practice of innovative and effective leadership to help you develop the skills and knowledge to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

**Organizational Leadership, BA** [4]
Advance your career and become a leader in your organization. Develop the skills and knowledge to manage resources, communicate effectively, use emerging technologies and lead projects.

**Organizational Leadership (Project Management), BA** [5]
With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership and more.

For more information, contact Gerry West at Gerald.L.West@asu.edu [6].

**Complete your teaching degree remotely with ASU Sync**
For some undergraduate degree programs leading to teacher certification, Mary Lou Fulton Teachers College offers Arizona students the option to take classes in real time and remotely via ASU Sync. Regularly scheduled evening classes take place via Zoom, and foster active collaboration and discussion with top-tier faculty members and peers throughout Arizona.

**Available degrees:**
Early Childhood Education, BAE
Elementary Education, BAE
Secondary Education, Certificate
Secondary Education, BAE
Special Education, BAE

Learn more [7]

## The MyPath2ASU® transfer process

**Create MyPath2ASU®** [8]
- Pick your ASU major
- Sign up for MyPath2ASU®
- Track progress towards transfer

**Complete your MyPath**
- Apply [9] to transfer to ASU
- Become a Sun Devil

**Finish your ASU degree**
- You're one step closer to achieving your academic goals

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

**Contact your transfer specialist** [10]

**Source URL:** https://admission.asu.edu/transfer/asuyavapai

**Links:**
[1] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUHSCBAS/undergrad/false
[2] mailto:Jries@asu.edu
[3] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false
[4] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false
[5] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBA/undergrad/false
[6] mailto:Gerald.L.West@asu.edu

[7] https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide
[8] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[9] https://webapp4.asu.edu/uga_admissionsapp/
[10] https://admission.asu.edu/contact/undergraduate

## ASU at The Gila Valley

### Earn your ASU degree at Eastern Arizona College

Earn a bachelor's degree from Arizona State University without leaving Thatcher, Safford and the surrounding areas. ASU and Eastern Arizona College have established a partnership that allows you to complete your associate degree at EAC and then pursue your ASU bachelor's degree through classes delivered on the EAC Thatcher campus. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Eastern Arizona College to continue taking classes through the at TheGilaValley location.

### Available undergraduate programs at EAC

**Applied Science (Applied Leadership), BAS*** [1]
The applied leadership program prepares students for leadership positions in a wide variety of organizations and career fields. The coursework focuses on the practice of innovative and effective leadership and helps students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources. This BAS program is a valuable degree option for students with an Associate of Applied Science degree in fields such as fire science, environmental technology, machine shop technology, welding technology and more. Students learn and apply the leadership skills necessary to prepare them to become more effective leaders in diverse environments — to be team leaders, floor managers and shift captains.

Learn more about this AAS to BAS program and see what AAS programs are compatible with this degree [2]

**Business (Business Administration), BA [3]**
In the BA program in business with a concentration in business administration, students gain a breadth of knowledge and the skills needed for managing business operations. The program provides the full business core plus a concentration with 18 credit hours of coursework focused on skills such as forecasting demand; planning inventory; purchasing services; conducting skillful negotiations; building strategies for the future; and managing people, finances and risk.

For more information, contact wpcareyug@asu.edu [4]

**Organizational Leadership, BA** [5]
This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well versed in leadership styles, communication strategies, managing resources, assessing programs and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGEC requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

See course descriptions and sample schedule. [6]

**Organizational Leadership (Project Management), BA** [7]
With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership, and more.

For more information on the three degrees above, contact Gerry West at Gerald.L.West@asu.edu [8].

**Nursing, BSN** [9]
Eastern Arizona College and ASU have partnered to offer a Baccalaureate Nursing Program at EAC. This concurrent enrollment program is for nursing students who meet specific criteria. The program allows students to earn their AAS in Nursing from EAC while simultaneously earning their BSN from ASU. The partnership offers the following:

- hybrid classes (in-person classes with online components)
- qualified ASU faculty members from the Thatcher area
- RN-BSN courses taken in a cohort model

For more information about this program, contact Taylor Nance at eac.cep@asu.edu [10].

**Complete your teaching degree remotely with ASU Sync**
For some undergraduate degree programs leading to teacher certification, Mary Lou Fulton Teachers College offers Arizona students the option to take classes in real time and remotely via ASU Sync. Regularly scheduled evening classes take place via Zoom, and foster active collaboration and discussion with top-tier faculty members and peers throughout Arizona.

**Available degrees:**
Early Childhood Education, BAE
Elementary Education, BAE
Secondary Education, Certificate
Secondary Education, BAE
Special Education, BAE

**Learn more** [11]

## The MyPath2ASU® transfer process

**Create MyPath2ASU®** [12]

- Pick your ASU major
- Sign up for MyPath2ASU®
- Track progress towards transfer

**Complete your MyPath**

- Apply [13] to transfer to ASU
- Become a Sun Devil

**Finish your ASU degree**

- You’re one step closer to achieving your academic goals

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

**Contact your transfer specialist** [14]

**Source URL:** https://admission.asu.edu/transfer/the-gila-valley

**Links:**
[1] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false
[2] https://admission.asu.edu/aas-bas/eastern-arizona-college
[3] https://degrees.apps.asu.edu/bachelors/major/ASU00/BABUSBABA/business-business-administration
[4] mailto:wpcareyug@asu.edu
[5] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false
[6] https://admission.asu.edu/transfer/gila-valley/org-leadership
[7] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBA/undergrad/false
[8] mailto:Gerald.L.West@asu.edu
[9] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/NUNURDBSN/undergrad/false
[10] mailto:eac.cep@asu.edu
[11] https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide
[12] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[13] https://webapp4.asu.edu/uga_admissionsapp/

[14] https://admission.asu.edu/contact/undergraduate

## ASU at Cochise

### Earn your ASU degree at Cochise College

Earn a bachelor's degree from Arizona State University without leaving Sierra Vista. ASU and Cochise College have established a partnership that allows you to complete your associate degree at Cochise and then pursue your ASU bachelor's degree through classes delivered on the Cochise campus. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Cochise College to continue taking classes through the at Cochise location.

### Available undergraduate programs at Cochise College

**Applied Science (Applied Leadership), BAS* [1]**
The applied leadership program prepares students for leadership positions in a wide variety of organizations and career fields. The coursework focuses on the practice of innovative and effective leadership and helps students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

This BAS program is a valuable degree option for students with an Associate of Applied Science degree. Students learn and apply the leadership skills necessary to prepare them to become more effective leaders in diverse environments – to be team leaders, floor managers and shift captains.

---

**Organizational Leadership, BA** [2]
This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well versed in leadership styles, communication strategies, resource management, project management and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGEC requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

---

**Organizational Leadership (Project Management), BA** [3]
With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership and more.

For more information, contact Gerry West at Gerald.L.West@asu.edu [4]

*Up to 15 additional hours of lower-division general studies coursework can be completed prior to transferring to ASU. Transfer up to 75 community college credits toward this degree, with 45 credits to be completed at ASU. If lower-division general studies requirements are not complete prior to transferring, the courses can be taken at Cochise or ASU. All degree requirements must be met prior to graduation from ASU.

**AAS in Intelligence Operations Studies** [5]
Pursuing an AAS in intelligence operations studies? ASU in partnership with Cochise College recognizes the unique work and areas of study that many members of the military often pursue as part of their service. With a completed AAS degree in intelligence operations studies, you can smoothly transfer 60 credits towards a BAS degree in applied leadership.

### The MyPath2ASU® transfer process

**Create MyPath2ASU®** [6]
- Pick your ASU major
- Sign up for MyPath2ASU®
- Track progress towards transfer

**Complete your MyPath**

- Apply [7] to transfer to ASU
- Become a Sun Devil

**Finish your ASU degree**

- You're one step closer to achieving your academic goals

Paulette Iniguez Erunez, a transfer student from Cochise College, credits Cochise and MyPath2ASU® with providing her everything she needed to be able to transfer to ASU and complete her bachelor's degree.

Watch this video to learn more about how Paulette transferred using MyPath2ASU®.

MyPath2ASU Transfer Story - Paulette's transfer journey from Cochise College to ASU video [8] on Vimeo.

### Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [9]

**Source URL:** https://admission.asu.edu/transfer/asu-cochise

**Links:**
[1] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false
[2] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false
[3] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBA/undergrad/false
[4] mailto:Gerald.L.West@asu.edu
[5] https://admission.asu.edu/aas-bas/intelligence-operations-studies
[6] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[7] https://webapp4.asu.edu/uga_admissionsapp/
[8] https://vimeo.com/799911803
[9] https://admission.asu.edu/contact/undergraduate

## ASU at Pima

### Earn your ASU degree at Pima Community College

Earn a bachelor's degree from Arizona State University without leaving Pima County. ASU and Pima Community College have established a partnership that allows you to complete your associate degree and then pursue your ASU bachelor's degree through classes delivered at Pima Community College. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

ASU classes will be offered on-site at Pima Community College or in a hybrid format, which blends in-person and online instruction.

Pima Community College, West campus
2202 West Anklam Rd.
Tucson, AZ 85709

Students must be (or previously have been) enrolled and completed credits at Pima Community College to continue taking classes through the at Pima location.

### Available undergraduate programs at Pima Community College

**Applied Science (Applied Leadership), BAS * [1]**
The applied leadership program prepares students for leadership positions in a wide variety of organizations and career fields. The coursework focuses on the practice of innovative and effective leadership and helps students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

This BAS program is a valuable degree option for students with an Associate of Applied Science degree. Students learn and apply the leadership skills necessary to prepare them to become more effective leaders in diverse environments – to be team leaders, floor managers and shift captains.

**Organizational Leadership, BA** [2]
This degree program is ideal for helping to advance your career in business, government, nonprofit, health care or service industries. Through this interdisciplinary program, you will gain valuable knowledge to become an organizational leader who is well-versed in leadership styles, communication strategies, resource management, project management and emerging technologies. It is highly recommended that you complete the Arizona General Education Curriculum prior to applying to this program. Complete the course requirements as outlined in the TAG agreement and the AGEC requirements to transfer up to 75 credit hours from the community college. Then, you can complete this bachelor's degree with 45 ASU credits.

**Organizational Leadership (Project Management), BA** [3]
With a concentration in project management, you'll develop the skills and knowledge to advance in your career as a project manager and project manager leader. Covering many fields, organizational leadership courses prepare you for complex project oversight, organizational assessment, project leadership and more.

For more information, contact Gerry West at Gerald.L.West@asu.edu [4]

**Complete your teaching degree remotely with ASU Sync**
For some undergraduate degree programs leading to teacher certification, Mary Lou Fulton Teachers College offers Arizona students the option to take classes in real time and remotely via ASU Sync. Regularly scheduled evening classes take place via Zoom, and foster active collaboration and discussion with top-tier faculty members and peers throughout Arizona.

**Available degrees:**
Early Childhood Education, BAE
Elementary Education, BAE
Secondary Education, Certificate
Secondary Education, BAE
Special Education, BAE

Learn more [5]

## The MyPath2ASU® transfer process

**Create MyPath2ASU®** [6]
- Pick your ASU major
- Sign up for MyPath2ASU®
- Track progress towards transfer

**Complete your MyPath**
- Apply [7] to transfer to ASU
- Become a Sun Devil

**Finish your ASU degree**
- You're one step closer to achieving your academic goals

## Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact your transfer specialist [8]

**Source URL:** https://admission.asu.edu/transfer/asu-pima

**Links:**
[1] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSALSBAS/undergrad/false
[2] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLBA/undergrad/false
[3] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LSORGLPMBA/undergrad/false
[4] mailto:Gerald.L.West@asu.edu
[5] https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide
[6] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[7] https://webapp4.asu.edu/uga_admissionsapp/
[8] https://admission.asu.edu/contact/undergraduate

## ASU at Northeastern Arizona

**Earn your ASU degree at Northland Pioneer College**
Earn a bachelor's degree from Arizona State University without leaving Holbrook, Show Low, Snowflake, and Winslow. ASU and Northland Pioneer College have established a partnership that allows you to complete your associate degree at NPC and then pursue your ASU bachelor's degree through classes delivered on an NPC campus or center location. You can also take advantage of additional cost savings with a reduced ASU tuition rate.

Students must be (or previously have been) enrolled and completed credits at Northland Pioneer College to continue taking classes through the at NorthEastern Arizona location.

Angelica's MyPath2ASU Transfer Story (Northland Pioneer College) video [1] on Vimeo.

### Available undergraduate programs at NPC

**Complete your teaching degree remotely with ASU Sync**
For some undergraduate degree programs leading to teacher certification, Mary Lou Fulton Teachers College offers Arizona students the option to take classes in real time and remotely via ASU Sync. Regularly scheduled evening classes take place via Zoom, and foster active collaboration and discussion with top-tier faculty members and peers throughout Arizona.

**Available degrees:**
Early Childhood Education, BAE
Elementary Education, BAE
Secondary Education, Certificate
Secondary Education, BAE
Special Education, BAE

Learn more [2]

### The MyPath2ASU® transfer process

**Create MyPath2ASU®** [3]
- Pick your ASU major
- Sign up for MyPath2ASU®
- Track progress towards transfer

**Complete your MyPath**
- Apply [4] to transfer to ASU
- Become a Sun Devil

**Finish your ASU degree**
- You're one step closer to achieving your academic goals

### Your transfer specialist is here to help

Connect with your transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact a transfer specialist [5]

**Source URL:** https://admission.asu.edu/transfer/asu-northeastern-arizona

**Links:**
[1] https://vimeo.com/829543219
[2] https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide
[3] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[4] https://webapp4.asu.edu/uga_admissionsapp/
[5] https://admission.asu.edu/contact/undergraduate

## Transfer Partnership with BYU-I and BYU-Pathway Worldwide

### Transfer of academic credit for students wishing to complete a degree at ASU.

The innovative partnership will allow students who begin their education through one of BYU-Idaho's programs access to the wider array of classes, majors and degrees offered by ASU.

BYU Idaho students who wish to transfer to ASU have two transfer options.

**MyPath2ASU®**
MyPath2ASU® is a set of customized tools to help transfer students from U.S. regionally accredited institutions (including international students transferring from U.S. regionally accredited institutions). MyPath2ASU® creates a seamless transfer experience to ASU after earning credits or an associate's degree from a U.S. community college or university. Plan a path into your major of choice by taking classes that transfer to ASU—shortening your time to degree completion.

Get Started with MyPath2ASU® [1]

Search MyPath2ASU® majors [2]

**The Associate of Applied Science to Bachelor of Applied Science Program**
The AAS to BAS programs is for students who have completed an Associate of Applied Science from BYU-Idaho and want to complete a Bachelor of Applied Science in a complementary discipline at ASU.

The completed Associate of Applied Science must be transcripted on a BYU-Idaho transcript.

Learn more [3]

### Learn more by attending an ASU virtual event

**Explore your visit options**
Welcome all transfer students. Explore the many live-hosted sessions [4] with ASU enrollment and academic team members and current students who can answer your questions. Navigate the MyPath2ASU® transfer experience and learn more about ASU's admission and enrollment processes. Explore each of our campuses through live-hosted virtual visit [4] experiences, walking tours [5] and on-demand virtual tours [6].

Sign up [4]

### Your next steps to applying to ASU

As you're completing your community college coursework, if you have questions about the admission process, requirements or transcripts contact your transfer coordinator and they will be happy to help.

Or if you're ready to apply to ASU, you can begin your application for admission up to a year before you are ready to transfer.

How and when to apply [7] Contact a transfer coordinator [8]

**Source URL:** https://admission.asu.edu/transfer/byu-idaho

**Links:**
[1] https://admission.asu.edu/transfer/MyPath2ASU
[2] https://webapp4.asu.edu/transfercreditguide/app/transfermap
[3] https://admission.asu.edu/aas-bas/brigham-young-university-idaho
[4] https://visit.asu.edu/live-hosted-visit
[5] https://visit.asu.edu/schedule
[6] https://tours.asu.edu/
[7] https://admission.asu.edu/transfer/apply
[8] https://admission.asu.edu/contact/undergraduate

## AAS to BAS for Brigham Young University Idaho

### Transfer simplified

If you're pursuing an Associate of Applied Science from BYU-Idaho, then an ASU Bachelor of Applied Science degree might be the perfect fit for you. This program allows you to transfer 60 credit hours from your Associate of Applied Science degree toward a compatible Bachelor of Applied Science at ASU, with guaranteed admission if you have earned at least a 2.5 grade point average from BYU-Idaho. The completed Associate of Applied Science must be transcripted on a BYU-Idaho transcript.

Identify the AAS degree you are currently earning at BYU-Idaho and determine your preference for your BAS.

Applied Business Management [1]

Applied Communication [2]

Applied Health [3]

Applied Technology [4]

Family History Research [5]

Marriage and Family Studies [6]

Professional Studies [7]

**Source URL:** https://admission.asu.edu/aas-bas/brigham-young-university-idaho

**Links:**
[1] https://admission.asu.edu/aas-bas/applied-business-management?comm-college=Mohave%20Community%20College
[2] https://admission.asu.edu/aas-bas/applied-communication?comm-college=Mohave%20Community%20College
[3] https://admission.asu.edu/aas-bas/applied-health?comm-college=Mohave%20Community%20College
[4] https://admission.asu.edu/aas-bas/applied-technology?comm-college=Mohave%20Community%20College
[5] https://admission.asu.edu/aas-bas/family-history-research?comm-college=Mohave%20Community%20College
[6] https://admission.asu.edu/aas-bas/marriage-and-family-studies?comm-college=Mohave%20Community%20College
[7] https://admission.asu.edu/aas-bas/professional-studies?comm-college=Mohave%20Community%20College

## Acceso ASU

Acceso ASU [1]

Becas ASU-CONACYT [2]

Becas Arizona-Sonora [3]

### The objective

To increase access to higher education at ASU, to interested DREAMers and other bilingual English-Spanish students, while offering them an international and intercultural experience at select Mexican universities.

### Who is eligible?

Currently enrolled ASU undergraduate students, both immersive and online.

## What is it?

Acceso ASU allows students to take online courses included in the ASU's Transfer Guide [4], offered by select Mexican university partners. While enrolled at a Mexican university, students pay that university's tuition and can benefit from different tuition rates. Mexican partners' tuition starts from approximately $150 USD [5] per course.

Once students successfully pass courses at the Mexican university partners, they can submit their transcript to ASU to have credits evaluated for transfer to their ASU program.

## How does it work?

Students are encouraged to consult their academic advisors to identify which courses included in the ASU's Transfer Guide [4], offered by Acceso ASU's Mexican partners, are suitable for transfer to their specific program. A list of advisors is available here [6].

For course descriptions offered by Mexican partners, not provided in the ASU's Transfer Guide, please visit this link for Tecmilenio [7] and this link for UNITEC [8].

In addition to the potential economic benefit, students can:

1. Practice Spanish language skills through academic immersion
2. Enrich their academic experience with an international focus
3. Earn an acknowledgement of international experience, upon taking three online courses with a university partner

## How do I search for courses offered by the participating Mexican universities?

To search for course equivalencies, access the ASU's Transfer Guide [4] and select "International" for the institution type, then enter "Mexico" for the country, and enter the name of the university partner:

- University of Guadalajara (UdeG)
- Technological University of Mexico (UNITEC)
- Universidad Tecmilenio

## What types of courses have been evaluated for the Acceso program?

The courses evaluated for the Acceso program include undergraduate online courses that transfer to ASU elective, department elective, general studies, and/or direct equivalency:

- University of Guadalajara's subjects include: organization management, educational development, cultural management, digital journalism, technologies and information, citizen security, librarianship and knowledge management.
- Technological University of Mexico (UNITEC)'s subjects include: business administration, public accounting, law (BA), marketing, pedagogy, international business, animation and digital design, psychology, industrial engineering and administration, software and network engineering.
- Universidad Tecmilenio's subjects include: administrative computing engineering, administration, law (BA), publicity and marketing, industrial and systems engineering, international business and trade, education and development, business psychology.

## Information about our Mexican university-partners

**Tecnológico de Monterrey**
Tecnológico de Monterrey (ITESM) is a private, not-for-profit, world-renowned university in Mexico. It has 26 campuses throughout Mexico, and more than 90,000 students that attend its high school, undergraduate and graduate programs.

It is a world pioneer on virtual education, which it launched in 1989.

Among other accreditations, ITESM is affiliated to the Southern Associations of Colleges and Schools (SACS), recognized by the U.S. Department of Education.

* The program with Tecnológico de Monterrey (ITESM) is managed by the Global Education office as a special virtual exchange opportunity. For more info visit:
https://studyabroad.asu.edu/index.cfm?FuseAction=Programs.ViewProgramAng... [9]

Additional Information:

Learn more at: University-partner Website [10] | Application Guide [11] |

**Universidad Tecmilenio**
Universidad Tecmilenio is a private university, founded in 2002, as part of the Tecnológico de Monterrey System. It currently has 32 campuses located in 18 states of Mexico and Tecmilenio Online. It offers high school programs, 28 undergraduate programs, 8 executive programs, and 9 master's programs. Tecmilenio serves over 56,000 students.

A distinctive element of Tecmilenio's education model is the emphasis on students' long-term well-being, based on Positive Psychology.

How to apply: https://youtu.be/t9GtjSt4tlc [12]

Miriam Sillero: msillero@tecmilenio.mx [13]

Learn more at: University-partner Website [14] | Application Guide [15] | Cost Information [16]

**The Universidad Tecnológica de México (UNITEC)**
The Universidad Tecnológica de México (UNITEC) is a private university owned by Laureate located in Mexico City, and in the states of Guanajuato, Jalisco, México and Querétaro. UNITEC has more than 50 years of experience delivering high school and higher education. UNITEC serves over 90,000 students.

How to apply: https://youtu.be/FQwMLlo_TTw [17]

Mauricio Monroy Eligio: mmonroye@mail.unitec.mx [18]

Learn more at: University-partner Website [19] | Application Guide [20] | Cost Information [21]

**Universidad de Guadalajara (UdeG)**
Universidad de Guadalajara (UdeG) is the second largest public Mexican university. It serves more than 280,200 students. It is a renowned university based in the state of Jalisco. UdeG's Virtual University offers undergraduate and graduate programs.

Additional Information:

Learn more at: University-partner Website [22] | Application Guide [23] | Cost Information [24]

**Spanish Language Resources**
Our university-partners offer most of their courses in Spanish. Interested students are encouraged to take Spanish language courses and identify tutoring resources to ensure academic success as part of this transfer program. Below are some available resources.

- ASU Online, Spanish classes [25]
- ASU School of International Letters and Cultures [26]
- Maricopa Community Colleges, Spanish and Spanish Culture [27]
- University of Guadajara Foundation, in Los Angeles, CA Programa de Español y Cultura Mexicana [28]
- Mobile apps such as Mondly [29], Babbel [30], etc.
- Spain's Instituto Cervantes [31] in Albuquerque, NM offers online Spanish courses, learn more here [32].

**For more information about Acceso ASU email:**
Flor Derat, MBA.
Executive Administrative Support Specialist
Mexico and Latin America Initiatives
ASU, Office of University Affairs
acceso.asu@asu.edu [33]

**ASU contact:**
Paola Garcia Hidalgo, M.PAff.
Director, Mexico and Latin America Initiatives
ASU, Office of University Affairs
pgarciah@asu.edu [34]

## Becas ASU-CONACYT

Becas CONACYT para estudios de doctorado en el extranjero

**Arizona State University and CONACYT Doctoral Fellowships** [35]
The Consejo Nacional de Ciencia y Tecnología (CONACYT) signed an agreement with Arizona State University in 2015 to accomplish two purposes:

*Please note, new fellows are not currently being accepted under this agreement.*

1. Provide up to 30 fellowships each year to Mexican students regularly admitted to and enrolled in PhD programs at ASU. Every year, CONACYT publishes a request for applications (RFA) (see details below). Individuals admitted to ASU doctoral programs apply for financial support to CONACYT headquarters or to CONACYT branches in various Mexican states. RFAs specify how to apply and identify the target disciplines/programs eligible for these fellowships.
2. Support a visiting scholar program from Mexico and ASU.

Learn More [35]

## Becas Arizona-Sonora

Arizona-Sonora scholarship opportunities

**Arizona-Sonora Scholarship Opportunities** [36]
The Governments of the States of Arizona and Sonora, in the framework of the Arizona-Mexico Commission, have established a scholarship program for students of these two states. A limited number of Sonoran students can come to study at Arizona higher education institutions, paying the Arizona resident tuition rate, under this program called Programa de Estudiantes Sonorenses con Beneficio de Pago como Residentes en Arizona (PROBEP).

Arizona State University participates in this program and maintains up to 20 spaces per year available for Sonoran students to study as this program's scholars. Interested students must be admitted at ASU and apply at the Comisión Sonora-Arizona for this resident rate tuition program.

Note: We include this information on the PROBEP program, as it is available to ASU students. However, interested students should contact directly the managers of this program at the Government of the State of Sonora.

For more information contact:

https://portales.sec.gob.mx/educacion-internacional/index.php?op=12&idp=5 [36]

programa.sonari@sonora.edu.mx [37]

**Source URL:** https://mexico.asu.edu/scholarships

**Links:**
[1] https://mexico.asu.edu/scholarships#dreamers
[2] https://mexico.asu.edu/scholarships#conacyt
[3] https://mexico.asu.edu/scholarships#sonoran
[4] https://webapp4.asu.edu/transfercreditguide/app/searchcourses?init=false&nopassive=true
[5] https://tecmilenio.mx/es/calculadora-de-costos
[6] https://students.asu.edu/advising/directory
[7] https://mexico.asu.edu/sites/default/files/acceso_tecmilenios_course_list.pdf
[8] https://mexico.asu.edu/sites/default/files/acceso_unitec_course_list.pdf
[9] https://studyabroad.asu.edu/index.cfm?FuseAction=Programs.ViewProgramAngular&id=11414
[10] https://tec.mx/en
[11] https://studyabroad.asu.edu/index.cfm
[12] https://youtu.be/t9GtjSt4tlc
[13] mailto:msillero@tecmilenio.mx
[14] https://tecmilenio.mx/en/filosofia-institucional
[15] https://tecmilenio.mx/es/proceso-de-admisiones/pasos
[16] https://tecmilenio.mx/es/colegiaturas/costos
[17] https://youtu.be/FQwMLlo_TTw
[18] mailto:mmonroye@mail.unitec.mx
[19] https://www.unitec.mx/
[20] https://www.unitec.mx/admision-unitec/
[21] https://www.unitec.mx/calcula-tu-beca/
[22] http://www.udg.mx/en/welcome-university-guadalajara

[23] http://biblioteca.udgvirtual.udg.mx/jspui/bitstream/123456789/119/4/Gu%c3%ada%20del%20aspirante%20de%20pregrado.pdf
[24] https://www.udgvirtual.udg.mx/costos
[25] https://go.asuonline.asu.edu/lpppc-language/?utm_source=google&utm_medium=cpc&utm_campaign=LANG-BRAND-P&utm_term=%2Basu%20%2Bspanish%20%2Bclasses&utm_content=ASU-Span-Classes-MBM&utm_initiative=GoogleBrand&gclid=EAIaIQobChMIv9O_8KqB5wIVFcRkCh01AAhDEAAYASAAEgJ-vfD_BwE
[26] https://silc.asu.edu/
[27] https://www.maricopa.edu/degrees-certificates/culture-society/spanish-spanish-culture-6243n-ac
[28] https://www.udgusa.org/actividades?id=1&t=Actividades+Acad%C3%A9micas
[29] https://app.mondly.com/
[30] https://www.babbel.com/
[31] https://albuquerque.cervantes.es/es/sobre_nosotros_espanol.htm
[32] https://albuquerque.cervantes.es/es/cursos_espanol/cursos_espanol.htm
[33] mailto:acceso.asu@asu.edu
[34] mailto:pgarciah@asu.edu
[35] https://graduate.asu.edu/current-students/funding-opportunities/awards-and-fellowships/asu-conacyt-doctoral-fellowships
[36] https://portales.sec.gob.mx/educacion-internacional/index.php?op=12&idp=5
[37] programa.sonari@sonora.edu.mx

# Transferring credits to ASU

## How credits transfer to ASU

When you transfer to ASU from another college or university, the following general standards for transfer credits apply. You can use ASU transfer tools to learn how credits will transfer and begin creating your roadmap to graduation.

### Transfer Guide

ASU's Transfer Guide is a helpful online tool to assist you in your transfer planning process. Manage your Transfer Pathways, requested course evaluations, saved courses searches, saved exam searches and more.

View the Transfer Guide [1]

### Accepted credits

ASU accepts college-level (not remedial) courses in which transfer students have earned a grade of "C-" (4.00="A") or better from regionally accredited colleges and universities.

Pass grades may be transferable to ASU if the institution or transcript indicates the "P" grade is comparable to a C- or better. Pass grades are not calculated into your transfer GPA for admission.

### Applicability

The applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU.

### Credit hours

A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college, with the exception of some special programs. An unlimited number of credits hours will be accepted from four-year institutions. Upon admission to the university, you will work with an ASU academic advisor to determine how your transferable credits apply toward your selected major.

### Credit conversion

Acceptable academic credits earned at other institutions that are based on a different unit of credit than the one prescribed by the Arizona Board of Regents are subject to conversion before being transferred to ASU. All ASU students must meet graduation requirements (university, college, major and general studies requirements) to earn a four-year degree.

### Degree requirements

The ASU college of your major determines how transfer courses fulfill the degree requirements of your ASU major. You should review the degree requirements of the program into which you intend to transfer and talk with an academic advisor about your transfer credits and how they will apply to your degree program.

### Determining GPA

Grades and honor points that you earned at other colleges and universities are considered for admission, but your ASU cumulative grade point average is based solely on coursework taken at ASU.

## Types of transfer credits not accepted by ASU:

- courses in which you earned below “C-” as your final grade
- credit awarded by postsecondary schools in the United States that lack candidate status or are not accredited by a regional accrediting association
- credit awarded by postsecondary schools for life experience
- credit awarded by postsecondary schools for courses taken at noncollegiate institutions (e.g., governmental agencies, corporations, industrial firms, etc.)
- credit awarded by postsecondary schools for noncredit courses, workshops and seminars offered by other postsecondary schools as part of continuing education programs

Students wishing to transfer to ASU and who feel they have been unjustly denied credit for transfer courses may appeal to the appropriate committee.

## Military credits

ASU is proud to welcome transfer student veterans of the Army, Navy, Air Force, Marines, Coast Guard and National Guard to our undergraduate student community.

## Evaluation of military transcripts

ASU uses the American Council on Education's Guide to the Evaluation of Educational Experiences in the Armed Services [2] to assess how to transfer military credits to ASU. In general, a military course must be similar to an ASU undergraduate course to transfer to ASU.

Military credits that transfer to ASU through educational experiences in the armed services are not applicable toward completing ASU’s general studies requirements [3] for graduation, but do count for total credits toward completion. No transfer credit is awarded for vocational certificate category ACE recommendations.

The JST is reviewed for potential transfer credit in accordance with VA guidelines and Arizona statutes related to awarding credit for military training and education. Credits are evaluated at the time of JST submission to ASU. It is recommended the JST be sent to ASU upon application to ensure timely processing and evaluation.

## Military transcripts accepted by ASU

**ASU accepts the following military transcripts to transfer credits:**

- JST [4] (Joint Services Transcript)
- Air University Transcript (formerly Community College of the Air Force) [5]

The CCAF is a regionally accredited community college. This transcript must be submitted as part of a student veteran’s admission package for anyone who served in the United States Air Force, Air Force Reserve or Air Guard.

## Veterans exception

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception may be used only one time and applies only to veterans who:

- are honorably discharged
- have served in the armed forces of the United States for a minimum of two years
- have previously enrolled at a university or community college in Arizona

Military service records must be submitted, including form DD 214.

### Credit by exam

You may earn no more than 60 hours of credit by exam for any degree program, including ASU comprehensive and proficiency exams.

ASU's credit by exam policy [6]

### Frequently asked questions about transferring college credits

**How do I transfer college credits to ASU?**
You can transfer credits to ASU by requesting your transcripts from all colleges you have attended and have them sent directly to ASU. Then, when you have completed the admission application, paid the application fee and are admitted to ASU, your qualifying credits will automatically be added to your ASU Degree Audit.

**How many college credits can be transferred to ASU?**
You can transfer a maximum of 64 college credits from a regionally accredited community, junior or two-year college for courses in which you have earned a “C” (4.00=“A”) or better.

**What is the ASU Transfer Guide?**
ASU’s Transfer Guide [7] is a useful tool that shows how college courses you’ve already taken will transfer to ASU. If you don’t see a particular course in the Transfer Guide, you can request a course evaluation.

View more FAQs [8]

**Source URL:** https://admission.asu.edu/apply/transfer/transferring-credits

**Links:**
[1] https://tcg.asu.edu/
[2] http://www.acenet.edu/news-room/Pages/Military-Guide-Online.aspx
[3] https://catalog.asu.edu/ug_gsr
[4] https://jst.doded.mil/jst/
[5] https://www.airuniversity.af.edu/Barnes/CCAF/Display/article/803247/community-college-of-the-air-force-transcripts/
[6] https://catalog.asu.edu/credit_exam
[7] https://webapp4.asu.edu/transfercreditguide/app/home
[8] https://admission.asu.edu/contact/faqs#transfer

## Admitted transfer student next steps

### Welcome to Arizona State University.

You’re now on your way to becoming part of the most innovative and forward-thinking university in the nation. And by choosing ASU, you will become a part of a community of master learners and doers who will support you during your journey at ASU.

We’ve gathered your next steps to help you prepare for your transition to ASU — plus we’ve added some extras for you to enjoy. You’ll be getting a lot of information about ASU in the coming months. This guide highlights the most important things to know so you’ll be prepared for your new Sun Devil status.

#### First day of classes

**Enrolling for fall 2023**
2023 Classes begin Aug. 17, 2023

**Enrolling for spring 2024**
Classes begin Jan. 8, 2024

If you've been admitted for spring 2023 but didn't enroll you can still enroll for fall 2023.

View Academic Calendar [1]

### Countdown to ASU

As you prepare to attend Arizona State University, you might have some questions. Use this Countdown to ASU website as your go-to resource for everything you need to know about getting ready for college, and register for some helpful events to get all your questions answered.

View the countdown [2]

### Need help?

**We're here for you.**
ASU admission specialists can answer your questions and guide you through each step of the enrollment process between now and the time you get here. Get to know yours.

Find my rep [3]

## Your next steps as an admitted transfer student

They say the longest journey begins with a single step. Well, enrolling at ASU isn't really a "long journey," but it does begin with one step, followed by a few more. Start taking your steps and checking them off as you complete them so you can be on your way to becoming a Sun Devil.

### Activate your ASURITE User ID

Your ASURITE User ID grants you access to My ASU and university services. See your admission letter for details if you haven't activated your ASURITE User ID yet.

When you activate your ASURITE User ID, you will select to have your ASU email forwarded to a personal account. It's important to check your email often for time-sensitive notifications and next steps about enrollment. You'll have access to your official ASU email when classes begin. You can check which email your ASU email is forwarding to by looking in the profile tab in My ASU.

If you previously applied to ASU, use your existing ASURITE User ID to activate and log in to My ASU and your ASU email.

Activate ASURITE [4]

Need help? You can find your activation code in an email from computer.accounts@asu.edu [5] with the subject line "ASU Account Activation." If you need assistance, call 1-855-278-5080 or 480-965-6500.

---

### Start the New Transfer Student Orientation Experience

In the New Transfer Student Orientation, you will prepare to take classes in the fall by completing essential next steps for enrollment. To access it, log into My ASU [6] to view details under Priority Tasks, or check out the New Transfer Student Orientation Experience website [7].

Transfer Orientation [7]

---

### Register for classes

You must meet with an academic advisor before you can register for classes. You can find your advisor's contact information in My ASU [6] under the Academic Support Team box. You may want to review the Transfer Guide [6] to view course equivalencies before meeting with your academic advisor.

Register on My ASU [6]

---

### Submit your FAFSA

The Free Application for Federal Student Aid is available now. Submit your completed FAFSA as soon as possible. ASU's Federal School Code is 001081.

Fall 2023: Complete the 2023-2024 FAFSA
Spring 2024: Complete the 2023-2024 FAFSA

Submit your FAFSA [8]

---

### Apply for scholarships

Transfer scholarships are available to help pay for tuition, housing, books and other costs when you transfer to ASU.

Apply [9]

---

### Submit your MMR immunization verification form

You must submit your measles (rubeola), mumps and rubella immunization form before classes begin. You can fax, email or mail your records to ASU Health Services [10].

Immunization form [10]

---

### Explore housing options

On-campus housing is limited for transfer students. You are encouraged to submit your housing application as soon as possible.

Learn more [11]

---

### Request final transcripts

As soon as you graduate or complete your current semester or term, request an official final transcript be sent from your college or university to ASU's Admission Services.

Learn more [12]

---

### Review parking and transportation

Cars are not the only way to get to ASU. The bus and light rail are affordable options too, and students walk, bike or skateboard on campus.

Review options [13]

---

### Visit campus

If you haven't toured campus already, visiting is the best way to get an idea of what life is like as a Sun Devil. Schedule a socially-distanced walking tour [14] with a campus tour guide at all of ASU's campuses. If you can't make it in person, take a virtual tour — or if you'd rather explore campus on your own, take a self-guided audio tour [15] to hear about every major campus attraction.

Visit campus [16]

---

### Attend welcome events

Get to know your campus and meet other transfer students at ASU's free welcome events. Explore the event schedule to discover which ones to attend.

Explore events [17]

### Virtual admit packet

The downloads below include the transfer students “Next steps” brochure and a guide to My ASU.

**Spring 2023 virtual admit packet**

Download [18]

**Fall 2023 virtual admit packet**

Download [19]

**Source URL:** https://admission.asu.edu/apply/transfer/admitted

**Links:**
[1] https://students.asu.edu/academic-calendar
[2] https://yourfuture.asu.edu/transfer/countdown
[3] https://admission.asu.edu/contact/undergraduate
[4] https://weblogin.asu.edu/password/activation
[5] mailto:computer.accounts@asu.edu
[6] https://my.asu.edu/
[7] https://newstudentorientation.apps.asu.edu/
[8] https://students.asu.edu/financialaid
[9] https://admission.asu.edu/cost-aid
[10] https://eoss.asu.edu/health/contact
[11] https://housing.asu.edu/
[12] https://admission.asu.edu/apply/transcripts
[13] https://cfo.asu.edu/transportation
[14] https://visit.asu.edu/schedule
[15] https://tours.asu.edu/
[16] https://visit.asu.edu/
[17] https://eoss.asu.edu/welcome/events
[18] https://admission.asu.edu/sites/default/files/2022-09/Transfer%20Spring%20Admit%20Packet%20Digital.pdf
[19] https://admission.asu.edu/sites/default/files/2022-09/Transfer%20Fall%20Admit%20Packet%20Digital.pdf

## International first-year student admission

Review the requirements and follow the steps below to apply to become an international first-year student at ASU.

### Applying to ASU as an international student

#### Academic requirements

First-year students must have a 3.00 grade point average (GPA) (a "B" or better where "A"=4.00) from a secondary school.

Some ASU programs may have higher admission or English proficiency requirements and may consider a minimum ACT or SAT score.

Must have three years of high school work (If you are currently in high school, ASU needs to see 9–11 grade work. If you have completed high school then ASU needs to see 10–12 grade work).

Must have and present a completed high school diploma or certificate.

#### Conditional admission

ASU may offer conditional undergraduate admission to international applicants to an on-campus program who meet the academic (aptitude) requirements but who are not proficient in English. This offer of conditional admission will give you time to improve your English proficiency before you start classes at ASU. Your conditional admission offer is good for up to three semesters, during which time you must meet one of these requirements [1] to begin your ASU experience.

### Competency requirements

International students who completed high school outside the U.S. are required to meet the following competency requirements:

- Math: four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).
- Laboratory science: three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences and physics).

International students who attended four years of high school in the U.S. are required to meet the competency requirements [2].

### Comparable degree requirements in different countries and territories

Arizona State University recognizes that educational systems are different across the world. To help you determine if your academic credentials are comparable to a U.S. high school degree and to understand the documents that need to be submitted for admission, please review the requirements for the country from which your credential was earned.

[Archivist's Note: In-page by-country requirements tool unable to be captured.]

### U.S Citizen?

If you are a U.S. citizen and completed all of your coursework in the U.S., visit our domestic first-year admission web page [3].

### Find an international first-year ASU representative

Find my rep [4]

### Find your degree program

Degree search [5]

## How to apply to ASU

### Step 01: Complete the undergraduate application for admission.

Apply online with ASU's Application for Admission [6] or the Common Application [7]. ASU accepts only one application. We have no preference between the ASU application or the Common Application. If two applications are submitted, one will be canceled in our system. Application fees are nonrefundable.

ASU's Application for Admission [6]
Common Application [7]

### Step 02: Submit the nonrefundable application fee.

International nonresidents: $85 ($70 for ASU online programs)

You can pay using a credit card (Visa or Mastercard) at the time you submit your application or when you log in to My ASU [8]. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services Applicant Processing
Arizona State University
PO Box 871004
Tempe, AZ 85287-1004

If you applied for admission through the Common Application [7], pay the application fee through that application.

My ASU [8]

### Step 03: Have official transcript(s) and examination results sent directly from your school(s) or exam board to Admission Services. Provide English translations of all documents not issued in English.

Official transcripts are certified copies of official documents from each secondary school, college, university or technical school attended. Records must include courses completed, grades or marks earned, and certificates or degrees awarded. Include a certified English translation of all documents not issued in English.

Visit the transcripts page for detailed information on submitting international transcripts and English translations

Transcripts Information [9]

### Step 04: Provide evidence of English language proficiency.

Have your TOEFL, IELTS, PTE, or DuoLingo English test score, sent directly to ASU, or provide proof of completion from Global Launch.

**TOEFL**
The official TOEFL score report can be sent directly to ASU from the Educational Testing Service. ASU's TOEFL institutional code is 4007. For information about this test and registration procedures, contact ETS at PO Box 6151, Princeton, NJ 08541-6151, USA or visit www.toefl.org [10].

**Duolingo English test**
Learn more about the Duolingo test [11]

**Global Launch**
ASU accepts completion of the Global Launch English Language program or English for Undergraduate Admission and Achievement online self-paced course. Learn more about Global Launch [12].

**IELTS**
For information about this test and registration procedures, contact the IELTS Office, University of Cambridge Local Examination Syndicate, 1 Hills Road, Cambridge/CB1 2EU, UK or visit www.ielts.org [13].

**PTE**
For information about the Pearson Test of English, visit www.pearsonpte.com [14].

**Undergraduate English proficiency** [1]

### Step 05: American university admission reminders

**Secondary and post-secondary documentation**
All documents must be an original or an attested copy with an original institutional seal and/or signature. Photocopies, notarized copies, faxes or scans are not considered original documents. All documents must be translated into English if the original is not issued in English.

**Note:** Before mailing or sending any documentation, you must fill out an ASU application. Sending documents before doing so will delay the processing of your application. It is also recommended that you include your ASU EMPLID on the envelope of any documents being mailed to ASU.

**Do you have any college credits?**

- All college work must be reported at the time of filling out your application.
- We must see all transcripts/academic records from all institutions that you have ever attended (regardless if you have finished the program at that institution or not).
- All documents not issued in English must be accompanied by an English translation.
- Access the transfer credit guide [15] to check your college credits.

**Professional third-party evaluations**
ASU provides in-house credential evaluations of your secondary and postsecondary academic records at no extra cost. However, if you have already had your academic credentials evaluated, ASU will consider course-by-course evaluations from the four agencies below:

- Educational Credential Evaluators [16]
- Foreign Credentials Service of America [17]
- Academic Credentials Evaluation Institute [18]
- Scholaro. [19]

**Note:** Official evaluations do not take the place of official academic records. The evaluation is in addition to the official academic record. If the evaluation agency includes academic records they used to complete their evaluation and indicates that the evaluation was based on official or authenticated records, we may accept those documents as official.

Transfer guide [20]

### Step 06: Submit your ACT or SAT scores (optional).

ACT or SAT scores are not required for admission, but may be submitted for ASU course placement or as supplemental information. Have your scores sent to ASU from ACT [21] or College Board [22] when you register for the test.

FAQs [23]

### Step 07: Check application status.

Once you've completed all these steps, ASU will review your application. To see if you have any missing items, and to review your admission status and I-20 status, sign in at My ASU using your ASURITE UserID, which is sent to you after you apply for admission.

**Activate My ASU and your ASURITE UserID**
You will receive your ASURITE UserID and activation code via email within one to three business days of submitting your application. If you have previously applied to ASU, your ASURITE UserID will remain the same. You'll use your ASURITE UserID to login to My ASU. If you have previously applied to ASU, your ASURITE UserID will remain the same. If you have not previously activated My ASU, have your activation code sent to you [24] by submitting your ASU ID number and last name. If you have trouble logging in with your ASURITE UserID, contact the ASU Help Desk at 855-278-5080 or contact.asu.edu [25].

Check application status [8]

### Step 08: Submit your student visa application.

All international students planning to attend Arizona State University will need to first apply for an I-20 in order to apply for an F-1 or J-1 student visa.

Student visa info [26]

## Application deadlines

You must submit your application for admission to ASU, along with the application fee, by the deadline specified for each semester. To expedite the evaluation of your application, please remember to submit official transcripts, test scores and supporting credentials along with your application.

### Fall 2023

**Jan. 15, 2023**
Application priority deadline
**May 1, 2023**
Enrollment deposit date
(first-year students only)
**Aug. 17, 2023**
First day of classes

**Note:** Applications for summer that are not completed in time for the start of the summer sessions will be reviewed for admission for the fall semester.

**Note:** International students who have been admitted for the fall semester who would like to begin attending classes during the summer must contact Admission Services [27] by May 1. Otherwise, I-20s will be created for the fall semester.

Make sure to apply as early as possible to allow time for all documentation and processes to be completed.

**Virtual campus tours**
Take a virtual tour [28]

**What kind of student are you?**
Take the quiz [29]

**ASU Rankings**
View rankings [30]

**Campus fit quiz**
Take the quiz [31]

**Phoenix life**
Find out more [32]

**Degree search**
Search degrees [1]

**Tuition estimator**
Calculate costs [33]

**Contact your rep**
Contact [4]

## Frequently-asked questions about international first-year admissions

**How do I apply to an American university as an international student?**
To apply to ASU as an international student, you must meet certain academic requirements, as well as demonstrate proof of English proficiency. Review this page for admission and English proficiency requirements, application procedures and deadlines for undergraduate students.

**Do I have to know English to study at ASU?**
Yes. ASU requires proof of English proficiency from all international student applicants, or applicants whose native language is not English. ASU accepts TOEFL, PTE, IELTS, or DuoLingo English test scores or completion of ASU's Global Launch English and academic preparation courses as proof of English proficiency.

**What is Global Launch?**
Global Launch is Arizona State University's English language and academic preparation unit, providing face-to-face and online English and Pathways programs for international students seeking admission to the university.

View more FAQs [34]

**Source URL:** https://admission.asu.edu/apply/international/first-year

**Links:**
[1] https://admission.asu.edu/international/undergrad/english-proficiency
[2] https://admission.asu.edu/first-year/competency-requirements
[3] https://admission.asu.edu/first-year/apply
[4] https://admission.asu.edu/contact/undergraduate
[5] https://degrees.asu.edu/
[6] https://webapp4.asu.edu/uga_admissionsapp/
[7] https://apply.commonapp.org/Login?ma=901
[8] https://my.asu.edu
[9] https://admission.asu.edu/apply/transcripts
[10] http://www.ets.org/toefl
[11] https://testcenter.zendesk.com/hc/en-us/sections/360001819272-Preparing-for-the-Duolingo-English-Test

[12] https://globallaunch.asu.edu/learn-english/asu-admission
[13] https://www.ielts.org/en-us/
[14] https://www.pearsonpte.com/
[15] https://webapp4.asu.edu/transfercreditguide/app/home?init=false&nopassive=true
[16] https://www.ece.org/ECE
[17] https://foreigncredentials.org/
[18] https://www.acei-global.org/
[19] https://www.scholaro.com/
[20] https://transferguide.apps.asu.edu/app/home?init=false&nopassive=true
[21] https://www.act.org/content/act/en/products-and-services/the-act/scores/sending-your-scores.html
[22] https://satsuite.collegeboard.org/sat/scores/send-scores-to-colleges/sending-scores
[23] https://admission.asu.edu/contact/faqs#general
[24] https://weblogin.asu.edu/password/activation?step=resendCode
[25] https://contact.asu.edu/
[26] https://admission.asu.edu/international/student-visa
[27] https://admission.asu.edu/contact
[28] https://visit.asu.edu/
[29] https://admission.asu.edu/quiz/experience
[30] https://www.asu.edu/rankings
[31] https://yourfuture.asu.edu/campus-fit
[32] https://admission.asu.edu/campus-life/phoenix
[33] https://tuition.asu.edu/cost-calculator/tuition
[34] https://admission.asu.edu/contact/faqs#international

## International transfer student admission

**U.S Citizen?**
If you are a U.S. citizen and completed all of your coursework in the U.S., visit our domestic transfer admission web page [1].

**International Student Guide**
Download brochure [2]

## International transfer student admission

### How to transfer colleges as an international student

#### Comparable requirements to a high school diploma

Arizona State University recognizes that educational systems are different across the world. To help you determine if your academic credentials are comparable to a U.S. high school degree and to understand the documents that need to be submitted for admission, please review the requirements for the country from which your credential was earned.

[Archivist's Note: In-page by-country requirements tool unable to be captured.]

### How to complete the undergrad application as an international transfer student

**Your info**
The first step in completing the ASU undergraduate application is the My Information section. We walk you through each of these fields and address questions you might have about this section of the application.

Apply to ASU step 1: Your info video [3] on Youtube.

**Academic history**
The second section of the application focuses on your prior academic history, including high school and any colleges or universities you previously attended. Watch as we guide you through these scenarios and explain how to fill out each part based on your situation.

Apply to ASU step 2: Academic history video [4] on Youtube.

**Grades**
All students have the option to self-report high school grades in the My Grades section of the application, though self-reporting is not required. In this video, we walk you through this process and explain what courses you should include, how to add these courses to your application and more.

Apply to ASU step 3: Grades [5] video on Youtube.

**Residency**
The information you share in the residency portion of the undergraduate application helps the admission office determine if you are an in-state, out-of-state or international student. In this video, we cover these terms in detail and explain how to accurately fill out this part of your application.

Apply to ASU step 4: Residency [6] video on Youtube.

**Choose a major**
One of the final sections of the undergraduate application is the Choose Major section. If you're unsure about what major is best for you, we offer resources that might help you decide. Of course, you can always change your major later.

Apply to ASU step 5: Choose a degree [7] video on Youtube.

**Submit**
Now all that's left is to review your application, submit it and pay the application fee. In this video, we review how to pay the application fee and what the next steps are now that you've submitted your application to ASU.

Apply to ASU step 6: Submit video [8] on Youtube.

## International transfer student admission requirements

### Academic Requirements

Transfer students are considered anyone with 12 or more transferable credits completed post high school. Transfer students must have a minimum 2.50 cumulative GPA (a "C+" or better where "A"=4.00).

Some majors have higher admission requirements. To find the requirements for your specific program, please visit ASU's Degree [9].

Some ASU programs may have higher admission and English proficiency requirements and may consider a minimum ACT or SAT score.

Must have and present a completed high school diploma or certificate.

You must submit official transcripts from every high school, college and university you attended, regardless if a degree was earned.

For more information on the process, additional requirements for students with additional credits and other information, visit transfer apply [10].

### Aptitude requirement

**You must meet one of the following:**

- Transfer students with 12–23 transferable credits must also have a minimum 2.50 cumulative transfer GPA and meet first-year student admission requirements [10].
- Transfer students with 24 or more transferable credits must have a minimum 2.50 cumulative transfer GPA.
- Transfer students who have earned an associate degree or higher from a regionally accredited higher education institution must have a minimum 2.00 cumulative GPA (for Arizona residents) or 2.50 cumulative GPA (for nonresidents).

---

Some majors have higher admission requirements. To find the requirements for your specific program, please visit ASU's Degree Search [11].

"A" = 4.00; ASU accepts college-level courses in which you have earned a "C-" or better.

### Competency requirements

International students who attended four years of high school in the U.S. are required to meet the competency requirements.

- **English**: four years (composition/literature based).
- **Math**: four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).
- **Laboratory science:** three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences, and physics).
- **Social science**: two years (including one year American history).
- **Foreign language:** two years (same language).
- **Fine arts:** one year.

International students who completed high school outside the U.S. are required to meet the following competency requirements:

- **Math:** four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).
- **Laboratory science:** three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences and physics).

## Important deadlines

You must submit your application for admission to ASU, along with the application fee, by the deadline specified for each semester. To expedite the evaluation of your application, please remember to submit official transcripts, test scores and supporting credentials along with your application.

### Fall 2023

**Feb. 1, 2023**
Application priority deadline

**July 17, 2023**
Final day to issue I-20/DS-2019 outside the U.S.

**July 17, 2023 — Aug 17, 2023**
MANDATORY SEVIS check-in with ISSC

**August 17, 2023**
First day to issue I-20/DS-2019 for SEVIS transfer students within the U.S.

**August 17, 2023**
First day to issue I-20/DS-2019 for transfer students within the U.S.

### Spring 2024

**November 1, 2023**
Application priority deadline

**Dec. 8, 2023**
Final day to issue I-20/DS-2019 outside the U.S.

**Jan. 8, 2023**
Final day to issue I-20/DS-2019 for SEVIS transfer students within the U.S.

**Jan. 8, 2024**
First day of classes

**Note:** Applications for summer that are not completed in time for the start of the summer sessions will be reviewed for admission for the fall semester.

**Note:** International students who have been admitted for the fall semester who would like to begin attending classes during the summer must contact Admission Services [12] by May 1. Otherwise, I-20s will be created for the fall semester.

Make sure to apply as early as possible to allow time for all documentation and processes to be completed.

## How to apply to ASU

### Step 01: Complete the undergraduate application for admission.

Apply online with ASU's Application for Admission [13] or the Common Application [14]. ASU accepts only one application. We have no preference between the ASU application and the Common application. If two applications are submitted, one will be canceled in our system. The application fee is $85 (U.S. Dollars) and is nonrefundable.

ASU's Application for Admission [13]
Common Application [14]

### Step 02: Check application status.

Once you've completed all these steps, ASU will review your application. To see if you have any missing items, and to review your admission status and I-20 status, sign in at My ASU [15] using your ASURITE UserID, which is sent to you after you apply for admission.

**Activate My ASU and your ASURITE UserID**
You will receive your ASURITE UserID and activation code via email within one to three business days of submitting your application. If you have previously applied to ASU, your ASURITE UserID will remain the same. You'll use your ASURITE UserID to login to My ASU. If you have not previously activated My ASU, have your activation code sent to you [16] by submitting your ASU ID number and last name. If you have trouble logging in with your ASURITE UserID, contact the ASU Help Desk at 855-278-5080 or contact.asu.edu [17].

Check application status [17]

### Step 03: Have official transcript(s) and examination results sent directly from your school(s) or exam board to Admission Services. Provide English translations of all documents not issued in English.

Official transcripts are certified copies of official documents from each secondary school, college, university or technical school attended. Records must include courses completed, grades or marks earned, and certificates or degrees awarded. Include a certified English translation of all documents not issued in English.

For more detailed information on submission of international transcripts and English translations, please visit our transcripts page [18].

**High school transcripts**
If you haven't completed an associate degree or higher from a U.S. regionally accredited university or college you must submit one of the following:

- Official high school transcript with a graduation date
- Official U.S. GED/HiSet transcripts
- Affidavit of Completion of Secondary School Education

ASU accepts hand-delivered official high school transcripts in sealed envelopes from applicants. (ASU does not accept faxed high-school transcripts.)

NOTE: Transfer applicants with 24 or more transferable semester credit hours from a regionally accredited college or university or recognized international university, including previously completed ASU credits, and who will be 22 or older by the start of the requested semester of admission, will not be required to submit a high school transcript for admission. Once all prior college or university transcripts and outstanding admission items are received and verified, the high school transcript requirement will be waived. Transfer applicants are required to have graduated from an approved high school (or equivalent) prior to the semester of requested admission at ASU, and to include this information on the application for admission.

### Step 04: Provide evidence of English language proficiency.

Have your TOEFL, IELTS, PTE, or DuoLingo English test score, sent directly to ASU, or provide proof of completion from Global Launch.

**TOEFL**
The official TOEFL score report can be sent directly to ASU from the Educational Testing Service. ASU's TOEFL institutional code is 4007. For information about this test and registration procedures, contact ETS at PO Box 6151, Princeton, NJ 08541-6151, USA or visit http://www.ets.org/toefl [19].

**IELTS**
For information about this test and registration procedures, contact the IELTS Office, University of Cambridge Local Examination Syndicate, 1 Hills Road, Cambridge/CB1 2EU, UK or visit www.ielts.org [20].

**PTE**
For information about the Pearson Test of English, visit www.pearsonpte.com [21].

**Global Launch**
ASU accepts completion of the Global Launch English Language program or English for Undergraduate Admission and Achievement online self-paced course. Learn more about Global Launch [12].

**Duolingo English test**
Learn more about the Duolingo test [23]

Undergraduate English proficiency [24]

### Step 05: American university admission reminders

**Secondary and post-secondary documentation**
All documents must be an original or an attested copy with an original institutional seal and/or signature. Photocopies, notarized copies, faxes or scans are not considered original documents. All documents must be translated into English if the original is not issued in English.

**Note:** Before mailing or sending any documentation, you must fill out an ASU application. Sending documents before doing so will delay the processing of your application. It is also recommended that you include your ASU EMPLID on the envelope of any documents being mailed to ASU.

**Do you have any college credits?**
- All college work must be reported at the time of filling out your application.
- We must see all transcripts/academic records from all institutions that you have ever attended (regardless if you have finished the program at that institution or not).
- All documents not issued in English must be accompanied by an English translation.
- Access the transfer credit guide [25] to check your college credits.

**Professional third-party evaluations**
ASU provides in-house credential evaluations of your secondary and postsecondary academic records at no extra cost. However, if you have already had your academic credentials evaluated, ASU will consider course-by-course evaluations from the four agencies below:
- Educational Credential Evaluators [26]
- Foreign Credentials Service of America [27]
- Academic Credentials Evaluation Institute [28]
- Scholaro [29]

**Note:** Official evaluations do not take the place of official academic records. The evaluation is in addition to the official academic record. If the evaluation agency includes academic records they used to complete their evaluation and indicates that the evaluation was based on official or authenticated records, we may accept those documents as official.

### Step 06: Submit your ACT or SAT scores (optional)

ACT or SAT scores are not required for admission, but may be submitted for ASU course placement or as supplemental information. Have your scores sent to ASU from ACT or [30] College Board [45] when you register for the test. Learn more about sending your test scores to ASU in our FAQ section [31].

### Step 07: Submit your student visa application.

All international students planning to attend Arizona State University will need to first apply for an I-20 in order to apply for an F-1 or J-1 student visa.

Student visa info [32]

## Schedule a transfer appointment

Contact our international transfer specialist to learn more about studying at ASU and get all your questions answered.

Contact us [33]

## Frequently-asked questions about international transfer admissions

**How do I apply to ASU as a transfer student?**
To apply to ASU as an international student, you must meet certain academic requirements, as well as demonstrate proof of English proficiency. Review this page [42] for admission and English proficiency requirements, application procedures and deadlines for undergraduate students.

Requirements [42]

**How do I transfer credits to an American university?**
When you transfer to ASU from another college or university, the following general standards for transfer credits apply. You can use ASU transfer tools [43] to learn how credits will transfer and begin creating your roadmap to graduation.

Transfer tools [43]

**How many credits can be transferred to ASU?**
You can transfer a maximum of 64 credits from a regionally accredited community, junior or two-year college for courses in which you have earned a “C” (4.00=“A”) or better.

View more FAQs [44]

**Source URL:** https://admission.asu.edu/apply/international/transfer

**Links:**
[1] https://admission.asu.edu/transfer/apply
[2] https://admission.asu.edu/sites/default/files/2021-09/internationaltransferbrochure_v5.pdf
[3] https://www.youtube.com/watch?v=68o3q9HYvek
[4] https://www.youtube.com/watch?v=iYQIQgu2X2c
[5] https://www.youtube.com/watch?v=J7xwYf1NbTU
[6] https://www.youtube.com/watch?v=QvcgOihkme8
[7] https://www.youtube.com/watch?v=JSUsoRU-zl4
[8] https://www.youtube.com/watch?v=lcEiT0ylLJE
[9] https://asu.edu/degrees
[10] https://admission.asu.edu/transfer/apply
[11] https://degrees.asu.edu/
[12] https://admission.asu.edu/contact
[13] https://www.asu.edu/ugapp
[14] https://apply.commonapp.org/Login?ma=901
[15] https://my.asu.edu/
[16] https://weblogin.asu.edu/password/activation?step=resendCode
[17] https://contact.asu.edu/
[18] https://admission.asu.edu/apply/transcripts
[19] http://www.ets.org/toefl
[20] https://www.ielts.org/en-us/
[21] https://www.pearsonpte.com/
[22] https://globallaunch.asu.edu/learn-english/asu-admission
[23] https://testcenter.zendesk.com/hc/en-us/sections/360001819272-Preparing-for-the-Duolingo-English-Test
[24] https://admission.asu.edu/international/undergrad/english-proficiency
[25] https://webapp4.asu.edu/transfercreditguide/app/home?init=false&nopassive=true&_ga=2.163341308.1784076978.1602520829-268554747.1597098393
[26] https://www.ece.org/ECE
[27] https://foreigncredentials.org/
[28] https://www.acei-global.org/
[29] https://www.scholaro.com/
[30] https://collegereadiness.collegeboard.org/sat/scores/sending-scores/how-to-send
[31] https://admission.asu.edu/contact/faqs#general

[32] https://admission.asu.edu/international/student-visa
[33] https://admission.asu.edu/contact/undergraduate
[34] https://visit.asu.edu/live-hosted-visit
[35] https://tours.asu.edu/
[36] https://admission.asu.edu/quiz/experience?fname=&lname=&email=&stype=&zipcode=&country=&sterm=&rf=
[37] https://yourfuture.asu.edu/campus-fit
[38] https://admission.asu.edu/campus-life/phoenix
[39] https://degrees.asu.edu/
[40] https://tuition.asu.edu/cost-calculator/tuition
[41] https://admission.asu.edu/contact/undergraduate
[42] https://admission.asu.edu/transfer/transferring-credits
[43] https://webapp4.asu.edu/transfercreditguide/app/home?init=false&nopassive=true&_ga=2.231581791.1784076978.1602520829-268554747.1597098393
[44] https://admission.asu.edu/contact/faqs#international
[45] https://satsuite.collegeboard.org/sat/scores/send-scores-to-colleges/sending-scores

## International undergraduate applicants English proficiency

### Pass the TOEFL, IELTS or PTE or Duolingo English test

**Test of English as a Foreign Language (TOEFL)**
ASU accepts the TOEFL iBT® taken in a testing center. ASU does not accept TOEFL iBT® Home Edition, TOEFL iBT® Paper Edition, or TOEFL Essentials Exams.

**TOEFL iBT (internet-based test)**
For the general requirement programs, the minimum score is 61 (iBT). ASU's institutional code is 4007. ASU accepts only electronic copies of the TOEFL score report.

Bachelor of Science in Nursing: minimum score of 76.

Ira. A Fulton Schools of Engineering (higher admission requirement programs only): minimum score of 79.

Walter Cronkite School of Journalism and Mass Communication: minimum score of 100.

Learn more about the TOEFL. [1]

**International English Language Testing System (IELTS)**
ASU accepts IELTS Academic, IELTS Online, IELTS UKVI, and IELTS Indicator exams

The overall band score requirement for the academic test is at least 6.0. The general training exam is not accepted. No institutional code is needed.

Bachelor of Science in Nursing: minimum score of 6.5.

Ira. A Fulton Schools of Engineering (higher admission requirement programs only): minimum score of 6.5.

Walter Cronkite School of Journalism and Mass Communication: minimum score of 7.0.

Learn more about IELTS. [2]

**Pearson Test of English (PTE)**
ASU requires a score of at least 53.

This test is not accepted for admission to the Bachelor of Science in Nursing program.

Ira. A Fulton Schools of Engineering (higher admission requirement programs only): minimum score of 58.

Walter Cronkite School of Journalism and Mass Communication: minimum score of 73.

ASU does not accept the PTE Academic Online exam.

Learn more about PTE. [3]

**Duolingo English test**
General requirement programs: minimum score of 95.

Bachelor of Science in Nursing: minimum score of 100.

Ira. A Fulton Schools of Engineering (higher admission requirement programs only): minimum score of 105.

Walter Cronkite School of Journalism and Mass Communication: minimum score of 120.

Learn more about the Duolingo English test. [4]

The exam may be taken from any computer that has a camera, audio and reliable internet. The exam portion of the Duolingo English test contains a series of speaking, reading, writing and listening exercises. Following the exam, there will be an interview portion that will ask you to respond to various prompts in 30 to 90 seconds. The exam will take about 45 minutes to complete and you will need either a passport, driver license, or national or state ID to show the camera. The score results are generally received within a few days of exam completion.

Should you choose to take the Duolingo English test, the access information is below.

Information on preparing for the exam [4]

Take the exam or practice exam [5]

A verification email will be sent to you a few days after completing the exam containing a link to send your score to ASU.

For additional information, please review the frequently asked questions [6].

An IELTS, PTE, TOEFL or Duolingo must have been taken no longer than two years prior to the student's start date at ASU. Applicants who have scores that are more than two years old (or will be more than two years old by the time of ASU's start date) may be requested to submit updated test scores or demonstrate English proficiency through one of the other listed options.

### Complete Global Launch courses at ASU*

#### English language program

Complete the highest level of the Campus or Online Immersion English language program with a passing grade of B- (80%) or better.

#### Online self-paced English course

Complete the English for Undergraduate Admission and Achievement online course with a passing score.

**Learn more about Global Launch** [7]

*Individual academic units may have higher requirements for English proficiency. Review your degree program of interest for details. Visit ASU's degree search to find your program.

**Other ways to demonstrate English proficiency**

1. U.S. citizens or U.S. permanent residents.
2. Citizen of a country/territory on the ASU English speaking country and territory list

Anguilla
American Samoa
Antigua and Barbuda
Australia
Bahamas, The
Belize
Bermuda
Barbados
Botswana
British Indian Ocean Territory
British Virgin Islands
Canada (all provinces except Quebec)
Cook Islands
Cayman Islands
Dominica
Fiji
Falkland Islands (Malvinas)
Micronesia, Federated States
Ghana
Gambia, The
Grenada
Guam
Guyana
Ireland
Jamaica
Kenya

Liberia
Lesotho
Montserrat
Mauritius
Malawi
Norfolk Island
Northern Mariana Islands
Nigeria
New Zealand
Pitcairn Islands
Philippines
Puerto Rico
Saint Helena
Saint Kitts and Nevis
Saint Lucia
Saint Vincent & the Grenadines
Sierra Leone
South Africa
Swaziland
Tanzania
Tokelau
Trinidad and Tobago
Turks and Caicos Islands
Tuvalu
Uganda
United Kingdom
United States
US Misc Pacific Islands
Virgin Islands
Zimbabwe

3. Junior and senior year of high school completed in the U.S. AND ACT English score of 23 or higher or SAT EBRW score of 580 or higher, AND two years English.
4. Four years of high school in the U.S. with four years of English.
5. 48 transferable credits from a regionally accredited U.S. college or university with a GPA of 2.50 or higher, of which six credits are in first-year English (comparable to ASU ENG 107 and 108).
6. Undergraduate applicants who have earned a secondary or high school degree or higher from an international institution that is officially recognized by that country, and whose sole medium of instruction for the degree program was in English. If the transcript does not indicate language of instruction, the applicant should email asuinternational@asu.edu [8] to request exemption and include a letter from the institution on letterhead indicating language of instruction or provide information on the institution website to verify language of instruction.

**Note:** English as a Second Language (ESL) courses are not accepted as proof of English proficiency

**Source URL:** https://admission.asu.edu/apply/international/undergrad/english-proficiency

**Links:**
[1] https://www.ets.org/toefl
[2] https://www.ielts.org/
[3] https://www.pearsonpte.com/
[4] https://testcenter.zendesk.com/hc/en-us/sections/360001819272-Preparing-for-the-Duolingo-English-Test
[5] https://englishtest.duolingo.com/applicants
[6] https://testcenter.zendesk.com/hc/en-us
[7] https://globallaunch.asu.edu/learn-english/asu-admission
[8] mailto:asuinternational@asu.edu

## International student visas

### I-20 updates for the 2023 semesters

We look forward to your arrival and have been hard at work making plans to welcome our new international students to campus.

#### What we want you to know

1. Do not delay in submitting your documents required for issuance of your I-20 to us. Upload your documents required to issue an I-20 through My ASU [1]. The upload tool on My ASU only allows the upload of each document type once, so please be sure to have all your documents ready prior to upload. If you upload financial documents that do not cover the full funding needed as shown on the financial guarantee, you will be requested to submit additional documentation to show the full funding which will delay issuance of your I-20. Please be sure to make sure your financial documents show sufficient funding prior to uploading.
2. Once ASU has received all documents to issue an I-20 and has verified that the documents are complete, your I-20 will be emailed to you. Once received, you will want to print the I-20 and sign the document. You will not receive a physical I-20 via mail.
3. Once you have received your I-20, do not delay in contacting your consulate to obtain a visa appointment. Some consulates may have long wait times, so do not delay on securing an appointment time.
4. If you are unable to submit your documentation needed to receive an I-20 from ASU or are unable to obtain your F1 visa in time to arrive by the start of the semester of your admission, contact ASUinternational@asu.edu and we can advise you on your options.
5. If you have any questions, please contact our International Admission Services team. We will work with you to keep you on track.

### Helpful reminder

Be sure to check wait times for your local embassy [2] or consulate, as some areas may be experiencing wait times longer than 30 days. You can now apply for your visa up to 365 days before the start date listed on your I-20. Complete these steps as soon as possible so that when your local embassy can take your appointment, you will be ready to proceed with your next steps.

## Types of international student visas

As an international student at Arizona State University, you will need to obtain an F-1 or J-1 student visa.

### F-1 student visa

The F-1 visa is the most common student visa and is issued to full-time students enrolled in an academic or language program at a U.S. institution. Any student who is funded either by personal or outside funds, or a combination of the two, is eligible for F-1 status. If you are a student applying for an F-1 visa, you must request the SEVIS Form I-20 from the appropriate ASU admission office once admitted to ASU.

### J-1 student visa

The J-1 visa is an exchange visitor visa issued to students at all academic levels. Students must have a substantial portion of their funding coming from a source other than their personal finances (e.g., their home institution or government). If you are a student applying for a J-1 visa, you must request Form DS-2019 from the appropriate ASU admission office once admitted to ASU.

### F-2 dependent visa (undergraduate)

The F-2 visa is a nonimmigrant visa that allows dependent spouses and children of F-1 student visa holders to enter the U.S. and enroll in an educational institution. As a student with F-2 visa status, you can attend ASU only as a part-time student. For the undergraduate level, this means you may register for up to 11 credit hours for the spring and fall terms.

More F-2 information [3]

### F-2 dependent visa (graduate)

The F-2 visa is a nonimmigrant visa that allows dependent spouses and children of F-1 student visa holders to enter the U.S. and enroll in an educational institution. As a student with F-2 visa status, you can attend ASU only as a part-time student. For the graduate level, this means you may register for up to eight credit hours for the spring and fall terms. Some graduate programs do not allow students to attend part time. For additional information, please contact your program of interest.

More F-2 information [3]

## SEVIS Form I-20

An initial I-20 is issued for students with a new SEVIS record. A transfer I-20 is issued for students who have an active SEVIS record at a U.S. high school or higher education institution, and are transferring their records to ASU.

### Initial I-20

If you have not been issued an I-20 in the past, or if you have but the SEVIS record affiliated with that I-20 was terminated or completed, you should request an initial I-20.

Once you have uploaded all required documents in My ASU [1] for the I-20, ASU Admission Services will begin the process of creating your initial I-20.

### Transfer I-20

If you have an active SEVIS record at another U.S. school (high school or higher education institution) and are requesting an I-20 through ASU, you should follow the Request Transfer SEVIS Form I-20 [4] section below. Once you have uploaded all required documents in My ASU [1] for the I-20, ASU Admission Services will begin the process of creating your transfer I-20.

Transfer Sevis section [5]

## Getting an I-20

An I-20 is an important immigration document that F-1 students need in order to obtain their student visa and enter the U.S. ASU guides each student through the process of obtaining their I-20. **Priority Tasks** on My ASU [1] alerts students to the steps they need to take. The process of obtaining an I-20 can take some time, so it is important not to wait until the last minute to begin gathering the necessary documents and uploading them.

For sponsored students, the steps to obtaining an I-20 are slightly different than for nonsponsored students. Students should use the descriptions below to determine whether or not they are a sponsored student.

### Sponsored student

A sponsored student's school and living expenses are paid by a sponsoring agency recognized by ASU.
Some examples of sponsoring agencies are ADNOC, ARAMCO, Dubai Electricity & Water Authority, Kuwait Cultural Office, Oman Cultural Division, Qatar Airways, Qatar Defense Attaché, Qatar Higher Education Institute, Qatar Petroleum, RasGas, Saudi Arabian Cultural Mission, Sidra, UAE Cultural Division and the UAE Scholarship Coordination Office.

Most of ASU's sponsored students come from Saudi Arabia, Kuwait, UAE, Qatar and Oman.

Note: Students receiving an ASU scholarship or TA/RA position are not considered sponsored students.

Once you have uploaded all required documents in My ASU [1] for the I-20, ASU Admission Services will begin the process of creating your initial I-20.

### Nonsponsored student

A non-sponsored student's school and living expenses are paid for through personal or family funds, loans or through other means not associated with an ASU-recognized sponsoring agency.

Students who are unsure if they are a sponsored student should contact ASU Admission Services at ASUinternational@asu.edu [6] or +1 480-965-2437.

## How to request an I-20

### Step 01: Fill out the Financial Guarantee form

In compliance with the Department of Homeland Security and SEVIS regulations, all international applicants on the F-1 student visa must provide evidence of sufficient funds available for their studies in the U.S. For this purpose, a Financial Guarantee form [7] must be completed and submitted along with bank statements dated within the past 12 months and signed or wet stamped by an authorized bank or representative, or by a recognized sponsoring agency in the U.S. Please submit your Financial Guarantee form along with your bank statements or sponsor letter from an authorized sponsoring agency. ASU will not be able to process your SEVIS Form I -20 without receipt of your Financial Guarantee.

Please refer to the Financial Guarantee form to determine the amount of funds required for your specific program and campus. You can access the form here [7].

Students with dependents (a spouse and/or child) who will be joining them in the U.S. during their time on an F-1 or J-1 visa will need to provide proof of the following additional funds:

**Additional financial support needed for dependents**
Spouse – $7,000
Each child – $5,000

Financial Guarantee form [7]

### Step 02: Provide bank statements

The Financial Guarantee form is separate from the financial documentation that you will need to provide. Examples of financial documents valid for I-20 processing are listed below.

Bank statements that show liquid funds (funds that can be immediately accessed and used). These can be one statement covering the entire amount displayed on the financial guarantee form for one year of attendance at the university, or a collection of bank statements from the people listed on the financial guarantee as sponsors. Note that the summary of available balances on these statements will still need to total the amount listed on the financial guarantee form for one

year of attendance at the university. These statements need to be dated within the last 12 months. Please note that an Affidavit of Support cannot be used in lieu of a bank statement.

For sponsored students, a sponsor letter produced by a sponsoring agency recognized by ASU stating the applicant's full name, academic program in ASU, term of the sponsorship and amounts covered by it. Some of the agencies are: ADNOC, ARAMCO, Dubai Electricity & Water Authority, Kuwait Cultural Office, Oman Cultural Division, Qatar Airways, Qatar Defense Attaché, Qatar Higher Education Institute, Qatar Petroleum, RasGas, Saudi Arabian Cultural Mission, Sidra, UAE Cultural Division and the UAE Scholarship Coordination Office. You can read more about this in the sponsored student section.

**Scholarship Letters and TA/RA (ASU teaching assistant/resident assistant) offer letters:** If the scholarship and/or TA/RA offers does not cover the full costs indicated on the Financial Guarantee for your program, please make sure that additional funding support documentation is also submitted.

### Step 03: Upload a copy of your passport

You may take a clear photo or scan of the biographic page of your passport and upload it to the link on My ASU [1]. The bio page is the page that shows your picture and personal details. Your passport must be valid for at least six months after your proposed date of entry into the U.S. If it is not valid, the I-20 will not be processed.

### Step 04: Request initial SEVIS Form I-20

**Undergraduate students**
Once you are admitted to ASU and submit your financial guarantee, you will need to complete two steps for us to create and send your SEVIS Form I-20. The tasks will appear in your Priority Tasks list on My ASU [1]. Upload the following items through My ASU, Once received, Admission Services will review the documents and if all items are complete will process the request for I-20. If any items are incomplete, you will receive an email and priority task on My ASU requesting updates.

- Financial Guarantee form [7]
- Proof of finances (bank statement)
- Passport

If you are already studying in the U.S. on a SEVIS Form I-20, you will need to have your records transferred to ASU by following the Transfer SEVIS Form I-20 steps (see Step 03 below).

**Graduate students**
Once you are admitted to a graduate program at ASU, you will see new items on your My ASU [1] Priority Tasks list. The items include:

- Financial Guarantee form
- Proof of finances
- Passport

When you click on the items in your Priority Tasks, a pop-up box will provide you with additional information and directions for what you need to do.

You will also see two Graduate Admission Services holds, which will be removed only when your SEVIS Form I-20 is issued. We are looking to have these holds removed, but still waiting on ISD feedback on when this can be done.

When you submit your Financial Guarantee form and proof of finances, copy of your passport, and SEVIS transfer form (if applicable) allow three business days for the items to be processed and removed from your Priority Tasks list. When the documentation has been added to your electronic file, the documentation will be reviewed within 7-10 business days for completeness and that the financial documents show sufficient funding for one academic year. If anything is found to be incomplete or lacking funds, you will receive an email and updated priority task requesting updated documentation. Once the documentation has been verified as complete, your I-20 will be emailed to you.

**OR**

**Request Transfer SEVIS Form I-20**
Print the ASU SEVIS Transfer Request form [8] and submit it to your current school informing your intent to enroll at ASU. Once the DSO at your transfer out institution has signed the SEVIS transfer request form, upload the document through My ASU.

Once the SEVIS Transfer Form, Financial Guarantee, Financial Documents and copy of passport are received and verified to be accurate, ASU will email you the I-20 once the SEVIS release date indicated on the SEVIS Transfer Form has arrived. We are unable to transfer your SEVIS record and issue an I-20 until the date indicated on the form.

If you are going to travel outside the U.S. before your studies at ASU, you will need to re-enter the U.S. with the ASU SEVIS Form I-20. Present the ASU SEVIS Form I-20 at the U.S. Port of Entry.

If you have any questions, please contact the international student advisor at the school that you are now attending or contact:

Admission Services
1151 S Forest Avenue
Tempe, AZ 85287-0112
Phone: 480-965-2437
Undergrad Email: asuinternational@asu.edu [6]
Graduate Email: GradI20@asu.edu [9]

### Step 05: Review SEVIS Form I-20

It is important to understand your SEVIS document; each page contains important information that you must read. You must ensure that all information is correct (spelling, dates, etc.). If there are any mistakes, please contact the admission office as soon as possible to have the information corrected. You will need the SEVIS Form I-20 or Form DS-2019, your ASU notification of admission, the Financial Guarantee form and your passport in order to obtain your student visa at the U.S. consulate nearest you [10].

**Understanding the SEVIS Form I-20**
The SEVIS Form I-20 is a three-page government document used for students to obtain an F-1 visa.

- Page 1 contains program and biographical information.
    - Your SEVIS Identification Number is on the top right side of the form. You will need this number for your visa application and to pay the SEVIS fee.
    - F-1 students will be permitted to enter the U.S. 30 days prior to their report date, which is No. 5 on their SEVIS Form I-20. Please note that if you enter the U.S. after the report date, you may encounter difficulty with immigration officials at the Port of Entry. By signing the Student Certification No. 11 on the SEVIS Form I-20, you are acknowledging that you have read and understand the terms and conditions of F-1 status.
- Page 2 contains instructions for the school and student. It is important that you read Page 2 of your SEVIS Form I-20, which has important immigration information for maintaining your F-1 status while pursuing your studies as ASU.
- Page 3 contains spaces for future travel authorization. You will not need a signature on this page when you travel to the U.S. using your SEVIS Form I-20 for the first time.

Note: Dependents accompanying the F-1 student in F-2 status must have their own SEVIS Form I-20, issued in the name of the dependent.

**Understanding the SEVIS Form DS-2019**
The SEVIS Form DS-2019 is a two-page government document used for students and scholars to obtain a J-1 visa.

- Page 1 contains program and biographical information.
    - Your SEVIS Identification Number is on the top right side of the form. You will need this number for your visa application and to pay for the SEVIS fee.
    - This page also contains spaces for future travel authorization. You will not need a signature on this page when you travel to the U.S. using your SEVIS Form DS-2019 for the first time.
- Page 2 contains instructions for the school and student. It is important that you read Page 2 of your SEVIS Form DS-2019, which has important immigration information for maintaining your J-1 status while pursuing your studies at ASU.

**Note:** Dependents accompanying the J-1 student in J-2 status must have their own SEVIS Form DS-2019, issued in the name of the dependent.

### Step 06: Process SEVIS Form I-901 and payment

Upon receipt of SEVIS Form I-20 or Form DS-2019, you will have the information needed to pay the SEVIS fee and the SEVIS Form I-901 [11] fee. You must pay the SEVIS fee and have a receipt prior to applying for a student visa.

The SEVIS Form I-901 [12] fee is mandated by the U.S. Congress to support the program office and the automated system that keeps track of students and exchange visitors, and ensures that they maintain their status while in the U.S.

## I-20 and DS-2019 issuance timeline

The U.S. government has strict regulations on the issuance of I-20 and DS-2019 documents to international students who wish to attend an educational institution in the U.S. The dates below are for issuance of an I-20 or DS-2019, the latest date to report to the appropriate international student office, and the final day to be enrolled full time. Any noncompliance with these dates may preclude you from registering for classes. International students not enrolled full time will have their SEVIS record terminated and become subject to detainment and deportation.

### Spring 2024 semester

**Sept. 1, 2023**
First day to issue I-20/DS-2019

**Dec. 8, 2023**
Final day to issue I-20/DS-2019 outside the U.S.

**Dec. 9, 2023 — Jan. 8, 2024**
MANDATORY SEVIS check-in with ISSC

**Jan. 8, 2024**
Final day to issue I-20/DS-2019 for SEVIS transfer students within the U.S.

**Jan. 8, 2024**
First day of classes and deadline to check-in with ISSC

### Summer 2024 semester

**Feb. 1, 2024**
First day to issue I-20/DS-2019

**Apr. 16, 2024**
Final day to issue I-20/DS-2019 outside the U.S.

**May 16, 2024**
Final day to issue I-20/DS-2019 for SEVIS transfer students within the U.S.

**Apr. 16, — May 16, 2024**
MANDATORY SEVIS check-in with ISSC

**May 16, 2024**
First day of classes and deadline to check-in with ISSC

### Fall 2024 semester

**Feb. 1, 2024**
First day to issue I-20/DS-2019

**July 22, 2024**
Final day to issue I-20/DS-2019 outside the U.S.

**July 23 — Aug. 22, 2024**
MANDATORY SEVIS check-in with ISSC

**Aug. 22, 2024**
Final day to issue I-20/DS-2019 for SEVIS transfer students within the U.S.

**Aug. 22, 2024**
First day of classes and deadline to check-in with ISSC

## The student visa application process

### Step 01: Apply for nonimmigrant visa, DS-160

As a visa applicant, you must submit a completed DS-160, Online Nonimmigrant Visa Application [13] for all nonimmigrant visa categories. Read complete details about student visas [14].

**Note:** After you have completed the DS-160, you will need to print and keep the DS-160 barcode page.

### Step 02: Schedule visa interview

To schedule your interview, locate your local U.S. Embassy or Consulate [10]. Each consulate sets its own timeline for accepting and processing [15] student visa applications. If the consulate says apply “at least” 60 days before your program departure, this means no fewer than 60 days. To avoid problems, submit your visa application at the earliest date the consulate will accept it.

### Step 03: Pay visa application fee

Please read information about nonimmigrant visa application fees [16]. Applicants must pay these fees as directed prior to their visa interview, and they must bring the receipt to their interview.

If the visa is issued, please note that a visa issuance reciprocity fee may be applicable based on your country of citizenship. Please refer to the Visa Reciprocity Table [17] to see if this fee applies to you.

### Step 04: Prepare for visa interview

Start gathering the required documents for your student visa application the moment you apply to your program. Read through all information provided online by the U.S. Embassy or Consulate [10] that you will be visiting.

**Gather and prepare the following required documents before your visa interview:**

- Passport valid for at least six months after your proposed date of entry into the U.S.
- Nonimmigrant Visa Application, Form DS-160 confirmation page.
- Application fee payment receipt, if you are required to pay before your interview.
- Photo you will upload while completing the online form DS-160. If the photo upload fails, you must bring a 2x2 inch photograph of yourself.
- SEVIS Form I-20 or Form DS-2019 with your SEVIS record number issued by ASU. You must sign Form I-20.

**Additional documentation may be required**

A consular officer will interview you to determine your qualifications for a student visa, and may request additional documents. You should be prepared to provide evidence like:

- A receipt of your SEVIS Form I-901 fee.
- Transcripts, diplomas, degrees or certificates from schools you attended.
- Standardized test scores required by your U.S. school.
- Your intent to depart the U.S. upon completion of the course of study.
- How you will pay all educational, living and travel costs, including financial evidence showing you, your parents or sponsor have sufficient funds to cover your tuition and living expenses during your study.

Tips on preparing for your interview [18]

In addition to visiting the U.S. State Department link above, here are some **additional tips** on preparing for your interview.

- A consular officer will interview you in English to determine whether you qualify for a student visa. Do not ask them to conduct the interview in another language.
- On average, visa interviews are about 3 minutes in length. Students must be proactive at their visa interview to succeed. Be prepared if they ask you; (1) why you want to study in the U.S, (2) why you chose your major and/or ASU, (3) what are you excited about, and (4) what you plan to do in the future and/or what ties you have to your home country.
- If asked for proof of funding, some officers look favorable upon students who can show more than the required amount on their I-20 as a way to show they can afford their education and time in the U.S.

  If funds from extended family members are submitted, be prepared to answer questions about how close you are to your relatives, if you are planning to pay them back, if they are funding your whole education, how much that person is providing you, etc.

For more information, please visit the Department of State [18] website.

### Step 05: Prepare documents for travel

As you get ready to arrive in Arizona, be sure to prepare your documents for travel. Here are some items you should carry with you. It is advisable to keep a copy in your checked luggage and one with your family at home. Make sure you have these original documents available at all times while traveling to and within the U.S.:

- I-20 or DS-2019
- valid passport
- current visa
- copy of immunization records
- original supporting financial documents
- dependents' I-20 or DS-2019 and passports if your spouse and children will be traveling with you
- international travel coverage documents, if you purchased this coverage.

## Frequently asked questions about student visa

**How do I get a student visa?**
To get a student visa, you must first apply and be admitted to ASU. Once admitted, you must apply for an I-20 through ASU by uploading the required documentation. Once you receive your SEVIS number from the I-20 created by ASU, you'll apply for your student visa through your country's embassy. The visa process includes some paperwork and an in-person interview with an immigration officer at your local embassy. The embassy then creates the student visa with your passport and will indicate the dates you can arrive in the U.S. for your studies.

**What is SEVIS?**
SEVIS stands for Student and Exchange Visitor Information System. You must complete a SEVIS form I-20 to get an F-1 student visa or a SEVIS form DS-2019 to get a J-1 student visa.

**Can I get a job while in the U.S. as a student?**
Yes, you may work as a student, though ASU recommends you work no more than 20 hours per week. Many international students work for ASU, as the university employs more than 10,000 students. You may also work off campus, but if you do, it's important that your employer understands that you are an ASU student and that your education is one of your top priorities.

View more FAQs [19]

**Source URL:** https://admission.asu.edu/apply/international/student-visa

**Links:**
[1] https://my.asu.edu/
[2] https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/wait-times.html
[3] https://admission.asu.edu/sites/default/files/33056_f-2dependentsintous_handout_v8.pdf
[4] https://students.asu.edu/forms/admission
[5] https://admission.asu.edu/apply/international/student-visa#transfer
[6] mailto:ASUinternational@asu.edu
[7] https://students.asu.edu/forms/FinancialGuarantee
[8] https://students.asu.edu/sites/default/files/sevis-transfer-form.pdf
[9] mailto:GradI20@asu.edu
[10] http://www.usembassy.gov/
[11] https://www.fmjfee.com/
[12] https://www.fmjfee.com/index.html
[13] https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/forms/ds-160-online-nonimmigrant-visa-application.html
[14] https://travel.state.gov/content/travel/en/us-visas/study/student-visa.html
[15] https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/wait-times.html
[16] https://travel.state.gov/content/travel/en/us-visas/visa-information-resources/fees/fees-visa-services.html
[17] http://travel.state.gov/content/visas/en/fees/reciprocity-by-country.html
[18] http://travel.state.gov/content/visas/en/immigrate/immigrant-process/interview/prepare.html
[19] https://admission.asu.edu/contact/faqs#international

# Next steps for international students

## Congratulations on your admission to ASU

It is our pleasure to welcome you.

We are excited that you have chosen to pursue your degree at Arizona State University.

This is your guide through the important steps you need to take to enroll in classes and prepare for the beginning of your academic year. Here you will find information about the visa application process, preparing for travel, arriving at ASU, registering for classes and much more.

Be sure to check My ASU [1] regularly and complete any pending items under your Priority Tasks. We look forward to seeing you in Arizona soon.

## International student tips

### Important deadlines

To help you stay on track with the fall 2022 admission and financial aid processes, check out our important deadlines page.

View dates [2]

### Need help?

**We're here for you.**
ASU admission team members can answer your questions and guide you through each step of your enrollment process between now and the time you get started. Connect and get to know yours. We're here for you.

Schedule an appointment [3]

### Travel and arrival

Arizona State University is committed to your safe and seamless transition from your home country to the U.S.

Travel info [4]

## International first-year student next steps

### Activate your ASU ID to check My ASU

After you applied to ASU, you were issued an ASURITE User ID in an email with the subject line "ASU Account Activation." This ID gives you access to ASU's online student services in My ASU [1], where you'll see next steps and to-do items for enrollment. You must activate your ASURITE User ID online [5].

When you activate your ASURITE User ID, you will select to have your ASU email forwarded to a personal account. It's important to check your email often for time-sensitive notifications and next steps about enrollment. You'll have access to your official ASU email when classes begin. You can check which email your ASU email is forwarding to by looking in the profile tab in My ASU.

Don't forget to save your admit letter, which is posted to My ASU, so you have it for travel.

Visit My ASU [1]

### Request your I-20 and apply for your visa

International students who wish to pursue their studies at ASU must obtain an F-1 or J-1 visa. To obtain a visa, students must first receive a SEVIS number and I-20 document from ASU.

ASU guides each student through the process of obtaining their I-20 using the I-20 Tracker in My ASU.

More about I-20 [6]

### Give your parents or family access to your records and account

Through My ASU Parent Guest Access, you can share your academic records with your parent or guardian, and give them access to pay your tuition and bills. Go to My ASU, select the Profile tab at the top and find “Add a Guest” under My ASU Guest Access Permissions.

Go to My ASU [1]

### Pay your enrollment deposit

Pay your enrollment deposit [7] through My ASU [1] to confirm you will attend.

Pay deposit [7]

### Complete the math placement test

All first-year students are required to take the math placement test at least seven calendar days before their Academic Orientation Session. You will see the item “Take Math Placement Test” under Priority Tasks in My AbSU [1], and you will also see this task in ASU’s New Student Orientation Experience step 2, Academic Orientation.

### Submit your measles, mumps and rubella immunization record

All students born after Jan. 1, 1957, are required to meet the following MMR immunization requirement [8] before classes begin. You can upload required documentation in your ASU My Health Portal [9].

The MMR vaccine is available for a fee at any of ASU's Health Services [10] locations.

My Health Portal [9]

### ASU’s New Student Orientation Experience

Through ASU’s New Student Experience, accessed online in My ASU, you will prepare to take classes in the fall by completing essential next steps for enrollment. There are three steps — log in to My ASU [1] to view details. Step 2 is the Academic Orientation Session, where you’ll meet with your academic college and finalize your class schedule. All students must complete the New Student Orientation Experience in order to enroll in classes.

New Student Experience [11]

### Confirm housing and dining options

All ASU first-year students live in the residential college of their academic major. Barrett students live in the Barrett residential community for their first two years. ASU's housing portal for fall 2023 will open in early Jan. 2023.

Once the housing portal opens and you've paid your enrollment deposit, you can select your housing and dining preferences. The priority housing deadline is May 15. We cannot guarantee your housing preference if you apply after the priority deadline. Visit ASU’s housing portal [12].

Select housing [13]

Learn about housing options [14]

### Health insurance

Health insurance is mandatory for all registered international students and a condition of enrollment, and requires that international students have adequate medical and accident insurance coverage. Mandatory student health insurance is automatically charged for all international students.

Insurance info [15]

### Learn about tuition and fees

Tuition charges will be billed to your student account and may be viewed online through My ASU. By registering for classes, you agree to pay all applicable tuition and registration fees. If you decide not to attend, you must completely withdraw from all classes before the semester begins.

If tuition is not paid by the applicable due date, you will automatically be enrolled in the tuition installment plan and charged a nonrefundable enrollment fee.

ASU has partnered with Flywire [16] to offer a streamlined and cost-effective payment method for you to send international payments. Flywire offers favorable exchange rates and a secure portal for processing your payment to ASU. Create a Flywire login to make payments and review your payment activity and history.

Visit the Tuition and Billing [17] website for more information.

Tuition and Billing [17]

### Useful resources for international students

International Student and Scholar Center [18]
Find my admission team member [19]
ASU Prep Digital [20]
ASU Student Success Center [21]
Athletics [22[
Degrees [23]
Financial Aid and Scholarship Services [24]
Fraternity & Sorority Life [25]
Global Education Office [26]
Housing [27]
Pre-health [28]
Pre-law [29]
Scholarship estimator [30]
Student Accessibility and Inclusive Learning Services [31]
Student and Cultural Engagement [32]
Universal Learner Courses [33]

**Source URL:** https://admission.asu.edu/apply/international/admitted/first-year

**Links:**
[1] https://my.asu.edu/
[2] https://yourfuture.asu.edu/importantdeadlines
[3] https://admission.asu.edu/contact/international
[4] https://admission.asu.edu/international/travel
[5] https://weblogin.asu.edu/password/activation
[6] https://admission.asu.edu/international/student-visa
[7] https://admission.asu.edu/first-year/deposit
[8] https://eoss.asu.edu/health/parents/immunization
[9] https://asuportal.pointnclick.com/login_dualauthentication.aspx
[10] https://eoss.asu.edu/health/contact
[11] https://eoss.asu.edu/orientation/new-student
[12] https://asu.starrezhousing.com/StarRezPortalX/EF39AF6A/14/25/Home-Home?UrlToken=0888FD2E
[13] https://housing.asu.edu/
[14] https://admission.asu.edu/campus-life/housing-dining
[15] https://eoss.asu.edu/health/billing-insurance/international-students
[16] https://students.asu.edu/flywire
[17] https://students.asu.edu/tuitionandbilling
[18] https://issc.asu.edu/
[19] https://admission.asu.edu/contact/undergraduate
[20] https://asuprep.asu.edu/
[21] https://success.asu.edu/
[22] https://www.asu.edu/athletics
[23] https://degrees.asu.edu/
[24] https://students.asu.edu/financial-aid
[25] https://eoss.asu.edu/fsl
[26] https://goglobal.asu.edu/
[27] https://housing.asu.edu/
[28] https://prehealth.asu.edu/
[29] https://prelaw.asu.edu/

[30] https://scholarships.asu.edu/estimator
[31] https://eoss.asu.edu/accessibility
[32] https://eoss.asu.edu/student-and-cultural-engagement
[33] https://ea.asu.edu/

# Transcripts

## Requesting official transcripts

Request that your official transcript(s) be sent to Admission Services.

Your official transcripts are certified copies from each high school, college, university or technical school you attended that shows the courses you took, grades you earned, and certificates or degrees you were awarded. Arizona State University requires you to send transcripts from every institution you attended.

Upon graduation or the completion of the semester, request that your school or schools send a final transcript directly to ASU to determine final university admission status. Official transcripts must be sent directly to Admission Services at ASU from the issuing institution's records office either by mail or electronically through a secured transcript service approved by ASU.

- Transcripts may not be faxed.
- Transcripts sent via e-mail may be accepted if sent directly from an authorized school official at the issuing institution to ASU at transcripts@asu.edu [1]. If ASU is unable to verify the sender is from the issuing institution the emailed transcript will not be accepted as official.
- Official transcripts delivered by hand will only be accepted if they are sealed in the original envelope provided by the community college or university and bear the university seal and the signature of the Registrar of the issuing institution.
- *When possible*, please include the student's full name and student number or application number in transcript submissions.
- Any transcripts submitted by students directly via email are considered unofficial and will not satisfy our official transcript priority task requirement.

Emails sent to transcripts@asu.edu [1] or gradtranscripts@asu.edu [2] must not exceed 35MB total. Any attachments must be in one of these approved file types.

Microsoft Word (.doc or .docx)
Microsoft Excel (.xls or .xlsx)
Image (.jpg .jpeg .gif .png
Adobe PDF (.pdf)
Text (.txt)

If the file size is exceeded and/or the document type is not supported the email will be rejected.

## Documents not accepted through the transcripts inboxes

**NOTE:** The transcript inboxes are only for transcripts/mark sheets sent to ASU directly from the sending institution or transcript vendor, English translations of transcripts, degree/graduation certificates and transcript supporting documentation such as school profiles and degree program curriculum sheets. Please do NOT send the following documents to our transcript e-mail addresses (transcripts@asu.edu [1] or gradtranscripts@asu.edu [2]) as they will not be added to the student record.

- English Proficiency scores not sent by testing service itself
- I-20 documents such as bank statements, financial guarantees, passports
- Letters of recommendation
- Resumes

For more information on submitting English Proficiency test scores, I-20 or Letters of Recommendation documents, please see the following webpages:

- **I-20 information:** https://admission.asu.edu/international/student-visa [3]
- **English Proficiency information:**
  - Undergraduate Admission: https://admission.asu.edu/international/undergrad/english-proficiency [4]
  - Graduate Admission: https://admission.asu.edu/international/graduate/english-proficiency [5]

- **Letters of Recommendation information:**
  - Graduate Letters of recommendation: https://admission.asu.edu/graduate/letter-of-recommendation [6]
  - Undergraduate Admission: Not needed unless we specifically ask you for this information
- **Resume information:**
  - Graduate Admission: Should be uploaded at the time of application, if required for the program of application. https://admission.asu.edu/graduate/apply [7]
  - Undergraduate Admission: Not needed as part of the application process.

## We will accept transcripts received from the following secured transcript services*:

- Accellion
- Acclaim / Credly
- Advanced Secure Technologies
- Arizona HSE State Tracking and Report System
- Barracuda
- BridgeU
- Cambridge International
- CDGDC
- CHESSIC
- Cialfo
- CISCO
- Concourse Global
- Credential Solutions
- Digitary
- Docswallet
- Elmira College
- Escript
- eTranscript California
- George Brown College
- Greenlight
- Kiteworks
- LinShare
- LiquidFiles
- MaiaLearning
- MyeQuals
- Nanyang Technological University Singapore
- National Archives at Riverside
- National Student Clearinghouse
- Naviance
- Overgrad
- Parchment
- Proofpoint
- Scoir
- Scribbles Software
- SendThisFile
- Serv-U
- SPEEDE
- Transcripts Plus
- Truecopy
- Unifrog
- Univariety
- University of Edinburgh
- Virtru
- Vitnemalsportalen
- XAP
- ZIX

- For transcripts sent through a secured transcript service, please select Arizona State University from the vendor's dropdown list to ensure the transcript is routed to the correct place. If an email address is requested you can

route to transcripts@asu.edu [1] or for graduate applicants to gradtranscripts@asu.edu [2]. Please note that transcripts sent by students to transcripts@asu.edu [1] or gradtranscripts@asu.edu [2] will not be accepted as official. These addresses are only for transcripts received from secured and approved transcript services.

## International transcript/degree certificate

- If you are required to submit a degree certificate along with your transcripts, a scan may be made of the front and back of your certificate and emailed to transcripts@asu.edu [1] for undergraduate applicants or gradtranscripts@asu.edu [2] for graduate applicants. Please make sure that ASU is in possession of your official, final degree posted transcript prior to submission of your degree certificate. The original certificate does not need to be mailed.
- For more information on country specific comparable degree requirements and transcript/degree certificate information per country, please refer to Comparable requirements section on:
    - International First Year apply webpage [8]
    - International Transfer apply webpage [9]
    - International Graduate apply webpage [10]

** Note: List is subject to change.*

**Important:** If you email a copy of your degree certificate, please only email the degree certificate. Do not include copies of transcripts. Transcripts will not be accepted as official if sent by you and will delay processing of your degree certificate. The transcripts@asu.edu [1] and gradtranscripts@asu.edu [2] email addresses are for receipt of transcripts from vendors and institutions and copies of degree certificates from students. This inbox does not respond to general questions. Questions should be routed to your admission representative [11].

## High school transcripts from the United States

Official transcripts must be sent directly to Admission Services at ASU from the issuing institution's records office either by mail or electronically. Domestic high school transcripts delivered by hand will only be accepted if they are sealed in the original envelope provided by the high school. High school transcripts must show courses, grades, GPA and date of graduation. Sealed official high school transcripts can be sent in the mail or dropped off at the Admission Services customer service counter on the first floor in the Student Services Building [12], window 5, on the Tempe campus.

## Community college or university transcripts from the United States

An official college transcript must be in a sealed envelope sent directly from the issuing institution's records office either by mail or electronically. Transcripts delivered by hand will only be accepted if they are sealed in the original envelope provided by the community college or university.

## International transcripts and exam results

**Graduate applicants:** official, original or authenticated transcripts from every college or university from which you earned a comparable credential to a U.S. bachelor's degree or higher must be sent to ASU in the original language and accompanied by an English translation (if the original document was not issued in English).

**Undergraduate applicants:** official, original or authenticated transcripts and exam results from every secondary or higher-secondary school (grades 9-12) and transcripts from any college or university attended must be sent to ASU in the original language and accompanied by an English translation (if the original document was not issued in English).

Request transcripts from each international educational institution you attended and exam boards from which you have official results. Official transcripts must be mailed or sent directly from the issuing institution's records office electronically, and must include a certified English translation of all documents not issued in English. ASU will accept transcripts sent as email attachments if the email can be verified as coming from an authorized school official at the sending institution.

If your school(s) cannot send them directly to ASU, you may send them yourself, making sure they meet one of the following requirements:

- Original academic credentials issued by the registrar of the institution attended, bearing the original raised or colored seal of the institution and the signature of the institution's registrar, academic official or recognized international organization.
- Photocopies of academic credentials that have been verified as true copies of the original by a responsible official of the institution attended or by an education representative of the country's government or embassy. Each page must bear the verifying official's signature and stamp.

- Photocopies of academic credentials that have been certified by a recognized international educational organization, such as EducationUSA, the U.S. Educational Foundation, AMIDEAST or the Institute for International Education.
- Photocopies of an international high school academic credential that has been verified as official by a recognized US high school.

ASU recommends that you have your international transcripts sent to ASU directly from the issuing institution, utilize a secured transcript service (where available), or obtain an attested copy of the transcript (where possible). Sending your only original copy to ASU should be the last option.

- We recommend students sending documents from abroad use FedEx or DHL in order to obtain a tracking number. If possible, include your ASU student ID number and name written on each page of the transcript(s) you send.
- Any document ASU receives becomes property of ASU and will not be returned to you, unless it is a situation where another copy cannot be obtained.
- Photocopies certified by a notary public are not official and will not be accepted. Scanned copies are also not accepted in lieu of original official academic documents.

## Transcripts can be sent by mail to the following locations:

**Regular Mail**
Admission Services Applicant Processing
Arizona State University
PO Box 871004
Tempe AZ 85287-1004

**FedEx, DHL (any sender who will not send to a P.O. Box)**
Arizona State University
Admission Services Applicant Processing
1150 East University Drive Building C, Room 226
Tempe, AZ 85281

## International transcript translations

Transcripts and degree certificates not issued in English require submission of an English translation in addition to the original language documents. Translations must be literal, complete versions of the originals and must be translated by one of the following:

- Issuing university or college
- Official translation services. Need assistance locating a translation service? Visit American Translators Association [13] to search for a translator for your target language.
- Ministry of Education, consulate or embassy
- Education USA (EdUSA) [14], AMIDEAST [15], U.S. Indian Education Foundation (USIEF) [16]

The translation does not take the place of submitting official academic records in the original language. The translation is in addition to the official academic record. Translations may not be completed by the student. Translations certified by a notary public are not acceptable.

You may not complete your own translation. Please have the translation service mail the official translation to ASU. Translations may also be emailed to transcripts@asu.edu [1] by the translation service.

**Note:** some third party evaluation agencies are also members of American Translators Association and provide both translation and credential evaluation services. If using a third party evaluation agency for translation services, be sure you are requesting a literal translation. A literal translation is an exact translation of the document (including notation of seals, signatures, etc). Credential Evaluation reports will have grade and credit conversions and interpretation of the document and are not literal translations.

### Instructions on requesting original international transcript return (only in cases where another copy is unable to be obtained)

To request a return of your original documents (only in cases where another copy is unable to be obtained) use the eShipGlobal service to have your document(s) express mailed to you through FedEx, DHL, or UPS at your own expense. To do so, visit https://study.eshipglobal.com [17] (do not visit FedEx, DHL, or UPS sites directly). You will be required to

create a user name and password to set up an eShipGlobal account. To request shipment, you will need your ASU ID number, mailing address, e-mail address, phone number, and payment information.

After creating your eShipGlobal account. Follow the steps below to create your shipping label.

1. **Get Started:** Click on the 'get started' link on the home page and select 'receive documents from university'.
2. **Choose University:** Proceed to the university selection and choose Arizona State University-All Locations. You will see two options. One for Intl Students and Scholars Center and one for Admission Services. Be sure to select Admission Services' or your request will not be able to be fulfilled.
3. **Confirm Address:** Next page requests for you to enter your shipping details. There will be a drop down on this page for type of document. Select documents/transcripts.
4. **Select Carrier:** You will see a list of carriers that deliver to your area and the cost for delivery. Select the carrier and option you prefer.
5. **Confirm Payment:** You will see a page requesting your payment information. The payment options for your country will be listed. Options may include one or more of the following: credit/debit, wire transfer or paypal.

If you have questions about how to use this service, review the Help section of the eShipGlobal website or e-mail support@eshipglobal.com [23].

Once you have requested the shipment, please allow up to one month for return of your documents. Admission Services will review your request and if the request can be fulfilled you will receive an email from eShipGlobal to track your return.

If a request for return is not made within 60 days of receipt of your documents, we cannot guarantee that we will still have the documents to return. We regularly purge all physical documents after scanning. Email transcriptreturn@asu.edu [24] with questions.

## Applicants with credentials from India

If you have secondary or postsecondary study from India, you should have your credentials verified through Truecopy and Truecopy will send to ASU electronically through Parchment.

You can begin your order at http://www.electronictranscripts.com/about-us.php#etquery [18]

## Applicants with credentials from China - required documents

### Secondary education（中学在校生或毕业生）

**Junior Secondary (初中生)**

1. Official transcript for grade 9 (初三成绩单) sent directly to ASU from issuing institution

**General Senior Secondary ( 普通高中生)**

1. Official Transcript (高中成绩单) sent directly to ASU from issuing institution
2. Official Verification report ( 认证报告 ) from CHSI* (学信网) for:
    - Secondary School Graduation Certificate (高中毕业证书)
        - You can begin your order at https://www.chsi.com.cn/en/help/howtoapply_p_en.jsp [19]. Your order will be sent electronically to ASU through Parchment.
3. Graduation Certificate (高中毕业证书) (photocopy or scan sent to transcripts@asu.edu)

**Vocational Secondary (中职/中专生)**

1. Official transcript (高中成绩单) sent directly to ASU from issuing institution
2. Graduation Certificate (毕业证书) (photocopy or scan sent to transcripts@asu.edu)

*CHSI: China Higher Education Student Information website is maintained by the Center for Student Services and Development (CSSD), Ministry of Education, P.R. China, CHSI is the only MOE-designed website for qualification verifications.

## Post-secondary (university) programs (大学生或研究生) - complete and incomplete

**Zhuanke (专科) required document**

1. Official verification report
    - CHSI* verification for zhuanke Graduation Certificate (学信网：学历在线验证报告或学历认证报告)
    - CHSI* verification for zhuanke Official Transcript (学信网：成绩验证报告 )

      Your fulfilled order will be sent to ASU electronically through Parchment. Please request an English language version. You can begin your order at https://www.chsi.com.cn/en/help/howtoapply_p_en.jsp [19]
2. Graduation certificate (毕业证书) (photocopy or scan sent to transcripts@asu.edu)
3. Official transcript (成绩单) (photocopy or scan sent to transcripts@asu.edu if you have CHSI* send reports otherwise official sent directly to ASU by issuing institution)

**Benke or higher ( 本科及以上学历 ) required documents**

1. **Official verification report ( 认证报告 )**

   CHSI* verification report for each degree certificate earned (学信网：学位在线验证报告或学位认证报告).

   CHSI* verification for each Official transcript (学信网：成绩验证报告).

   Your fulfilled order will be sent to ASU electronically through Parchment. Please request an English language version. You can begin your order at https://www.chsi.com.cn/en/help/howtoapply_p_en.jsp [19]

   Graduation certificate (毕业证书) (photocopy or scan sent to gradtranscripts@asu.edu [2])

   Degree certificate (学位证书) (photocopy or scan sent to gradtranscripts@asu.edu [2])

   Official transcript (成绩单) (photocopy or scan sent to gradtranscripts@asu.edu if you have CHSI* verification reports sent otherwise official transcripts should be sent directly to ASU by issuing institution)

   *CHSI: China Higher Education Student Information website is maintained by the Center for Student Services and Development (CSSD), Ministry of Education, P.R. China, CHSI is the only MOE-designed website for qualification verifications.

**China Higher Education Student Information (CHSI: 学信网)**

**Center for Student Services and Development, Ministry of Education, P.R. China (CSSD: 学生发展中心)**

- Email: info@chsi.com.cn [20] or kefu@chsi.com.cn [21]
- Website: http://www.chsi.com.cn/en/help/howtoapply_e_p.jsp [19]
- English website: http://www.chsi.com.cn/en/ [22]

**Source URL:** https://admission.asu.edu/apply/transcripts

**Links:**
[1] mailto:transcripts@asu.edu
[2] mailto:gradtranscripts@asu.edu
[3] https://admission.asu.edu/international/student-visa
[4] https://admission.asu.edu/international/undergrad/english-proficiency
[5] https://admission.asu.edu/international/graduate/english-proficiency
[6] https://admission.asu.edu/graduate/letter-of-recommendation
[7] https://admission.asu.edu/graduate/apply
[8] https://admission.asu.edu/international/first-year-apply
[9] https://admission.asu.edu/international/transfer-apply
[10] https://admission.asu.edu/international/graduate-apply
[11] https://admission.asu.edu/contact
[12] https://maps.asu.edu/?id=120&mrkId=63156
[13] https://www.atanet.org/
[14] https://educationusa.state.gov/
[15] https://www.amideast.org/
[16] http://www.usief.org.in/

[17] https://study.eshipglobal.com/
[18] http://www.electronictranscripts.com/about-us.php#etquery
[19] https://www.chsi.com.cn/en/help/howtoapply_p_en.jsp
[20] mailto:info@chsi.com.cn
[21] mailto:kefu@chsi.com.cn
[22] http://www.chsi.com.cn/en/

## Military and veterans at ASU

**Benefits**
Are you ready to enroll for your education benefits? Are you looking for the right forms to fill out? Are you a dependent and not sure what to do next?

Check out these steps [1] for getting your benefits started.

For additional assistance, contact ASU's veteran and military admissions specialist.

Contact us [2]

**Pat Tillman Veterans Center**
ASU's Pat Tillman Veterans Center is one of the reasons ASU is a top university for veteran, military and dependent students. The center's mission is to empower and engage our ASU military and veteran community with their academic and personal success here at ASU and beyond.

Pat Tillman Veterans Center [3]

**Campuses and ASU Online**
ASU options let you choose the best learning environment for you, from a location known for outdoor adventures and one-on-one attention (ASU at Lake Havasu) to highly ranked ASU Online with the same degrees and professors as our on-campus programs to a large traditional campus (Tempe campus) — and everything in between (Downtown Phoenix, Polytechnic and West campuses).

Find your fit [4]

**Not sure if you're ready for higher education?**
Take our "Is College Right For Me?" survey! PTVC has partnered with PreVeteran to create something our community can use to navigate common thoughts experienced when considering school after the military. We hope this tool will help service members successfully transition to student life.

Start survey [5]

## Are you looking for a veteran application to ASU?

We make it easy — there's no separate application for veteran and military applicants. Just submit the application for your student level.

First-year [6]
Transfer [7]
Graduate [8]

Connect with a veteran and military admissions specialist [9] in the Pat Tillman Veterans Center if you have any questions about applying to ASU.

Dear veterans,
Celebrating military veterans and their service to our country: Arizona State University (ASU) [10] video on Youtube.

Arizona State University is proud to celebrate our veteran population on this important day. In recognition of all those who serve, we share a small token of appreciation. On behalf of ASU's Office of Admission Services and the Pat Tillman Veterans Center, thank you for your commitment, your bravery and your service. ASU honors the brave and selfless individuals who serve and have served in the military, their families, and those who serve their communities through public service.

Thank you!

## Why so many veteran and military students choose ASU

ASU and the Pat Tillman Veterans Center [11] welcome you to your next adventure — accomplishing your education and career goals. Student veterans and active duty service members are a valuable part of the ASU community and our academic environment. Whether you're planning to earn your degree online or on campus, you can:

- continue serving as a leader by getting involved
- take advantage of job and career opportunities
- attend virtual or in-person career fairs
- earn your service honor stole to wear at graduation

You've already proven you can succeed in one world-class organization. We believe in you and know you can succeed here as well. ASU's Pat Tillman Veterans Center team is here to help you every step of the way. It's why ASU is consistently included among the best schools for veterans and military students.

## LIA 294: Student Success for Veterans

Have you registered for ASU's veteran-specific introductory course? Designed for the student veteran, LIA 294: Student Success for Veterans provides you with support systems, academic resources and transitional aid. Meet other student veterans and learn about how ASU, the state of Arizona, and the VA can assist you throughout your college experience. There are only 19 seats per class on each campus, so secure your spot today.

> "If you are a veteran in need of an orientation class, then you have no business taking the regular ASU orientation course. Do yourself a favor and take LIA 294; it will put you at a running start for successful and expedient graduation."
>
> Kenny Chiaghana, Marine Corps, philosophy major

## At ASU, you'll join

**7,180**
ASU military and veteran students

**5,970**
in bachelor's degree program

**1,065**
in master's degree programs

**145**
in doctoral programs

**1,233**
spouses and dependents

## Transcripts

**Undergraduate applicants:**
Admission Services
Arizona State University
PO Box 871004
Tempe, AZ 85287-1004

**Graduate applicants:**
Graduate Admission Services
Arizona State University
PO Box 871004
Tempe, AZ 85287-1004

### Military transcripts

ASU accepts the following military transcripts:

- CCAF Transcript [12] (Community College of the Air Force Transcript)
- JST [13] (Joint Services Transcript)

The CCAF is a regionally accredited community college. If you received credit for courses taken through the CCAF while serving in the Air Force, submit this transcript as part of your undergraduate application. The JST will be reviewed for possible transfer credit but is not evaluated for admission. Submit your JST as early as possible for timely evaluation, but it will not delay your admission decision.

More about transferring military credits [14]

ASU is measured not by whom it excludes, but by whom it includes and how they succeed.
- Excerpt from ASU's Charter

## Pat Tillman's life and legacy live on at ASU

Pat Tillman was an ASU student scholar and star football player who graduated in 3½ years and went on to play professionally with the Arizona Cardinals. In 2002, Pat walked away from a $3.6 million contract with the Cardinals to enlist in the U.S. Army. He died while serving in Afghanistan in 2004.

As a scholar, athlete and soldier, Pat Tillman performed at his best. ASU continues to honor Pat with the annual Pat's Run, the Pat Tillman Veterans Center, Tillman Tunnel and in countless other ways. His passion for life and expectations of excellence reverberate through everything we do.

Watch the video [15]

## Frequently asked questions about being a veteran at ASU

**What's it like to be a veteran or military student at ASU?**
There are more than 7,200 veterans and military students on campus and online. You'll receive support from the Pat Tillman Veterans Center, the VA VetSuccess on Campus counselor, and ASU's faculty and staff to succeed in your goals — from applying to ASU, getting your benefits set up, making sure you are using your benefits to your best advantage, and getting connected to events and opportunities for veterans and military students.

**Is ASU a military friendly school?**
ASU is consistently recognized as one of the best schools in the country, both on campus and online, for veterans and the military community. We want veteran and military students and their families to succeed, achieve their goals and move on to the next chapter in their lives, and we're here to help you get there.

Learn more [16].

**What are the steps to getting admitted as a student veteran?**
We understand the admission process can be complicated, so we've created a checklist to help guide you through it. Start your application [6] and refer to this checklist [17] throughout the admission process for helpful tips about applying and succeeding as an active veteran or military student at ASU.

**Are there any degree programs just for veterans or military students?**
ASU does not yet offer exclusive degree programs for veteran or military students. However, we encourage you to take advantage of two courses specifically designed to connect you with other veteran and military students on campus and online, and introduce you to various resources available through the university, the state of Arizona and the Department of Veteran Affairs.

View more FAQs [18]

**Source URL:** https://admission.asu.edu/apply/veterans

**Links:**
[1] https://veterans.asu.edu/benefits/start
[2] https://admission.asu.edu/contact/veterans
[3] https://veterans.asu.edu/

[4] https://yourfuture.asu.edu/content/find-asu-fits-you
[5] https://veterans.asu.edu/preveteran-college-survey
[6] https://admission.asu.edu/apply
[7] https://admission.asu.edu/transfer
[8] https://webapp4.asu.edu/dgsadmissions
[9] https://veterans.asu.edu/about-staff
[10] https://www.youtube.com/watch?v=jWk5kVjYvNE
[11] https://veterans.asu.edu/
[12] http://www.airuniversity.af.mil/Barnes/CCAF/
[13] https://jst.doded.mil/jst/
[14] https://admission.asu.edu/transfer/transferring-credits
[15] https://www.youtube.com/watch?v=dJ61pzXLQ0s
[16] https://asunow.asu.edu/20180411-asu-news-military-friendly-school-ranking-victory-media
[17] https://veterans.asu.edu/veteran-checklist
[18] https://admission.asu.edu/contact/faqs#veterans

# Veteran benefits

## Veteran and dependent checklist

The Pat Tillman Veterans Center is here to assist you in checking off your to-do list prior to attending Arizona State University. Your next steps are provided below to help you prepare for your enrollment, but we acknowledge that each students' experience and requirements differ. If you have any questions as you review these tasks, PTVC is here to help.

**A veteran representative is here to help**
Connect with a PTVC team member to receive additional assistance.

Connect with PTVC [1]

## Steps to ASU enrollment

### Prior to admission

#### Step 01: Apply or update my VA benefits

It takes approximately one to two months for benefits to be approved. Start the process early to ensure a smooth transition to the university.

Start VA benefit forms [2]

**If you need to update the location of your VA benefits**
Please complete the appropriate VA Request for Change of Program or Place of Training form. Submit this form to the VA as indicated in the form directions.

Submit to the Pat Tillman Veterans Center your VA Certificate of Eligibility or most recent letter from the VA that details your remaining benefits. You will receive your COE via mail from the VA or you can obtain a copy through VA/DoD eBenefits [3]. Once received, please submit to the Pat Tillman Veterans Center via the options below:

1. Scan and email the form to PTVCforms@asu.edu.
2. Fax the form to the Pat Tillman Veterans Center at 480-522-3058.
3. Take the form to any Pat Tillman Veterans Center location [4].

#### Step 02: Apply to ASU

Learn how and when to apply to ASU.

Apply to ASU [5]

### After admission to ASU

#### Step 03: Receive academic advising and register for classes

Incoming students are required to meet with an academic advisor to enroll in classes [6].

**Classes to consider**
ASU offers a veteran-specific introductory course to support veterans' transition to academic life. Both first-year and transfer student veterans from any major are welcome to register.

Learn more [7]

### Step 04: Complete ASU's documents for VA benefits processing

Processing times vary. See PTVC/VA Benefits Flowchart [8].

Please send a copy of your VA issued Certificate of Eligibility to ptvcforms@asu.edu for processing.
How to obtain your COE [9].

## PTVC documents

### VA Benefits Responsibility form

You'll fill this form out only once while at ASU. It notifies the Pat Tillman Veterans Center of your intent to use VA education benefits, such as the GI-Bill®, while at ASU. Please note that it contains important information regarding the use of VA benefits throughout your school enrollment. Fill out the form online and submit it directly to the Pat Tillman Veterans Center. You will receive a confirmation email indicating you have completed the form.

VA Benefits Responsibility form [10]

Prior to your first semester at ASU, fill out this form if you intend to use VA education benefits. The form provides important information about your particular benefit program. Your completed form will submit directly to the Pat Tillman Veterans Center, and you'll receive an email confirmation.

### VA enrollment activity form

This form notifies the Pat Tillman Veterans Center of your intent to use (or not use) your VA education benefits for the semester's enrollment. Submit this form each semester after finalizing your schedule. Additionally, you can revise your EAF to tell us about classes you or your college may have added since your original submission. Once completed, the form will submit directly to PTVC, and a confirmation will be sent to your ASU email address.

Enrollment activity form [11]

### Prior Credit Evaluation form

Submit this form following your acceptance to ASU to ensure that all your prior course credit and/or previous experience is evaluated for potential transfer credit. Follow the directions on the form and work with your academic advisor to complete and submit it to the Pat Tillman Veterans Center.

Prior Credit Evaluation form [12]

### Step 05: Register for LIA 294 or another first year success course

LIA 294: Student Success for Veterans is designed for the student veteran, and provides you with support systems, academic resources and transitional aid. Meet other student veterans and learn about how ASU, the state of Arizona, and the VA can assist you throughout your college experience. Speak with your academic advisor to see if this class or another first year success course would benefit you. Find their contact information in MyASU.

My ASU [13]

### Step 06: Register for the Veterans and Dependents Welcome event

The Veterans and Dependents Welcome event is a seminar-style orientation. It is expected that all incoming graduate and undergraduate student veterans and dependents attend the welcome event prior to their first semester at ASU. Hosted by ASU and the Pat Tillman Veterans Center, the Veterans and Dependents Welcome event introduces you to valuable benefits information and procedures that will apply each semester that you use your benefits. Spouses and dependent students do not need to attend this event.

If you are a new student, you will receive notifications by mail and email prior to the event so you can RSVP and plan to attend. Events are scheduled before both fall and spring semesters. Refreshments are provided and space is limited, so we request that you don't bring guests. We look forward to seeing you there.

Register for welcome event [14]

### Step 07: Complete your next steps for enrollment to the university

Select your student status to review your enrollment steps.

First-year [15]
Transfer [16]
Graduate [17]
Online [18]

"GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill.

**Source URL:** https://veterans.asu.edu/veteran-checklist

**Links:**
[1] mailto:ptvc@asu.edu
[2] https://www.va.gov/education/how-to-apply/
[3] https://www.ebenefits.va.gov/ebenefits/homepage
[4] https://veterans.asu.edu/about-staff#locations
[5] https://admission.asu.edu/apply
[6] https://students.asu.edu/register-for-classes
[7] https://veterans.asu.edu/veteran-student-resources#successclasses
[8] https://veterans.asu.edu/sites/default/files/2022-02/38133_PTVCVABenefitsFlowChart_v3.pdf
[9] https://veterans.asu.edu/sites/default/files/2022-02/53331_COE_BenefitsUpdate%20.pdf
[10] https://go.oasis.asu.edu/ptvcbrf/
[11] https://go.oasis.asu.edu/ptvceaf
[12] https://veterans.asu.edu/sites/default/files/Prior%20Credit%20Eval%20%281%29.pdf
[13] https://webapp4.asu.edu/myasu/
[14] https://veterans.asu.edu/welcome-event
[15] https://admission.asu.edu/first-year/admitted
[16] https://admission.asu.edu/transfer/admitted
[17] https://admission.asu.edu/graduate/admitted
[18] mailto:militaryonline@asu.edu
[19] http://www.benefits.va.gov/gibill.

## Admitted veteran student next steps

### Welcome to Arizona State University

You've already learned how to succeed in a world-class organization, and you're moving on to another one: ASU. We're glad you're joining us.

Student veterans and members of the military are a valuable part of the ASU community and our academic environment. We encourage you to continue serving as a leader and stay connected through student clubs and organizations, virtual career fairs, research positions, and other internship and career opportunities, whether you're an online or on-campus student.

### First day of classes

**Enrolling for spring 2024**
Classes begin Jan. 8, 2024

**Enrolling for fall 2023**
Classes begin Aug. 17, 2023

View Academic Calendar [1]

### A veteran admissions representative is here to help

Connect with a veteran admissions representative to receive additional assistance with veteran-specific items.

asuveterans@asu.edu [2] | 480-965-5078

Schedule an appointment [3]

## On-campus student next steps

### Research and request your benefits

If you will be using VA benefits, such as the GI Bill®, this is the time to ensure that you have applied to use those benefits at ASU. If you will be using Tuition Assistance, make sure to reach out to your Education Service Officer to get the necessary paperwork completed.

Get started [4]

### Connect with your academic advisor and register for classes

Schedule an appointment with your academic advisor before registering for your courses. They will help ensure you take courses that fit into your degree plan and keep you on track toward graduation.

Connect to My ASU [5]

### If using VA benefits, complete ASU's documentation for processing.

Necessary forms will populate as tasks on My ASU. Be sure to first complete the VA Benefits Responsibility Form to start the initial benefits process. You can submit other necessary forms to ptvcforms@asu.edu [6]

### Check your residency status

Most veterans and military members are eligible for in-state residency for tuition purposes. You can check our Residency Navigator [7] for more information.

Learn more [8]

### Connect with the Pat Tillman Veterans Center

All ASU students can connect with the PTVC for advocacy support, to find student resources and for any questions you might have regarding your education.

Visit the PTVC site [9]

## Online student next steps

### Research and request your benefits

If you will be using VA benefits, such as the GI Bill®, this is the time to ensure that you have applied to use those benefits at ASU. If you will be using Tuition Assistance, make sure to reach out to your Education Service Officer to get the necessary paperwork completed.

Learn more [4]

### Connect with our ASU Online enrollment team

Reach out to our enrollment team to ensure you take courses that fit into your degree plan and keep you on track toward graduation. If you need help reaching our enrollment team, email us at militaryonline@asu.edu [10].

### If using VA benefits, complete ASU's documentation for processing

Necessary forms will populate as tasks on My ASU. Be sure to first complete the VA Benefits Responsibility Form to start the initial benefits process. View steps for submitting your VA Benefit forms at future.asuonline.asu.edu/military/va-benefits [11].

### Check your residency status

Most veterans and military members are eligible for in-state residency for tuition purposes. You can check our Residency Navigator [7] for more information.

Learn more [12]

### Connect with the Pat Tillman Veterans Center

All ASU students can connect with the PTVC for advocacy support, to find student resources and for any questions you might have regarding your education.

Visit the PTVC site [9]

### Visit the following links for more information on the enrollment process

ASU admission specialists can answer your questions and guide you through each step of the enrollment process between now and the time you get here. Get to know yours. We're here for you.

First-year student [13]
Transfer student [14]
ASU at Lake Havasu student [15]

"GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill [16].

**Source URL:** https://admission.asu.edu/apply/veterans/admitted

**Links:**
[1] https://students.asu.edu/academic-calendar
[2] mailto:asuveterans@asu.edu
[3] http://calendly.com/transfer-and-graduate-recruitment-team
[4] https://veterans.asu.edu/prospective
[5] https://my.asu.edu/
[6] mailto:ptvcforms@asu.edu
[7] https://students.asu.edu/residency
[8] https://veterans.asu.edu/policies
[9] https://veterans.asu.edu/
[10] mailto:militaryonline@asu.edu
[11] https://veterans.asu.edu/veteran-checklist?_ga=2.165098623.1110478819.1666550939-1460286052.1647548899
[12] https://veterans.asu.edu/policies
[13] https://admission.asu.edu/first-year
[14] https://admission.asu.edu/transfer
[15] https://havasu.asu.edu/
[16] http://click.reply.asu.edu/?qs=1c47b324f563f63c6b0522f6947952ecf2e4e999544b90dfa2c5c01e2749d7aa3e8f5e0880d6fba06c7be928081a2fa01c002b162b9625e4

## Barrett, The Honors College

ASU offers 400+ undergraduate degree programs on four campuses and through ASU Online. Enhance your degree with the top ranked honors college experience in the country.

### Barrett admission

Barrett, The Honors College, is a community of students within Arizona State University who enjoy the considerable resources of a premier Research I university combined with the close, personal attention provided by the staff, faculty, and deans of the highest ranked honors college in the nation. Students interested in Barrett must first apply to Arizona State University and then may begin the separate and free Barrett application. Prospective students should apply to ASU at least 4 - 6 weeks before the Barrett deadline to which they are applying. More information about the ASU Barrett application is below.

### How and when to apply to Barrett

**I am a:**
First-year student [1]
Transfer student [2]

Current ASU student [3]
International student [4]
ASU Online student [5]

## Apply to ASU

**If you have not already applied to ASU, here are your university application options:**
ASU application [6]
Common application [7]

## Learn more about ASU

ASU offers a wide variety of learning opportunities, each with their own size and feel.

ASU Admission website [8]

### Want more information?

Request info [9]

**Source URL:** https://barretthonors.asu.edu/admissions

**Links:**
[1] https://barretthonors.asu.edu/node/13
[2] https://barretthonors.asu.edu/node/14
[3] https://barretthonors.asu.edu/node/15
[4] https://barretthonors.asu.edu/node/16
[5] https://barretthonors.asu.edu/node/17
[6] https://webapp4.asu.edu/uga_admissionsapp
[7] https://apply.commonapp.org/login
[8] https://admission.asu.edu/
[9] https://barretthonors.asu.edu/request-info

# Nondegree and visiting student admission

## Nondegree student admission

Some individuals may be interested in studying in a nondegree status, either through pre-college summer programs or for their own personal learning experience. A nondegree student is one who has not attended ASU as a degree-seeking student, has not earned a bachelor's degree, is not attending full time, and is not, at this time, applying to a degree program.

If you are a visiting university student interested in taking classes in the 2022-2023 academic year, see this information on how to apply and enroll in classes [1].

- Once admitted to a degree program, a student is not permitted to register in a nondegree status.
- Nondegree students may enroll in eight credit hours each fall or spring semester, seven credit hours for each six-week summer session, and nine credit hours for the eight-week summer session.
- Nondegree students may apply up to 15 hours taken in nondegree status to a degree program if they choose to pursue an undergraduate degree in the future.
- Nondegree students are not eligible for financial aid.
- Nondegree students may not be eligible for academic advising.

Exceptions to these guidelines may be made for specific programs or partners with approval from the Provost’s office.

## Nondegree admission requirements

To be admitted to ASU as a nondegree student, you must either be a high school graduate or currently enrolled in high school.

If you're currently enrolled in high school or under the age of 18, you may be admitted as a nondegree student by submitting an official high school transcript and a letter of approval from a high school counselor or principal. You must have a 3.00 cumulative GPA in Arizona Board of Regents competency courses to be considered for admission.

Apply now [2]

## Application procedures

1. **Complete an undergraduate admission application.**
2. **Submit the non-refundable application fee.**
   Arizona Residents - $50
   Non-Residents - $80
   ASU Online - $70
   International - $85
3. **If needed, have your transcripts sent directly to ASU.**

ASU will review your application for admission once all materials are on file. To see if your file is complete, sign in to My ASU using your ASURITE UserID provided to you after you submit your application.

### Mailing address (all materials, all campuses)

Admission Services Applicant Processing
Arizona State University
PO Box 871004
Tempe AZ 85287-1004

Undergraduate admission contact information and office locations [3]

## Frequently asked questions about nondegree admission

**Can I apply to ASU as a nondegree-seeking student?**
Yes, ASU accepts nondegree-seeking students. To be admitted as a nondegree-seeking student [4] you must meet certain requirements and follow certain guidelines. See if you qualify for nondegree admission.

**Can I get financial aid as a nondegree-seeking student?**
Nondegree-seeking students are not eligible for financial aid.

**Will I need transcripts to apply as a nondegree-seeking student?**
If you are currently enrolled in high school and under 18 years old, you are required to submit official high school transcripts and a letter of approval from a high school counselor or principal. If you are a high school graduate, you may be admitted as a nondegree-seeking student without submitting transcripts.

View more FAQs [5]

**Source URL:** https://admission.asu.edu/apply/nondegree

**Links:**
[1] https://admission.asu.edu/visiting
[2] https://webapp4.asu.edu/uga_admissionsapp/
[3] https://admission.asu.edu/contact
[4] https://students.asu.edu/admission/nondegree
[5] https://admission.asu.edu/contact/faqs

## Visiting university students

Arizona State University welcomes visiting university students. We know there’s a lot of uncertainty about the future right now. During this challenging time, ASU is proud to provide students enrolled in other colleges and universities with opportunities to stay on track academically and advance toward your goals.

Apply as a visiting student [1]

### If you are a current high school student, earn university credit.

We’re embedding the university experience in high school [2] to give students an accelerated path toward university admission and careers of the future. Our concurrent courses offer the chance to earn both high school and university credit toward a major.

Learn more [3]

### Courses for visiting university students

As a national leader in online and remote learning, ASU's robust catalog of classes is available wherever you are. ASU has the class you need to get back on track or get ahead on progress toward your degree.

#### Humanities courses

Literature, history, film studies, Shakespeare and more offered online (self-paced) or through live, digital classes.

Search humanities courses [4]

#### Science courses

Geography, marine biology, software engineering and more offered online (self-paced) or through live, digital classes.

Search science courses [5]

#### Art and design courses

Architecture, art history, animation, dance and more offered online (self-paced) or through live, digital classes.

Search art and design courses [6]

#### Social science courses

Criminal justice, forensic anthropology, counseling and more offered online (self-paced) or through live, digital classes.

Search social science courses [7]

#### Health courses

Biostatistics, health care management, psychopharmacology and more offered online (self-paced) or through live, digital classes.

Search health courses [8]

#### Business courses

Accounting, data analytics, information systems and more offered online (self-paced) or through live, digital classes.

Search business courses [9]

#### Engineering courses

Aviation, civil engineering, computer science, digital design and more offered online (self-paced) or through live, digital classes.

Search engineering courses [10]

#### Search for courses

Browse the Class Search tool for classes available for Visiting University students, including courses offered in-person and via ASU Sync, as well fully online iCourses and classes offered through ASU Online.

Search courses [11]

## Steps to become a visiting university student at ASU

### Step 01: Find a course [12] you want to take.

Search the entire catalog of ASU classes – find those available to help Visiting University Students catch up, stay on track or accelerate your degree.

### Step 02: Submit your application [13].

Our Visiting University Student application is streamlined, taking only 10—15 minutes to complete. Decisions are made within 24—48 hours.

### Step 03: Get an ASU email and activate your account [14].

Check your email for ASURITE credentials to activate your My ASU portal.

### Step 04: Register [15] for classes and pay your bill [16].

Though financial aid is not available for Visiting University Students, affordable tuition rates have been set to support any students interested in advancing their degree through ASU credits.

We recommend checking the course number and name with your home institution advisor before you register to make sure it transfers back to your home institution.

Tuition for Visiting University Students is set at our ASU Online tuition rates [17] regardless of course modality.

### Step 05: Take the class.

Your admission to ASU with nondegree-seeking status permits you to register for up to eight credit hours per semester. You may apply a maximum of 15 credit hours toward a degree at ASU. Nondegree-seeking students are not eligible for financial aid. For more information, visit this page [18].

### Step 06: Order your ASU transcript [19].

Use this official document to submit to your home institution and apply toward your degree.

## Visiting university student frequently asked questions

**Are all classes taught online?**
All classes are offered remotely. Pardon the ASU jargon and technicalities, but some are offered as our traditional ASU Online courses, some are iCourses and some are taught remotely through ASU Sync.

**What is an ASU Online class?**
ASU Online courses are part of our industry-leading online education platform and most are delivered asynchronously, meaning they do not have specific dates and times that the class meets. These classes are listed in ASU's course search as "ASU Online Classes".

**What is an iCourse?**
iCourses are online classes and may be offered asynchronously or they may be taught in live, digital sessions, or other synchronous methods. If an iCourse has a day and time listed, you will meet remotely during that time. If there is no specific time listed, this means that the class is asynchronous, meaning they do not have specific dates and times that the class meets. These classes are listed in ASU's course search as "In-Person & iCourses".

**What is ASU Sync?**
ASU Sync allows any student to attend a live-taught, on-campus class via Zoom during its regularly scheduled day and time. These classes include a live lecture or class presentation by a faculty member alongside other virtual learners in Zoom and students in the classroom.

**How much does a class cost?**
ASU is committed to providing our high quality instruction at an affordable tuition rate. Tuition for Visiting University Students is set at our ASU Online tuition rates [17] regardless of course modality.

**When do classes start?**
ASU classes begin six times a year. ASU regularly offers classes in the fall, spring and summer terms. Follow this link to review the start dates for upcoming terms: https://students.asu.edu/academic-calendar [20]

**Is there a credit limit that Visiting University Students can take?**
Yes. Visiting University Students can take a maximum of 24 credit hours over the course of the academic year.

**Can students who already have a bachelor degree take undergraduate or graduate-level classes as a Visiting University Student?**
While we do not have a visiting university student application for those with a bachelor degree already completed, students who already have a bachelor's and are looking to enroll in courses at the undergraduate or graduate level are welcome to apply as a Graduate Non-Degree applicant.

**Who is eligible to be a Visiting University Student?**
If you are an undergraduate student in good academic standing at any community college, college or university, you are eligible to take courses for credit with Arizona State University as a Visiting University Student.

**Can master's students take graduate-level classes as a Visiting University Student?**
Yes, students who already have a bachelor's or are looking to enroll in ASU courses at the graduate (Master's) level are welcome to apply as a Graduate Nondegree applicant [21].

**How long does it take to apply and get accepted?**
In response to these unprecedented times, we have worked to make the application process as simple as possible. The application takes 10-15 minutes to complete. You'll have an answer on your application within 48 hours.

**Do all classes transfer back to my home college/university?**
Most of ASU's courses do transfer and count toward your degree at your home institution. However, we strongly encourage you to speak with your advisor at your home institution to ensure that the ASU class(es) you are taking will transfer back to your home institution. Ultimately, it is up to your home school if ASU classes count toward your degree.

**Source URL**: https://admission.asu.edu/visiting

**Links:**
[1] https://webapp4.asu.edu/uga_admissionsapp/?visiting2020
[2] https://asuprepdigital.asu.edu/
[3] https://asuprepdigital.asu.edu/
[4] https://webapp4.asu.edu/catalog/classlist?g=HU&hon=F&promod=F&e=open&page=1
[5] https://webapp4.asu.edu/catalog/classlist?k=science&l=undergrad&hon=F&promod=F&e=open&page=1
[6] https://webapp4.asu.edu/catalog/classlist?college=HI&hon=F&promod=F&e=open&page=1
[7] https://webapp4.asu.edu/catalog/classlist?g=SB&hon=F&promod=F&e=open&page=1
[8] https://webapp4.asu.edu/catalog/classlist?k=health&hon=F&promod=F&e=open&page=1
[9] https://webapp4.asu.edu/catalog/classlist?college=BA&hon=F&promod=F&e=open&page=1
[10] https://webapp4.asu.edu/catalog/classlist?college=ES&l=undergrad&hon=F&promod=F&e=open&page=1
[11] https://webapp4.asu.edu/catalog/
[12] https://webapp4.asu.edu/catalog/
[13] https://webapp4.asu.edu/uga_admissionsapp/?visiting2020
[14] https://weblogin.asu.edu/password/activation
[15] https://students.asu.edu/drop-add
[16] https://students.asu.edu/tuitionandbilling
[17] https://asuonline.asu.edu/what-it-costs/
[18] https://admission.asu.edu/undergrad/nondegree
[19] https://students.asu.edu/transcripts
[20] https://students.asu.edu/academic-calendar
[21] https://admission.asu.edu/graduate/nondegree

## Undergraduate readmission

### Quick re-entry

If you are an undergraduate degree-seeking student who previously attended ASU but who has not been enrolled at ASU for up to seven consecutive fall or spring semesters, you may be eligible to return through Quick Re-entry.* You do not need to submit a new application or application fee. You may sign in to My ASU and register for classes. You may have a hold or Priority Tasks that you need to complete before you are able to register for classes. Your catalog year upon reentry will be determined via current policy.

International students are still responsible for all SEVIS requirements and should check with the International Students and Scholars Office at ASU.

If your absence is due to military deployment, service on an official church mission or with a foreign aid service of the Federal government, or a permanent disability, you should submit a Leave of Absence [1].

Note: You must submit an official transcript(s) from all institutions you attended during your absence from ASU. Official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institutions. Please check our contact page for the mailing address [2]. ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax.

International students (F1/J1 visa) eligible for quick re-entry, should contact ASU's International Students and Scholars Center (ISSC) ISSC@asu.edu to submit documentation for issuance of an I-20 for visa purposes. Visit issc.asu.edu [3].

*If you have completed an ASU bachelor degree program and are seeking to pursue another program or were academically disqualified, you are not eligible for quick re-entry.

## Readmission requirements

If you are not eligible for Quick Re-entry you must apply for readmission and submit applicable fees. An applicant for readmission must have an ASU GPA of 2.00 or higher, depending on the ASU school or college AND must have left on Good Academic Standing. Students who do not meet this GPA and Academic Standing requirement may appeal. In these cases, the completed application for readmission may be subject to a due date that is earlier than the application deadline.

If a readmission appeal is required, please note that the decisions may take 4-6 weeks.

Note: You must submit official transcripts from all institutions you attended during your absence from ASU. Official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institutions. ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. Please go to our contact page for the mailing address [2].

## Priority readmission application deadlines

### Fall semester

The priority readmission application deadline for fall semester is June 1. Readmission applications received after June 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

### Spring semester

The priority readmission application deadline for spring semester is Dec. 1. Readmission applications received after Dec. 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

### Summer sessions

The priority readmission application deadline is May 1.

**What needs to be submitted by the deadline?**
You must submit the application for undergraduate admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.

**I was previously admitted to ASU but did not attend. Am I a readmission student?**
If you have previously been admitted to ASU but did not attend, you will be considered a freshman student or a transfer student.

## Steps to apply for readmission

### Step 01: Complete the undergraduate admission application

ASU only accepts online applications.

Apply now [4]

### Step 02: Submit the nonrefundable application fee

**Arizona residents:** $50
**Nonresidents:** $80
**International:** $85

If you're applying to an ASU Online degree program, a nonrefundable application fee of $70 will be charged regardless of residency classification.

### Step 03: Request that an official transcript be sent directly from your school(s) to Admission Services

Upon completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status. If you do not meet readmission requirements for your selected major, you must submit complete transcripts before an admission decision is made. You need only submit transcripts from institutions other than ASU.

Note: Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes.

Find out more about transferring credits to ASU [5].

## Veterans exception

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception applies only to veterans who fulfill these three criteria:

- are honorably discharged
- have served in the armed forces of the United States for a minimum of two years
- have previously enrolled at a university or community college in Arizona

Military service records must be submitted, including form DD 214.

## Disqualification

If you have been academically disqualified from ASU, you will need to wait for at least one fall or spring semester to pass immediately following your disqualification before applying for readmission. Some ASU colleges or schools may require you to wait for a longer period. Contact the college or school [6] of your desired major for more information.

## Academic renewal

Academic renewal is a university policy administered to recalculate the cumulative ASU GPA of an undergraduate student who fulfills these three criteria.

- is pursuing their first undergraduate degree and has not previously received an academic renewal
- has a cumulative ASU GPA below 2.00 (individual colleges may elect to consider applications for students whose GPA is a 2.00 or higher)
- is readmitted to a degree program after an absence of at least five continuous calendar years (including summer sessions)

Courses (including transfer credits) completed before the five-year absence with a grade of “C” (2.00) or higher are treated in the same manner as if all the credits were transfer credits, up to a maximum of 60 credit hours.

The cumulative GPA is based only on credits earned subsequent to the student's re-entry. Graduation requirements for resident credit hours and GPA must be fulfilled after the academic renewal. Graduation requirements for academic recognition (resident credit hours and GPA) must also be fulfilled after the academic renewal.

Courses completed before and after the academic renewal remain on the transcript and may be considered when students apply for undergraduate professional or graduate programs.

A request for academic renewal follows this procedure:

1. Students interested in academic renewal must fill out the Application for Academic Renewal and submit the form to the Dean's Office in the college of their major.
2. The Application for Academic Renewal may be submitted immediately upon readmission but must be submitted no later than the start of the third semester after readmission.
3. The Dean's Office specifies in advance a minimum of 12 semester hours required for completion.
4. When the approved credits are completed with a cumulative GPA of 2.50 or higher, and no grade lower than "C" (2.00) in each course, the Dean's Office will forward the Application for Academic Renewal to the University Registrar's Office for processing.

Only readmission students working toward their first undergraduate degree are eligible to apply for academic renewal, which may be implemented only once during a student's academic career.

Academic renewal is transferable among colleges.

All students with a cumulative ASU GPA below 2.00 and who have been absent from ASU for five consecutive calendar years or more are eligible to petition for academic renewal. Individual colleges may elect to entertain petitions for academic renewal from students with ASU GPAs above 2.00. College standards committees have final authorization on academic renewal petitions.

## Undergraduate readmission contact information and office locations

**Phone:** 480-965-7788
**Fax:** 480-965-3610
**Location:** Student Services Building [7], room 112, Tempe campus.

## Frequently asked questions about readmission

**Am I eligible for quick re-entry?**
If you're an undergraduate degree-seeking student who has attended ASU before but have not been enrolled for up to seven consecutive fall or spring semesters, you are eligible for quick re-entry. If you haven't been enrolled at ASU for eight or more semesters, you are not eligible for quick re-entry and must apply for readmission.

**How do I know if I have to reapply for admission?**
If you have not been enrolled at ASU for eight or more semesters, you have to apply for readmission and submit all applicable fees. If you have not been enrolled at ASU for one or two fall or spring semesters, you are eligible to return through quick re-entry.

**Are readmission requirements different than when I was first admitted?**
They may be, depending on when you were first admitted. ASU admission requirements change from time to time, so the admission standards you met previously may be different than they are currently.

View more FAQs [8]

**Source URL:** https://admission.asu.edu/apply/first-year/readmission

**Links:**
[1] https://students.asu.edu/leave-absence
[2] https://admission.asu.edu/contact
[3] https://issc.asu.edu/
[4] https://webapp4.asu.edu/uga_admissionsapp/
[5] https://admission.asu.edu/transfer/transferring-credits
[6] https://students.asu.edu/advising
[7] https://maps.asu.edu/?id=120&mrkId=63156
[8] https://admission.asu.edu/contact/faqs

# Western Undergraduate Exchange (WUE)

## Reduced tuition at ASU — it's the neighborly thing to do

The Western Undergraduate Exchange (WUE) is a program coordinated by the Western Interstate Commission for Higher Education. Residents of western states (other than Arizona) may enroll in the ASU WUE program at a tuition rate of 150 percent of Arizona base resident tuition plus all applicable fees for fall and spring terms only. WUE programs are limited to select majors at ASU's Downtown Phoenix, Polytechnic and West campuses. The WUE tuition rate is not available for ASU Online programs.

Explore WUE majors [1]

**Nonresident tuition**
$32,193

**Nonresident WUE tuition**
$19,615

## WUE enrollment and eligibility information

**General eligibility requirements**

- Students must be a permanent resident of Alaska, California, Colorado, Guam, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming or the Commonwealth of the Northern Mariana Islands.
- Students must apply to one of the ASU WUE-eligible majors or programs [1].
- To maintain WUE eligibility, you must follow certain requirements including remaining enrolled in your WUE-eligible major and campus. See all the requirements for maintaining WUE eligibility [2].
- Any currently enrolled ASU student who does not meet initial eligibility requirements as a first-year student or a transfer student, can be re-evaluated after completing 12 credit hours at ASU with a minimum 2.50 ASU cumulative GPA. Students can email WUE@asu.edu [3] to be reviewed once final grades have been posted.

---

**First-year student requirements**

- First-year students must have a high school GPA of 3.00 or higher in competency courses [4] (this is known as the ABOR GPA), or have an SAT of 1180 or ACT of 24 (not including the writing portion of these exams) or higher.
- First-year students are expected to live in an ASU residence hall during their first year. Please see asu.edu/housing [5] for more information.
- WUE first-year students may be eligible for an ASU nonresident merit-based WUE scholarship [6]. ASU will notify qualified admitted first-year students in writing of this award.

---

**Transfer student requirements**

- Transfer students must have an overall GPA of 2.50 or higher on a 4.00 scale in all transferable coursework.
- Transfer students must have less than 120 transferable semester credits.
- Community college transfer students must have a minimum of an associate degree or 60 transferable semester credits (90 quarter credits are needed for students transferring from a community college on the quarter system).
- BAS degree programs are only open to students who have an AAS or equivalent degree
- All final transcripts must be filed two weeks prior to the start of your first semester at ASU in order to be evaluated for WUE.
- No individual review is conducted for transfer students.

---

**Individual review**
Students who don’t meet the above standards will be considered for the WUE program through individual review. Through this process, Admission Services will review all available information about a student’s application, carefully considering all aspects of a student’s academic background and accomplishments. Submission of an ACT or SAT score is highly recommended. In some cases, additional information might be requested.

---

To see total cost of attendance, visit tuition.asu.edu/cost [7].

## More information about WUE

If you have questions about WUE, please contact your ASU admission representative or visit the Western Undergraduate Exchange website [8].

Contact my rep [9]

Current students with questions on maintaining eligibility, should contact University Registrar Services at WUE@asu.edu [3].

**Source URL:** https://admission.asu.edu/cost-aid/wue

**Links:**
[1] https://degrees.apps.asu.edu/bachelors/major-list/keyword/wue
[2] https://admission.asu.edu/cost-aid/wue/maintaining-eligibility
[3] mailto:WUE@asu.edu
[4] https://admission.asu.edu/first-year/competency-requirements
[5] https://housing.asu.edu/
[6] https://scholarships.asu.edu/scholarship/1733
[7] http://tuition.asu.edu/cost
[8] https://www.wiche.edu/wue
[9] https://admission.asu.edu/contact/undergraduate

## Maintaining WUE eligibility

### Requirements for maintaining WUE eligibility

- Western Undergraduate Exchange status is available for new first-time freshmen for up to eight semesters, for new community college transfer students for up to five semesters and for new transfer students from four year institutions for up to 120 credit hours (including all transfer credits).
- Students must maintain continuous enrollment defined as enrollment in both fall and spring semesters. Students must earn a minimum of 24 credits during this time period. Students not continually enrolled will no longer be eligible for WUE tuition status.
- A cumulative institutional GPA of 2.50 or higher is required.
- The following do not satisfy full-time credit-hour requirements for maintaining eligibility; however, they may be used toward your overall credits for degree completion:
    - Summer sessions and consortium agreement courses, repeating a course, a grade of incomplete or auditing a course.
    - Any credits received by examination, including Advanced Placement, CLEP, IB and other tests
- Effective spring 2018, students may take courses in any other WUE program at the Polytechnic, Downtown Phoenix, or West campus, as well as any additional non-WUE courses required for their WUE degree completion, e.g., specific courses on your major map or courses which meet a General Studies or elective requirement. If necessary, class exception requests should be submitted via email directly to wue@asu.edu [1] for consideration.
- Students may take iCourses without requesting a class exception.
- Students may take special courses offered only at Tempe, such as Marching Band, Dance, ROTC, Foreign Language, Internships, Public Service and Community Solutions courses.
- Students in Study Abroad and off-campus internships will maintain their WUE status.
- Concurrent majors: students that are in a WUE major and also in a major that is not WUE at the Tempe campus must take at least 12 hours at the WUE campuses. Any credits over 12 hours may be at Tempe. This policy also applies to minors and certificates.
- Students must maintain enrollment in an ASU declared WUE-eligible major/program. Students who change majors to a non-WUE major/program will be charged out-of-state tuition.
- Students must remain residents of their home state.
- Students cannot apply time accrued while participating in the WUE program to establish Arizona residency.
- Violation of the ABOR Student Code of Conduct [2] may result in loss of a student's WUE eligibility.

**Source URL:** https://admission.asu.edu/cost-aid/wue/maintaining-eligibility

**Links:**
[1] mailto:wue@asu.edu
[2] https://public.azregents.edu/Policy%20Manual/5-308-Student%20Code%20of%20Conduct.pdf

## Contact ASU admission services

### We're here to help

To find your personal admission representative's email and phone number, select undergraduate or graduate below and answer a couple quick questions.

Undergraduate representative [1]
Graduate representative [2]

### Admission services mailing address

**Have your test scores (e.g., ACT, SAT, TOEFL) and official high school or college transcripts sent from the issuing institution to the address below. Any written inquiries should be sent to this address as well.**
Admission Services Applicant Processing
Arizona State University
PO Box 871004
Tempe AZ 85287-1004

**If sending by FedEx, DHL or UPS (Recommended method for international students):**
Arizona State University
Admission Services Applicant Processing
1150 East University Drive Building C, Room 226
Tempe, AZ 85281

### Contact ASU admission services by email or by phone

#### Undergraduate admission (first-year students and transfer students)

**Downtown Phoenix campus**
University Center Building, Suite 130 [3]
Monday — Friday 8 a.m. – 5 p.m.
**Phone number:** 480-965-7788
**Fax:** 480-965-3610
**Email:** First-year students [1] | Transfer [1] | International [1]
**Street address:** 411 N. Central Ave. Phoenix, AZ 85004

**Polytechnic campus**
Administration Building [4]
Monday — Friday 8 a.m. – 5 p.m.
**Phone number:** 480-965-7788
**Fax:** 480-965-3610
**Email:** First-year students [1] | Transfer [1] | International [1]
**Street address:** 5990 S Sterling Mall Mesa, Arizona 85212

**ASU at Lake Havasu**
Santiago Hall [5]
Monday — Friday 8 a.m. – 5 p.m.
**Phone number:** 928-854-9745
**Email:** First-year students [1] | Transfer [1] | International [1]
**Street address:** 100 University Way, Lake Havasu City, AZ 86403

**Tempe campus**
Student Services Building, Amphitheater START Desk [6]
Monday — Friday: 8 a.m. — 5 p.m.
**Phone number:** 480-965-7788
**Fax:** 480-965-3610
**Email:** First-year students [1] | Transfer [1] | International | Graduate [1]
**Street address:** 1151 S. Forest Ave. Tempe, AZ 85281

**West campus**
University Center, Room 120 [7]
Monday — Friday 8 a.m. – 5 p.m.
**Phone number:** 480-965-7788
**Fax:** 480-965-3610
**Email:** First-year students [1] | Transfer [1] | International [1]
**Street address:** 13590 N. 47th Ave. Phoenix, AZ 85306

**ASU Online**
**Phone number:**866-277-6589 8
**Email:** enrollmentonline@asu.edu

## Upcoming events

Learn more about the ASU academic and student experience with these events.

**Sun Devil Day**
High school juniors and seniors are invited to visit ASU's Tempe campus in person to take a tour and learn more about academic programs, steps to admission and financial aid options.

Summer sessions June 30 and July 3.

Learn more [9]

## Follow us @FutureSunDevils

Facebook [10]
Instagram [11]
Snapchat [12]
Twitter [13]

Apply [14]
Visit ASU [15]
Contact info [16]

**Source URL:** https://admission.asu.edu/contact

**Links:**
[1] https://admission.asu.edu/contact/undergraduate
[2] https://admission.asu.edu/contact/graduate
[3] https://www.asu.edu/map/interactive/?campus=downtown&building=UCENT
[4] https://www.asu.edu/map/interactive/?id=120&mrklid=62667
[5] https://www.asu.edu/map/interactive/?id=120&mrklid=62663
[6] https://www.asu.edu/map/interactive/?campus=tempe&building=SSV
[7] https://www.asu.edu/map/interactive/?campus=west&building=UCB
[8] mailto:enrollmentonline@asu.edu
[9] https://visit.asu.edu/sundevilday
[10] https://www.facebook.com/FutureSunDevils/
[11] https://www.instagram.com/FutureSunDevils/
[12] https://www.snapchat.com/add/futuresundevils
[13] https://twitter.com/FutureSunDevils
[14] https://admission.asu.edu/apply
[15] https://visit.asu.edu/
[16] https://admission.asu.edu/contact/request-info

# Arizona General Education Curriculum (AGEC)

The Arizona public community colleges and universities have agreed upon a common structure for a general education core. This curriculum provides students attending any Arizona public community college with the opportunity to build a general education program that is transferable to any other state institution without loss of credit. This common agreement is called the Arizona General Education Curriculum or AGEC.

The AGEC is composed of 35 to 37 credit hours of lower-division general education coursework in which a student may prepare for transfer.

The AGEC has three forms: AGEC-A, AGEC-B and AGEC-S. A detailed description of each AGEC is available at https://www.aztransfer.com/about/agec.html [1].

Community colleges are responsible for certifying the date of completion of the AGEC on the official institutional transcripts.

Completion of the appropriate AGEC will fulfill university lower-division general education requirements of the baccalaureate degree with which the AGEC articulates. Students completing the AGEC will still be required to fulfill lower-division program requirements and prerequisites within their college and major and minor areas of study. To complete a degree program most efficiently, students should select courses that concurrently satisfy AGEC and major requirements. Completion of any AGEC from an Arizona community college guarantees admission to the university provided that a cumulative GPA of 2.50 or higher has been achieved. AGEC completion, however, does not guarantee admission to any specific university program. Many majors (e.g., architecture, engineering, business, the fine and creative arts, and health professions) have significant prerequisites or program requirements that must be completed before a student may be admitted to upper-division coursework. Community college students who are undecided about which of the universities they plan to attend or what program of study they intend to pursue are advised to explore educational options while they complete the AGEC. In all cases, students have the responsibility for selecting general education coursework that is relevant to the requirements of their intended major and degree.

Students who complete both the AGEC and an approved associate degree will be assigned junior class standing by the state universities. Junior class standing is based on the number of credit hours a student has earned and does not necessarily indicate the remaining number of credit hours needed to complete degree requirements. Course prerequisites, major requirements and upper-division requirements continue to be specified by each university. Appropriate sequencing of courses and timely completion of course prerequisites are essential to ensure efficient progress toward a baccalaureate degree. Students who have identified the university they plan to attend or a major area of study are advised to fulfill requirements and prerequisites identified by these programs through ASU's MyPath2ASU® [2]. The AGEC does not replace articulation agreements developed to enhance the transfer process between specific institutions, nor does the AGEC eliminate the possibility that students who have identified the university they plan to attend and a major area of study will follow transfer guides provided by the state universities.

**Source URL:** https://catalog.asu.edu/agec

**Links:**
[1] https://www.aztransfer.com/about/agec.html
[2] https://admission.asu.edu/transfer/pathway-programs

# Course load and concurrent enrollment

## Course load

A minimum full-time course load for an undergraduate student is 12 credit hours.
The maximum course load for which a student may register in a fall or spring semester across all three sessions (A, B and C) is 18 credit hours, with a maximum of nine credit hours in each A or B session. The limit is 19 credit hours for students enrolled in the Ira A. Fulton Schools of Engineering. A student wishing to register for more than the maximum must petition the standards committee of the college in which the student is enrolled and must obtain an approved overload before registration.

### Summer session credit hour load

The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed 14 credit hours for any combination of sessions.

## Graduate credits earned by undergraduate students

ASU undergraduate students who have achieved senior status (they cannot be postbaccalaureate) with a cumulative GPA of 3.00 or higher may count up to 12 credit hours of graduate-level coursework toward their graduate degree at ASU (preadmission credit hours). Only graduate courses with a grade of "B" (3.00) or higher may be included on a graduate plan of study. Preadmission graduate courses cannot be used to meet any baccalaureate graduation requirements. Before registering for these courses, students are advised to check with their academic advisor to ensure the correct internal academic unit or college process is followed. Permission to take a preadmission graduate course does not guarantee admission to a graduate degree program or that the course may be used toward graduate degree requirements.

### Use of graduate course credit by undergraduates

Graduate course credit earned by an undergraduate student that is used to fulfill requirements for an undergraduate degree program cannot also be used in a graduate degree program unless the student is enrolled in an approved accelerated master's degree program. Students must contact their advisor before enrolling in a graduate course they wish to use toward a future graduate program at ASU.

## Concurrent enrollment

Provided that the other institution's regulations concerning enrollment, graduation requirements and transfer of credits are not violated, a student may enroll in classes at other institutions or in independent learning courses while enrolled at ASU. However, the student is urged to seek advising before concurrent enrollment to assure orderly progress toward a degree. If the total credit hours exceed the maximum course load, prior permission must be granted by the college standards committee.

## Enrollment verification guidelines

The registrar is responsible for verifying enrollment, according to general guidelines; students should review the enrollment verification [1] page.

**Source URL:** https://catalog.asu.edu/course_load

**Links:**
[1] https://students.asu.edu/enrollment-verification

# Credit by examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Some exams may be taken prior to admission to ASU. Information is provided below for each type of exam, the courses that are equivalent and other conditions that may apply to credit being awarded.

- A student may earn no more than 60 hours of credit by examination for any or all programs, including ASU comprehensive and proficiency exams.
- Credit will not be awarded for any course in which the student has been given credit from any educational institution.
- Credit will not be granted for a course taken at an educational institution after credit by examination has been awarded.
  Exception: Students who take the advanced placement exams may choose either to have the credit earned by advanced placement kept in their cumulative university hours or to complete the ASU course and have the credit and grade instead, regardless in which order the test or course is taken. Students should see the advanced placement section, below, for additional details on the exam and its equivalent scores.
- Credit may not be received for a lower-level or prerequisite course when credit has already been received in a higher-level course within the same field.
- Only credit earned by comprehensive examination will count toward the resident credit requirement for graduation.
- Credit by exam is awarded based on the date the exam was taken. Students who take the exam during the current catalog year (August 2023–July 2024) will earn credit based on the credit equivalency found in the current catalog. **If the test was taken in a prior academic year, the student should refer to the catalog of that year or search the Transfer Guide [1] for more information.**

## Types of examinations

College-level Examination Program (CLEP) [2] can be taken before or during enrollment at ASU.
Advanced Placement (AP) [3] is taken during secondary school or before enrollment at ASU.
DANTES or DSST (Defense Activity for Nontraditional Education Support Subject Standardized Test) [4] is taken by military or approved government personnel before or during enrollment at ASU.
International Baccalaureate (IB) exam [5] credit is earned by students of an International Baccalaureate®-approved school before enrollment at ASU.
Cambridge International Exam [6] is taken by students who have completed a Cambridge course in their secondary school.

Comprehensive examinations [7] can be taken by current ASU students.
Proficiency examinations [8] can be taken by current ASU students.

For information about placement testing for mathematics and English classes prior to orientation, students should refer to the placement and testing requirements [9] in the ASU Catalog.

## College-Level Examination Program (CLEP)

Students who have taken a College-Level Examination of the College Entrance Examination Board may receive university credit. The table of CLEP credit applies to all students enrolled in the university for the first time in August 1975 and any student enrolling thereafter. CLEP examination credit is not given where it duplicates credit previously earned by the student at the university or accepted by the university for work done elsewhere. All examinations are given monthly by University Testing and Scanning Services [10].

The General Studies requirements in natural science (SQ and SG) and literacy and critical inquiry (L) are not satisfied by CLEP. There is no limit to the number of CLEP credits that can be used to fulfill the other parts of the General Studies requirement. A student who has received ASU credit for a course due to special programs credit may not duplicate the credit by enrolling in the same class for credit at ASU or transferring it to another institution.

### Subject examinations

To obtain credit or placement for all subject exams except English, History, French, German, and Spanish, a student must receive a score of 50 (computer-based testing [CBT] scale) or higher. To obtain credit for College Composition, a student must receive a standard score of 610 (1978 scale), 500 (1986 scale), or 50 (CBT scale). Test scores for French, German, History and Spanish are shown below in the CLEP credit table.

All equivalency is subject to future review and possible catalog change. Students should refer to the Transfer Credit Guide for equivalencies of exams taken outside of the current catalog year. For more information on registering for CLEP testing, students should contact University Testing and Scanning Services [10] at 480-965-7146 or visit the office at 1130 E. University Dr., Suite 204, Tempe, Ariz.

*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. Students should see their advisor to determine how these courses may apply to their major.

### CLEP credit

| Examination | Credit hours | Equivalency |
|---|---|---|
| American Government | 3 | POS 110 |
| American Literature | 3 | ENG DEC* (Students must score 55 or higher.) |
| Analyzing and Interpreting Literature | 3 | ENG DEC* |
| Biology | 3 | BIO DEC* |
| Calculus | 3<br>4 | MAT 265<br>MAT 270 |
| Chemistry | 4 | CHM 113 |

| | | |
|---|---|---|
| College Algebra | 3 | MAT 117 |
| College Composition | 3 | Placement into ENG 105 and Elective credit (3)<br>Transfer students who have credit for ENG 102 and who completed the exam (with a score of 50 or higher) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam. |
| College Composition Modular | 0 | No credit |
| College Mathematics | 0 | No credit |
| English Literature | 3 | ENG DEC* (Students must score 55 or higher.) |
| Financial Accounting | 3 | Elective credit |
| French Language: Levels 1 and 2 | 4<br>8<br>12<br>16 | FRE 101 (Students must score 50–54.)<br>FRE 101, 102 (Students must score 55–61.)<br>FRE 101, 102, 201 (Students must score 62–65.)<br>FRE 101, 102, 201, 202 (Students must score 66 or higher.) |
| German Language: Levels 1 and 2 | 4<br>8<br>12<br>16 | GER 101 (Students must score 39–45.)<br>GER 101, 102 (Students must score 46–50.)<br>GER 101, 102, 201 (Students must score 51–59.)<br>GER 101, 102, 201, 202 (Students must score 60 or higher.) |
| History of the United States I: Early Colonization to 1877 | 3 | HST 109 (Students must score 56 or higher.) |
| History of the United States II: 1865 to the Present | 3 | HST 110 (Students must score 56 or higher.) |
| Human Growth and Development | 3 | CDE 232 |
| Humanities | 3 | Elective credit |
| Information Systems | 3 | CIS DEC* |
| Introduction to Educational Psychology | 0 | No credit |
| Introductory Business Law | 3 | LAW 210 |

| | | |
|---|---|---|
| Introductory Psychology | 3 | PGS 101 or PSY 101 |
| Introductory Sociology | 3 | SOC 101 |
| Natural Sciences | 3<br>6 | Elective credit (Students must score 53-55.)<br>Elective credit (Students must score 56 or higher.) |
| Precalculus (replaces College Algebra/Trigonometry) | 3 | MAT 170 |
| Principles of Macroeconomics | 3 | ECN 211 |
| Principles of Management | 0 | No credit |
| Principles of Marketing | 0 | No credit |
| Principles of Microeconomics | 3 | ECN 212 |
| Social Sciences and History | 6 | Elective credit (Students must score 56 or higher.) |
| Spanish Language: Levels 1 and 2 | 4<br>8<br>12<br>16 | SPA 101 (Students must score 50-54.)<br>SPA 101, 102 (Students must score 55-65.)<br>SPA 101, 102, 201 (Students must score 66-67.)<br>SPA 101, 102, 201, 202 (Students must score 68 or higher.) |
| Spanish with Writing: Levels 1 and 2 | 8<br>16 | SPA 101, 102 (Students must score 50–59.)<br>SPA 101, 102, 201, 202 (Students must score 60 or higher.) |
| Western Civilization I: Ancient Near East to 1648 | 3 | HST 102 (Students must score 56 or higher.) |
| Western Civilization II: 1648 to the Present | 3 | HST 104 (Students must score 56 or higher.) |

## Advanced Placement

Students who have taken an advanced placement course of the College Entrance Examination Board in their secondary school and who have taken an AP examination of the CEEB may receive university credit. No credit is given for any examination with a score of two or one. There is no limit to the number of AP credits that can be used to meet the General Studies requirement, including the requirements in natural sciences (SQ and SG) and literacy and critical inquiry (L).

When the scores are received by the university directly from the CEEB, credit is awarded as shown in the Advanced Placement Credit table below.

## Advanced Placement credit

| Examination | Score | Credit hours | Equivalency |
|---|---|---|---|
| 2-D Art and Design | 5 or 4 | 3 | ART 112 |
| 3-D Art and Design | 5 or 4 | 3 | ART 115 |
| Art History | 5 or 4<br>3 | 6<br>3 | ARS 101, 102<br>ARS 101 or 102 |
| Biology | 5 or 4<br>3 | 8<br>4 | BIO 181, 182<br>BIO 100 |
| Calculus AB | 5, 4 or 3 | 4 | MAT 270 |
| Calculus AB subscore* | 3 | 4 | MAT 270 |
| Calculus BC | 5 or 4<br>3 | 8<br>4 | MAT 270, MAT 271<br>MAT 270 |
| *Students who take the Calculus BC exam and received a score of 1 or 2 will receive credit for MAT 270 if the AB subscore is 3 or higher | | | |
| Capstone Research | 5, 4 or 3 | 3 | Elective |
| Capstone Seminar | 5, 4 or 3 | 3 | Elective |
| Chemistry | 5<br>4 | 8<br>4 | CHM 113, 116<br>CHM 113 |
| Chinese Language and Culture | 5<br>4<br>3 | 20<br>15<br>10 | CHI 101, 102, 201, 202<br>CHI 101, 102, 201<br>CHI 101, 102 |
| Comparative Government and Politics | 5 or 4 | 3 | POS 150 |

| | | | |
|---|---|---|---|
| Computer Science A | 5 or 4 | 3 | CSE 110 or ACO 101 |
| Computer Science Principles | 5, 4 or 3 | 3 | IFT 101 |
| Drawing | 5 or 4 | 3 | ART 111 |
| English Language and Composition | 5 or 4 | 3 | Placement into ENG 105 and Elective credit (3)<br>Transfer students who have credit for ENG 102 and who completed the exam (with a score of 4 or 5) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam. |
| English Literature and Composition | 5 or 4 | 3 | Placement into ENG 105 and Elective credit (3)<br>Transfer students who have credit for ENG 102 and who completed the exam (with a score of 4 or 5) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam. |
| Environmental Science | 5 or 4 | 3 | SOS 110 |
| European History | 5 or 4 | 6 | HST 103 and 104 |
| French Language and Culture | 5<br>4<br>3 | 14<br>11<br>8 | FRE 201, 202, 311, 312<br>FRE 201, 202, 311<br>FRE 201, 202 |
| German Language and Culture | 5<br>4<br>3 | 14<br>11<br>8 | GER 201, 202, 311, 312<br>GER 201, 202, 311<br>GER 201, 202 |
| Human Geography | 5 or 4 | 3 | GCU 102 |
| Italian Language and Culture | 5<br>4<br>3 | 16<br>12<br>8 | ITA 101, 102, 201, 202<br>ITA 101, 102, 201<br>ITA 101, 102 |
| Japanese Language and Culture | 5<br>4<br>3 | 20<br>15<br>10 | JPN 101, 102, 201, 202<br>JPN 101, 102, 201<br>JPN 101, 102 |

| | | | |
|---|---|---|---|
| Latin | 5<br>4<br>3 | 16<br>12<br>8 | LAT 101, 102, 201, 202<br>LAT 101, 102, 201<br>LAT 101, 102 |
| Macroeconomics | 5 or 4 | 3 | ECN 211 |
| Microeconomics | 5 or 4 | 3 | ECN 212 |
| Music Theory | 5 or 4 | 3 | MTC 125 |
| Physics 1: Algebra-Based | 5 or 4 | 4 | PHY 111, 113 |
| Physics 2: Algebra-Based | 5 or 4 | 4 | PHY 112, 114 |
| Physics C: Mechanics | 5, 4 or 3 | 4 | PHY 111, 113 |
| Physics C: Electricity and Magnetism | 5, 4 or 3 | 4 | PHY 112, 114 |
| Psychology | 5 or 4 | 3 | PGS 101 or PSY 101 |
| Spanish Language and Culture | 5<br>4<br>3 | 14<br>11<br>8 | SPA 201, 202, 294 and 313<br>SPA 201, 202 and 294<br>SPA 201, 202 |
| Spanish Literature and Culture | 5<br>4<br>3 | 12<br>11<br>8 | SPA 201, 202, 313 and 394<br>SPA 201, 202 and 313<br>SPA 201, 202 |
| Statistics | 5, 4 or 3 | 3 | STP 226 |
| United States Government and Politics | 5 or 4 | 3 | POS 110 |
| United States History | 5 or 4 | 6 | HST 109 and 110 |
| World History: Modern | 5 or 4 | 3 | HST 101 |

## DANTES/DSST

Students who have taken a DSST (DANTES [Defense Activity for Nontraditional Education Support] Subject Standardized Test) may receive university credit. Credit is awarded for score results at or above the American Council on Education's recommended score if the subject examination is applicable to a program of study at ASU, or credit may be assigned as elective. To receive credit, a transcript showing the DSST results must be received by ASU directly from the Educational Testing Service.

*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. Students should see their advisor to determine how these courses may apply to their major.

Students should refer to the Transfer Credit Guide for equivalencies of exams taken outside of the current catalog year. To register for the exam or for more information about exam fees, students should contact University Testing and Scanning Services [11] at 480-965-7146 or visit the office at 1130 E. University Dr., Suite 204, Tempe, Ariz.

### Dantes/DSST credit

| DSST exam | ASU credit | Score | Credit hours |
|---|---|---|---|
| A History of the Vietnam War | Elective credit | 400 | 3 |
| Art of the Western World | ARS 101 or 102 | 400 | 3 |
| Astronomy | No credit | | |
| Business Ethics and Society | Elective credit | 400 | 3 |
| Business Mathematics | No credit | | |
| Computing and Information Technology | No credit | | |
| Criminal Justice | CRJ 100 | 400 | 3 |
| Environmental Science | Elective credit | 400 | 3 |
| Ethics in America | No credit | | |
| Ethics in Technology | Elective credit | 400 | 3 |
| Foundations of Education | TEL DEC* | 400 | 3 |
| Fundamentals of College Algebra | No credit | | |
| Fundamentals of Counseling | Elective credit | 400 | 3 |

| | | | |
|---|---|---|---|
| Fundamentals of Cybersecurity | Elective credit | 400 | 3 |
| General Anthropology | No credit | | |
| Health and Human Development (formerly Here's to Your Health) | No credit | | |
| History of the Soviet Union | HST DEC* | 400 | 3 |
| Human Resource Management | No credit | | |
| Introduction to Business | Elective credit | 400 | 3 |
| Introduction to Geography (formerly Human/Cultural Geography) | GCU 102 | 400 | 3 |
| Introduction to Geology | GLG 101 | 400 | 3 |
| Introduction to Law Enforcement | CRJ DEC* | 400 | 3 |
| Introduction to World Religions | No credit | | |
| Lifespan Developmental Psychology | Elective credit | 400 | 3 |
| Management Information Systems | Elective credit | 400 | 3 |
| Math for Liberal Arts | MAT 142 | 400 | 3 |
| Money and Banking | No credit | | |
| Organizational Behavior | Elective credit | 400 | 3 |
| Personal Finance | Elective credit | 400 | 3 |
| Physical Geology | No credit | | |
| Principles of Advanced English Composition | No credit | | |
| Principles of Finance | Elective credit | 400 | 3 |
| Principles of Public Speaking | Elective credit | 400 | 3 |

| | | | |
|---|---|---|---|
| Principles of Statistics | STP 226 | 400 | 3 |
| Principles of Supervision | Elective credit | 400 | 3 |
| Substance Abuse | No credit | | |
| Technical Writing | ENG DEC* | 400 | 3 |
| The Civil War and Reconstruction | HST DEC* | 400 | 3 |

## International Baccalaureate (IB) exam

Students who present an International Baccalaureate exam may qualify for university credit, depending on the level of the examination and the grade received. Arizona State University grants credit for higher-level courses and some standard-level courses. A high-level grade of five qualifies the student to receive credit for up to two introductory courses while a grade of four qualifies a student to receive credit for one introductory course. No credit is awarded for English as a second language (English B). Credit is awarded according to the International Baccalaureate credit table below.

*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. Students should see their advisor to determine how these courses may apply to their major.

### International Baccalaureate exam credit

| Examination** | Score | Credit hours | Equivalency |
|---|---|---|---|
| Art/Design High-Level | any | 0 | No credit |
| Biology Standard-Level | 7, 6 or 5 | 4 | BIO 100 |
| | 4 | 3 | BIO DEC* |
| Biology High-Level | 7, 6 or 5 | 8 | BIO 181, 182 |
| | 4 | 4 | BIO 100 |
| Business management Standard-Level | 7, 6, 5 or 4 | 3 | Elective |
| Business management High-Level | 7, 6 or 5 | 3 | Elective |
| | 4 | 0 | No credit |
| Chemistry Standard-Level | any | 0 | No credit |
| Chemistry High-Level | 7, 6 or 5 | 8 | CHM 113, 116 |
| | 4 | 4 | CHM 113 |

| | | | |
|---|---|---|---|
| Chinese B Standard-Level | any | 0 | No credit |
| Chinese B High-Level | 7 | 20 | CHI 101, 102, 201 and 202 |
| | 6 | 15 | CHI 101, 102 and 201 |
| | 5 | 10 | CHI 101 and 102 |
| | 4 | 5 | CHI 101 |
| Classical Languages (Latin) Standard-Level | any | 0 | No credit |
| Classical Languages (Latin) High-Level | 7 | 16 | LAT 101, 102, 201 and 202 |
| | 6 | 12 | LAT 101, 102 and 201 |
| | 5 | 8 | LAT 101 and 102 |
| | 4 | 4 | LAT 101 |
| Computer Science Standard-Level | 7, 6, 5 or 4 | 3 | Elective |
| Computer Science High-Level | 7, 6 or 5 | 3 | ACO 101 or CSE 110 |
| Dance Standard-Level | 7, 6, 5 or 4 | 3 | DCE 201 |
| Dance High-Level | 7, 6, 5 or 4 | 3 | DCE 201 |
| Design Technology Standard-Level | 7, 6, 5 or 4 | 3 | Elective |
| Design Technology High-Level | 7, 6, 5 or 4 | 3 | Elective |
| Economics Standard-Level | any | 0 | No credit |
| Economics High-Level | 7, 6 or 5 | 6 | ECN 211, 212 |
| Language A: Language and Literature Standard-Level | any | 0 | No credit |
| Language A: Language and Literature High-Level | 7, 6 or 5 | 3 | ENG 101 or Elective |
| Language A: Literature Standard-Level | any | 0 | No credit |
| Language A: Literature High-Level | 7, 6 or 5 | 3 | ENG 101 or Elective |
| Environmental Systems and Societies Standard-Level | 7, 6 or 5 | 3 | SOS 110 |
| Extended Essay | any | 0 | No credit |

| | | | |
|---|---|---|---|
| Film Standard-Level<br><br>Film High-Level | 7, 6, 5 or 4<br><br>7, 6, 5 or 4 | 3<br><br>3 | FMS 100<br><br>FMS 110 or 201 |
| French B Standard-Level<br>French B High-Level | any<br>7<br>6<br>5<br>4 | 0<br>16<br>12<br>8<br>4 | No credit<br>FRE 101, 102, 201 and 202<br>FRE 101, 102 and 201<br>FRE 101 and 102<br>FRE 101 |
| Further Mathematics High-Level | 7, 6 or 5 | 4 | MAT DEC* |
| Geography Standard-Level<br><br>Geography High-Level | 7, 6, 5 or 4<br><br>7, 6 or 5 | 3<br><br>3 | GCU DEC*<br><br>GCU 102 |
| German B Standard-Level<br>German B High-Level | any<br>7<br>6<br>5<br>4 | 0<br>16<br>12<br>8<br>4 | No credit<br>GER 101, 102, 201 and 202<br>GER 101, 102 and 201<br>GER 101 and 102<br>GER 101 |
| Global Politics Standard-Level<br>Global Politics High-Level | any<br>7, 6, 5 or 4 | 0<br>3 | No credit<br>POS 160 |
| History Standard-Level | 7, 6 or 5 | 3 | HST DEC* |
| History Africa and the Middle East High-Level | 7, 6 or 5<br>4 | 6<br>0 | Elective<br>No credit |
| History Americas High-Level | 7, 6 or 5<br>4 | 6<br>3 | HST 109 and 110<br>HST 109 |
| History Asia and Oceania High-Level | 7, 6 or 5<br>4 | 6<br>3 | HST 107 and 240<br>HST 107 |

| | | | |
|---|---|---|---|
| History Europe High-Level | 7, 6 or 5<br>4 | 6<br>3 | HST 103 and 104<br>HST 103 |
| Information Technology in a Global Society Standard-Level<br><br>Information Technology in a Global Society High-Level | 7, 6 or 5<br>4<br>7, 6 or 5 | 3<br>0<br>3 | Elective<br>No credit<br>Elective |
| Japanese B Standard-Level<br>Japanese B High-Level | any<br>7<br>6<br>5<br>4 | 0<br>20<br>15<br>10<br>5 | No credit<br>JPN 101, 102, 201 and 202<br>JPN 101, 102 and 201<br>JPN 101 and 102<br>JPN 101 |
| Language ab Initio Standard Level | any | 0 | No credit |
| Language A: Language and Literature Standard-Level<br>Language A: Language and Literature High-Level | any<br>7, 6 or 5 | 0<br>3 | No credit<br>ENG 101 or Elective |
| Language A: Literature Standard-Level<br>Language A: Literature High-Level | any<br>7, 6 or 5 | 0<br>3 | No credit<br>ENG 101 or Elective |
| Literature and Performance Standard-Level | any | 0 | No credit |
| Mathematical Studies Standard-Level | any | 0 | No credit |
| Mathematics: Applications & Interpretations Standard-Level<br><br>Mathematics: Applications & Interpretations High-Level | 7, 6 or 5<br>4<br>7, 6 or 5<br>4 | 3<br>0<br>3<br>0 | MAT DEC*<br>No credit<br>MAT 142<br>No credit |
| Mathematics: Analysis & Approaches Standard-Level<br><br>Mathematics: Analysis & Approaches High-Level | 7, 6 or 5<br>4<br>7, 6 or 5<br>4 | 3<br>0<br>4<br>0 | MAT DEC*<br>No credit<br>MAT 270<br>No credit |

| | | | |
|---|---|---|---|
| Modern Languages: Chinese B High-Level | 7<br>6<br>5<br>4 | 20<br>15<br>10<br>5 | CHI 101, 102, 201 and 202<br>CHI 101, 102 and 201<br>CHI 101 and 102<br>CHI 101 |
| Modern Languages: French B High-Level | 7<br>6<br>5<br>4 | 16<br>12<br>8<br>4 | FRE 101, 102, 201 and 202<br>FRE 101, 102 and 201<br>FRE 101 and 102<br>FRE 101 |
| Modern Languages: German B High-Level | 7<br>6<br>5<br>4 | 16<br>12<br>8<br>4 | GER 101, 102, 201 and 202<br>GER 101, 102 and 201<br>GER 101 and 102<br>GER 101 |
| Modern Languages: Japanese B High-Level | 7<br>6<br>5<br>4 | 20<br>15<br>10<br>5 | JPN 101, 102, 201 and 202<br>JPN 101, 102 and 201<br>JPN 101 and 102<br>JPN 101 |
| Modern Languages: Spanish B High-Level | 7<br>6<br>5<br>4 | 16<br>12<br>8<br>4 | SPA 101, 102, 201 and 202<br>SPA 101, 102 and 201<br>SPA 101 and 102<br>SPA 101 |
| Music High-Level | 7, 6 or 5<br>4 | 4<br>0 | MUS DEC*<br>No credit |
| Philosophy Standard-Level<br>Philosophy High-Level | 7, 6, 5 or 4<br>5 or 4 | 0<br>0 | No credit<br>No credit |
| Physics Standard-Level<br>Physics High-Level | 7 or 6<br>5 or 4<br>7, 6<br>5 | 4<br>0<br>8<br>4 | PHY 111, 113<br>No credit<br>PHY 111, 112, 113, 114<br>PHY 111, 113 |

| | | | |
|---|---|---|---|
| Political Thought Standard-Level | any | 0 | No credit |
| Psychology Standard-Level | 7, 6, 5 or 4 | 3 | PSY DEC* |
| Psychology High-Level | 7, 6, 5 | 3 | PGS 101 or PSY 101 |
| Social and Cultural Anthropology Standard-Level | 7, 6 or 5 | 3 | ASB DEC* |
| Social and Cultural Anthropology High-Level | 7, 6, 5 or 4 | 3 | ASB 102 |
| Spanish B Standard-Level | any | 0 | No credit |
| Spanish B High-Level | 7 | 16 | SPA 101, 102, 201 and 202 |
| | 6 | 12 | SPA 101, 102 and 201 |
| | 5 | 8 | SPA 101 and 102 |
| | 4 | 4 | SPA 101 |
| Sports, Exercise and Health Science Standard-Level | 7, 6 or 5 | 3 | EXW 100 |
| Sports, Exercise and Health Science High-Level | 7, 6, 5 or 4 | 3 | KIN 100 or EXW 100 |
| Theory and Knowledge | 7, 6, 5 or 4 | 0 | No credit |
| Theatre Standard-Level | 7, 6, 5 or 4 | 3 | THE 100 |
| Theatre High-Level | 7, 6, 5 or 4 | 3 | THE 100 |
| Visual Arts Standard-Level | 7, 6 or 5 | 6 | ART 111 and ART DEC* |
| | 4 | 3 | ART 111 |
| Visual Arts High-Level | 7, 6 or 5 | 6 | ART 111, 112 |
| | 4 | 3 | ART 112 |
| World Religions Standard-Level | 7, 6 or 5 | 3 | REL DEC* |
| | 4 | 0 | No credit |
| ** No credit is awarded if the language is the student's native language. | | | |

## Cambridge International exam

Students who have completed a Cambridge course in their secondary school and who have taken a Cambridge International AS or A level examination may receive university credit. When the scores are received by the university, credit is awarded as shown in the Cambridge International Exam table below.

*Credit awarded as a department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. Students should see their advisor to determine how these courses may apply to their major.

### Cambridge International exam credit

| Examination | Score | ASU score translation | Credit hours | Equivalency |
|---|---|---|---|---|
| Accounting AS-Level | E or better | 1-5 | 3 | Elective credit |
| Accounting A-Level | E or better | 1-5 | 6 | Elective credit |
| Art and Design AS-Level** | E or better | 1-5 | 3 | ART DEC* |
| Art and Design A-Level** | E or better | 1-5 | 6 | ART DEC* |
| Biology AS-Level | D or better | 2-5 | 4 | BIO 100 or BIO DEC* |
| | E | 1 | 4 | BIO 100 |
| Biology A-Level | D or better | 2-5 | 8 | BIO 181, 182 |
| | E | 1 | 4 | BIO 181 |
| Business Studies AS-Level | E or better | 1-5 | 3 | Elective credit |
| Business Studies A-Level | E or better | 1-5 | 6 | Elective credit |
| Chemistry AS-Level | D or better | 2-5 | 4 | CHM 101 |
| Chemistry A-Level | A | 5 | 8 | CHM 113 and CHM 116 |
| | B or C | 4 or 3 | 4 | CHM 113 |
| | D or E | 2 or 1 | 4 | CHM 101 |
| Chinese Language AS-Level | C or better | 3-5 | 5 | CHI 101 |
| Chinese A-Level | C or better | 3-5 | 10 | CHI 101 and CHI 102 |

| | | | | |
|---|---|---|---|---|
| Computer Science AS-Level | E or better | 1-5 | 3 | IFT 100 |
| Computer Science A-Level | E or better | 1-5 | 3 | CSE 100 or CSE 110 or IFT 100 |
| Design and Technology AS-Level | E or better | 1-5 | 0 | No credit |
| Design and Technology A-Level | E or better | 1-5 | 0 | No credit |
| Design and Textiles AS-Level | E or better | 1-5 | 3 | FSH 201 |
| Design and Textiles A-Level | E or better | 1-5 | 6 | FSH 201 and FSH DEC* |
| Digital Media and Design AS-Level | C or better | 3-5 | 3 | ART DEC* |
| Digital Media and Design A-Level | E or better | 1-5 | 3 | ART 116 |
| Drama AS-Level | C or better | 3-5 | 3 | THE 100 |
| Drama A-Level | C or better | 3-5 | 6 | THE 100 and THE DEC* |
| Economics AS-Level | E or better | 1-5 | 0 | No credit |
| Economics A-Level | D or better | 2-5 | 6 | ECN 211 and ECN 212 |
| English Language AS-Level | E or better | 1-5 | 0 | No credit |
| English Language A-Level | E or better | 1-5 | 3 | Placement into ENG 105 and elective credits (3) |
| English Literature AS-Level | E or better | 1-5 | 0 | No credit |
| English Literature A-Level | E or better | 1-5 | 3 | ENG DEC* |
| Environmental Management AS-Level | D or better | 2-5 | 4 | BIO 130 |
| Food Studies AS-Level | E or better | 1-5 | 0 | No credit |

| | | | | |
|---|---|---|---|---|
| French Language AS-Level | C or better | 3-5 | 4 | FRE 101 |
| French Literature AS-Level | E or better | 1-5 | 0 | No credit |
| French A-Level | C or better | 3-5 | 8 | FRE 101 and FRE 102 |
| General Paper (Writing) AS-Level | E or better | 1-5 | 3 | Placement into ENG 105 and elective credits (3) |
| German Language AS-Level | C or better | 3-5 | 4 | GER 101 |
| German A-Level | C or better | 3-5 | 8 | GER 101 and GER 102 |
| | D or E | 2 or 1 | 0 | No credit |
| Geography AS-Level | E or better | 1-5 | 3 | GCU DEC* |
| Geography A-Level | E or better | 1-5 | 6 | GCU 102 and GPH DEC* |
| Global Perspectives and Research AS-Level | E or better | 1-5 | 3 | Elective credit |
| Global Perspectives and Research A-Level | E or better | 1-5 | 6 | Elective credit |
| History AS-Level | E or better | 1-5 | 3 | HST DEC* |
| History A-Level | E or better | 1-5 | 6 | HST DEC* |
| Information Technology AS-Level | E or better | 1-5 | 3 | Elective credit |
| Information Technology A-Level | E or better | 1-5 | 3 | Elective credit |
| Marine Science AS-Level | E or better | 1-5 | 0 | No credit |
| Marine Science A-Level | E or better | 1-5 | 0 | No credit |
| Mathematics AS-Level | E or better | 1-5 | 3 | MAT 117 |
| Mathematics A-Level | E or better | 1-5 | 3 to 4 | MAT 170 or 171 |

| | | | | |
|---|---|---|---|---|
| Mathematics-Further AS-Level | E or better | 1-5 | 4 | MAT 270 |
| Mathematics-Further A-Level | E or better | 1-5 | 8 | MAT 270 and MAT 271 |
| Media Studies AS-Level | E or better | 1-5 | 0 | No credit |
| Media Studies A-Level | E or better | 1-5 | 3 | FMP 201 |
| Music AS-Level | E or better | 1-5 | 3 | MUS DEC* |
| Music A-Level | E or better | 1-5 | 3 | MUS DEC* |
| Physical Science AS-Level | E or better | 1-5 | 3 | Elective credit |
| Physics AS-Level | E or better | 1-5 | 0 | No credit |
| Physics A-Level | E or better | 1-5 | 8 | PHY 111, PHY 113, PHY 112 and PHY 114 |
| Portuguese - Language AS-Level | C or better | 3-5 | 4 | POR 101 |
| Portuguese A-Level | C or better | 3-5 | 8 | POR 101 and POR 102 |
| Psychology AS-Level | E or better | 1-5 | 3 | PSY 101 |
| Psychology A-Level | E or better | 1-5 | 6 | PSY 101 and PSY DEC* |
| Sociology AS-Level | E or better | 1-5 | 0 | No credit |
| Sociology A-Level | E or better | 1-5 | 0 | No credit |
| Spanish First Language AS-Level | C or better | 3-5 | 4 | SPA 101 |
| Spanish Language AS-Level | C or better | 3-5 | 4 | SPA 101 |
| Spanish A-Level | C or better | 3-5 | 8 | SPA 101 and SPA 102 |

| | | | | |
|---|---|---|---|---|
| Thinking Skills AS-Level | E or better | 1-5 | 3 | Elective credit |
| Thinking Skills A-Level | E or better | 1-5 | 6 | Elective credit |
| Travel and Tourism AS-Level | E or better | 1-5 | 3 | TDM 205 |
| Travel and Tourism A-Level | E or better | 1-5 | 6 | TDM 205 and TDM DEC* |
| **Credit awarded depends on the content of the course completed; students should see an advisor once admitted. | | | | |

## Comprehensive examinations

A comprehensive examination is intended to permit a student to establish academic credit in a field in which the student has gained experience or competence equivalent to an established university course. Applications are given only for courses listed in the current catalog and only for courses in which a comprehensive examination can serve as a satisfactory measure of accomplishment.

A number of restrictions apply. To be eligible to apply to take a comprehensive examination to establish undergraduate course equivalence, a student must:

1. have earned not more than 60 credit hours through comprehensive, CLEP, International Baccalaureate and Advanced Placement examinations
2. have earned no credit for a duplicate course
3. have earned no credit for a course for which this course is a prerequisite

The decision on the suitability of course material for a comprehensive examination, the development of a comprehensive examination and the administration of an examination are strictly departmental functions. An application is for one course only. The student should complete an application form with the number, title and number of credit hours for the course. When completed, the application must be approved by the student's advisor and the chairperson of the department responsible for offering the course.

The student must then pay the stated fee for such examinations at cashiering services. The receipt must be taken to the departmental office.

The examination is prepared by the instructor who normally conducts the course, and it is comprehensive in nature and scope. The instructor and other experts designated by the chairperson grade the examination, using letter grades "A+", "A", "A-", "B+", "B", "B-", "C+", "C", "D" or "E". If the grade is "C" or higher, a mark of "Y" is entered on the student's permanent record; otherwise, no entry is made. Credit by examination is indicated as such on the record. The student is notified by mail of the result of the examination. In cases of failure ("D" or "E"), the student is not given an opportunity to repeat the examination.

A student pursuing a second baccalaureate degree may not receive credit by comprehensive examination, but with prior approval of the college the student may use the examination to waive a course requirement if a grade of "C" or higher is earned.

## Proficiency examinations

Proficiency examinations and auditions are given:

1. to waive a course requirement
2. to validate certain transfer credits in professional programs
3. to determine a student's ability in a field where competence is an important consideration

Detailed information may be obtained from the dean's office of the college in which the student is registered.

**Source URL:** https://catalog.asu.edu/credit_exam

**Links:**
[1] https://transferguide.apps.asu.edu/app/home
[2] https://catalog.asu.edu/credit_exam#CLEP
[3] https://catalog.asu.edu/credit_exam#AP
[4] https://catalog.asu.edu/credit_exam#DANTES
[5] https://catalog.asu.edu/credit_exam#IB
[6] https://catalog.asu.edu/credit_exam#cambridge
[7] https://catalog.asu.edu/credit_exam#COMP
[8] https://catalog.asu.edu/credit_exam#PRO
[9] https://catalog.asu.edu/test_req
[10] https://uoeee.asu.edu/exam/clep
[11] https://uoeee.asu.edu/exam/dsst

# Leave of absence (undergraduate)

The Undergraduate Leave of Absence (LOA) policy assists and encourages undergraduate degree-seeking students to return and graduate after an absence due to military deployment, service on an official church mission or with a foreign aid service of the Federal government, or a permanent disability. If your absence is for any other reason, you may be eligible to return to ASU through Quick Re-entry [1], which permits undergraduate students to enroll without submitting a new application or application fee if they previously attended ASU but have not enrolled at ASU for up to seven consecutive fall or spring semesters.

## Eligibility requirements

To be eligible for an Undergraduate LOA, students must be eligible to register for classes and meet the following criteria:

1. Be a degree-seeking undergraduate student.
2. Be registered during the semester immediately prior to the beginning of the LOA.
    - Students who were admitted as new first semester freshman or transfer students but did not attend will not be eligible for an LOA. Instead, they should contact the Undergraduate Admissions office.
    - Students who were readmitted but did not attend will not be eligible for an LOA. Instead, they should contact the Undergraduate Admissions office.
    - Students who are participating in an ASU-sponsored study abroad program need not apply for an LOA.
3. Be in academic good standing, warning, probation, or continuing probation with their college.
4. Have no hold (e.g., disciplinary, financial, testing, etc.) which would restrict registration. Note: Students with financial holds may be given consideration for an LOA if authorized by the Collections Office [2].
5. Have submitted any outstanding high school and/or transfer transcripts, if prior admission/readmission and continued enrollment was contingent upon receipt of those transcripts.

Download the Undergraduate Leave of Absence Request [3] form

## Leave of absence FAQ's

Information for students returning from a Leave of Absence.

**Q. My LOA is about to expire; what do I do now?**
A. View your registration date as well as any current registration holds and "To Do" list items on My ASU [4]. Schedule an appointment with your advisor to discuss course selection. Submit transcripts for coursework you completed during your LOA.

**Q. How will the university inform me regarding upcoming enrollment, deadlines and holds that may occur while I'm on an LOA?**
A. We recommend checking your My ASU [4] page often during your LOA so that you may stay informed about registration dates, financial aid and tuition deadlines and advising holds that may occur prior to the end of your leave.

**Q. If I qualify for an LOA, does this defer my scholarship?**
A. No. In order to request a deferment of your scholarship, you will need to complete the Scholarship Deferment Application [5] found on the Scholarship website. To have your scholarship reinstated after the deferment period, you will need to complete the Scholarship Reinstatement Request [6] form.

**Q. Can I come back earlier than what my original LOA was processed for?**
A. Yes. If you wish to return to ASU prior to the end of your scheduled leave you will need to contact University Registrar Services at 480-965-3124 so that your return may be updated immediately to maximize enrollment opportunities and meet any college, financial aid, etc. deadlines.

**Q. Can I request an extension of my LOA?**
A. Yes. If you are unable to return to ASU by the term you initially identified, then you may request an extension through the college of your major. To extend your LOA, please complete the LOA form [7] and submit to your college for approval.

**Q. Am I able to view my unofficial transcripts?**
A. Yes. Students can view their unofficial transcripts through their My ASU [4] page.

**Q. Will my loans be deferred while on an LOA?**
A. No. In order to defer loans, students must be currently enrolled. While the LOA keeps student records up to date, it does not allow for deferment. Please contact your lender for more information.

**Q. Can I attend another institution while on an LOA?**
A. Yes. Once all coursework is complete and graded, please request official transcripts to be sent directly from the transfer institution to ASU at the following address:

Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

Registration and Tuition Payment Guide [8]

Enrollment Request Forms [9]

Contact University Registrar Services [10]

**Source URL:** https://students.asu.edu/leave-absence

**Links:**
[1] https://admission.asu.edu/undergrad/readmission
[2] https://students.asu.edu/tuitionandbillingcontact
[3] https://students.asu.edu/sites/default/files/undergraduate_leave_of_absence_request_2.11.2020.pdf
[4] http://my.asu.edu/
[5] https://students.asu.edu/forms/scholarship-deferment-application
[6] https://students.asu.edu/forms/scholarship-reinstatement
[7] https://students.asu.edu/forms/leave-absence-undergraduate
[8] https://students.asu.edu/registration-and-tuition-payment-guide
[9] https://students.asu.edu/forms/registration
[10] https://students.asu.edu/contact/office-university-registrar

# Minors and undergraduate certificates

Minors and certificates are available to currently enrolled undergraduate students in a variety of academic disciplines. Students can explore Degree Search [1] for more information on and enrollment requirements for available minors and certificates, as well as request to add one to their program of study.

## Minors

A minor is an approved, coherent concentration of academic study in a single discipline, involving substantially fewer hours of credit than a corresponding major. Most ASU colleges offer undergraduate minors in addition to majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added.

Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

A student pursuing a second baccalaureate degree in the same discipline as a minor previously conferred by ASU will have that minor removed from the original academic record upon completion of the second degree.

### Undergraduate certificates

With the exception of special programs, undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding a baccalaureate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

The Pathways for the Future [2] program offers upskilling options through select ASU certificate programs for professionals without a bachelor's degree.

**Source URL:** https://catalog.asu.edu/minors

**Links:**
[1] https://degrees.apps.asu.edu/minors
[2] https://pff.asu.edu/

## Placement and testing requirements

### English placement

All students must meet the university First-Year Composition requirement through completion of both ENG 101 and ENG 102 or ENG 105 with a grade of "C" (2.00) or higher. Students for whom English is not a native language should complete ENG 107 and ENG 108 to satisfy this requirement.

### Math placement

Prior to attending orientation and enrolling in classes, incoming first-year students must complete the ASU mathematics placement assessment [1]. ASU uses the placement assessment score and major math requirements [2] to identify the appropriate math course for students' math skills and academic goals.

**Source URL:** https://catalog.asu.edu/test_req

**Links:**
[1] https://students.asu.edu/math
[2] https://catalog.asu.edu/ug_math

## Retention and academic standards

### Class standing

A student's class standing is determined by the number of credit hours earned, as shown in the table below.

| Student | Credit hours earned |
|---|---|
| Freshman | 24 or fewer credit hours earned |
| Sophomore | 25 to 55 credit hours earned |
| Junior | 56 to 86 credit hours earned |
| Senior | 87 or more credit hours earned |
| Graduate | bachelor's degree from accredited institution |

## Academic good standing

For the purpose of retention, university academic good standing [1] for degree-seeking students is defined as maintaining a minimum cumulative GPA of 2.00. This standard is in effect for all students regardless of catalog year.

### Academic warning

An ASU student who does not achieve the minimum GPA standard at the completion of the first term of study will receive an academic warning [2]. If after one term with an academic warning a student still does not achieve the minimum GPA standard, the student will be placed on probation for at least one additional term. If a student's minimum GPA first falls below the standard in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

A student with an academic warning or on academic probation is considered in conditional good standing and is permitted to enroll.

Whether a student has received an academic warning or is on probation, the student must meet with an academic success advisor to discuss academic success strategies for the subsequent semester and develop a success plan for returning to university academic good standing. That plan may require successful completion of the academic refresher course UNI 220 Mindset Connections.

### Dean’s list

Undergraduate students are eligible for the dean’s list if they earn 12 or more graded credit hours (“A+”, “A”, “A-”, “B+”, “B”, “B-”, “C+”, “C”, “D” or “E”) during a semester in residence at ASU with a GPA of 3.50 or higher. A notation regarding dean’s list achievement appears on the unofficial transcript. The dean's list is generated at the completion of the fall and spring semesters.

### Satisfactory academic progress

The university is required to publish and enforce standards of satisfactory academic progress for certain students (e.g., student-athletes, students receiving financial aid and students receiving veterans benefits).

Certification of satisfactory progress for student-athletes is verified by the academic advisor and the dean’s designee for certifying satisfactory progress. Certification of satisfactory progress [3] for students receiving financial aid or veterans benefits is verified by Financial Aid and Scholarship Services or the Pat Tillman Veterans Center, respectively. Students should contact their advisors or the appropriate office for additional information on satisfactory progress requirements.

### Probation

A student’s college assumes responsibility for enforcing academic standards and may place on university academic probation [4] any student who has failed to maintain good standing as previously defined. For purposes of probation and

retention, an individual college may set higher GPA standards. A student on academic probation is required to observe any rules or limitations the college may impose as a condition for retention, including college-established policies regarding continuing probation.

### Co-enrolled continuing probation program

Select disqualified students may participate in the co-enrolled continuing probation program at the discretion of their college or school. Under this program, the student takes UNI 220 Mindset Connections plus one ASU course selected by the student's advisor. The student co-enrolls at a Maricopa County Community College with a schedule selected in consultation with the ASU advisor. Upon completion of the term, students with a combined semester cumulative GPA of 2.50 may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

## Disqualification

A student who is placed on probation at the end of a semester is subject to disqualification [5] by the college or school at the end of the following semester if the conditions imposed for retention are not met.

Disqualification is exercised at the discretion of the college or school. A student is notified of disqualification by the dean of the college and is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled. A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible. A disqualified student may not attend as a nondegree student. If a disqualified student elects to attend another university or two-year college, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a replacement of a grade earned at ASU. Disqualified students must consult with an academic advisor to determine eligibility to attend ASU in the summer session, to raise the ASU cumulative GPA.

Select disqualified students may participate in the co-enrolled continuing probation program. Information about this is available in the Glossary of Academic Terms, at Probation [6].

## Readmission

Students not eligible for quick re-entry [7] (i.e., because they have not been enrolled at ASU for seven or more semesters, completed their academic program, or were academically disqualified) must apply for readmission [8] and submit applicable fees.

Candidates for readmission who are not in academic good standing are subject to college review.

A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible.

## Academic integrity

All students should be familiar with ASU's Academic Integrity Policy [9].

**Source URL:** https://catalog.asu.edu/retention_standing

**Links:**
[1] https://catalog.asu.edu/glossary#goodstanding
[2] https://catalog.asu.edu/glossary#warning
[3] https://catalog.asu.edu/glossary#progress
[4] https://catalog.asu.edu/glossary#probation
[5] https://catalog.asu.edu/glossary#disqualified
[6] https://catalog.asu.edu/glossary#probation
[7] https://catalog.asu.edu/glossary#quickreentry
[8] https://admission.asu.edu/undergrad/readmission
[9] https://provost.asu.edu/academic-integrity

# University undergraduate General Studies requirement

A baccalaureate education should prepare students for a particular profession or advanced study as well as for constructive and satisfying personal, social and civic lives. In addition to acquiring a depth of knowledge in a particular academic or professional discipline, students should also be broadly educated, with knowledge of transdisciplinary solutions that would enable them to address interdependent economic, environmental and social challenges. They should develop the general intellectual skills they will need to continue learning throughout their lives. Thus, the General Studies requirement complements the undergraduate major by helping students gain mastery of critical learning skills, investigate the traditional branches of knowledge, and develop the broad perspective that frees one to appreciate diversity and change across time, culture and national boundaries.

Critical learning skills include proficiency in the use of language, mathematics and quantitative methods as tools for acquiring, renewing, creating and communicating knowledge. A broad education includes an understanding of the methods and concerns of traditional branches of knowledge — the arts and humanities, the social sciences, and the natural sciences. Developing perspective requires historical, global and cross-cultural examination of knowledge of all kinds.

The General Studies requirement is composed of courses in five core areas and three awareness areas. The courses are approved by the General Studies Council and are noted in the course catalog [1] for each academic term. General Studies courses are regularly reviewed and are occasionally added to and deleted from the list. Students should always consult the course catalog [1] each semester to see which courses currently meet the General Studies requirement.

A student receives the General Studies credit that a course carries during the semester in which the course is taken.

## Five core areas (General Studies)

### L: Literacy and critical inquiry (three credit hours)

Literacy is competence in written and oral discourse. Critical inquiry is the gathering, interpretation and evaluation of evidence. The literacy and critical inquiry requirement helps students sustain and extend their ability to reason critically and communicate clearly through language.

Students must complete three credit hours from courses designated as L. Students must have completed ENG 101, ENG 105 or ENG 107 to take an L course.

The three credit hours required to meet the General Studies L requirement are in addition to the upper-division L university graduation requirement. Students should review the university baccalaureate graduation requirements [2] requirements for more information.

### MA and CS: Mathematical studies (combined six credit hours)

This core area has two categories. Mathematics (MA) is the acquisition of essential skills in basic mathematics. Computer/statistics/quantitative applications (CS) applies mathematical reasoning and requires students to complete a course in either the use of statistics and quantitative analysis or the use of a computer to assist in serious analytical math work.

This requirement has two parts: At least three credit hours must be selected from courses designated MA and at least three credit hours must be selected from courses designated CS, and all students are expected to fulfill the MA requirement by the time they accumulate 30 credit hours in residence at ASU. Any student who has more than 30 hours of resident ASU credit and has not fulfilled the MA requirement must enroll in an MA course or an appropriate prerequisite and continue to do so every semester until the mathematics requirement is met. College officers may grant waivers to the immediate and continual enrollment requirement only when there are scheduling conflicts detrimental to the student's academic progress.

### HU: Humanities, arts and design and SB: Social-behavioral sciences (combined 12 credit hours)

The study of the humanities and the disciplines of art and design deepen awareness of the complexities of the human condition and its diverse histories and cultures. Courses in the humanities are devoted to the productions of human thought and imagination, particularly in philosophical, historical, religious and artistic traditions. Courses with an emphasis

in arts and design comprise the study of aesthetic experiences and the processes of artistic creation. They also may feature a design emphasis in which material culture is studied as a product of human thought and imagination.

The social-behavioral sciences provide scientific methods of inquiry and empirical knowledge about human behavior, within society and individually. The forms of study may be cultural, economic, geographic, historical, linguistic, political, psychological or social. The courses in this area address the challenge of understanding the diverse natures of individuals and cultural groups who live together in a world of diminishing economic, linguistic, military, political and social distance.

Twelve credit hours must be completed in the following two core areas: humanities, arts and design (HU) and social-behavioral sciences (SB). At least six credit hours must be taken in each of these two core areas.

The 12 credit hours required to meet the General Studies HU/SB requirement are in addition to the upper-division HU/SB university graduation requirement. Students should review the university baccalaureate graduation requirements [2] for more information.

### SQ and SG: Natural sciences (combined eight credit hours)

The natural sciences help students appreciate the scope and limitations of science and its contributions to society. Natural science areas of study include anthropology, astronomy, biology, biochemistry, chemistry, experimental psychology, geology, microbiology, physical geography, physics and plant biology. Knowledge of the methods of scientific inquiry and mastery of basic scientific principles and concepts are stressed, specifically those that relate to matter and energy in living and nonliving systems. Firsthand exposure to scientific phenomena in the laboratory is important for developing and understanding the concepts, principles and vocabulary of science.

General Studies courses that satisfy the natural science requirement are given one of two classifications: quantitative (SQ) and general (SG).

- quantitative (SQ): These laboratory courses include a substantial introduction to the fundamental behavior of matter and energy in physical and biological systems.
- general (SG): These laboratory courses cover aspects of scientific inquiry that lend themselves to more qualitative or descriptive discussions of science.

Eight credit hours of courses designated SQ or SG must be selected. Of these, at least four credit hours must be taken from the SQ category.

## Three awareness areas (General Studies)

Students must complete courses that satisfy three awareness areas. Courses that are listed for a core area and one or more awareness areas may satisfy requirements concurrently, up to a maximum of two of the awareness areas listed for that course. These awareness areas promote appreciation of cultural diversity within the contemporary U.S., the development of an international perspective and an understanding of current human events through study of the past.

### 1. Cultural diversity in the United States (C)

The objective of the cultural diversity (C) requirement is to promote awareness and appreciation of cultural diversity within the contemporary U.S. This is accomplished through the study of the cultural, social or scientific contributions of women and minority groups, examination of their experiences in the U.S., or exploration of successful or unsuccessful interactions between and among cultural groups. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present and future and also help students achieve greater mutual understanding and respect.

### 2. Global awareness (G)

The objective of the global awareness (G) requirement is to help students recognize the need for an understanding of the values, elements and social processes of cultures other than those of the U.S. The global awareness area includes courses that recognize other contemporary cultures and the relationship of the American cultural system to generic human goals and welfare.

### 3. Historical awareness (H)

The objective of the historical awareness (H) requirement is to help students develop knowledge of the past, which can be useful in shaping the present and future. History is present in languages, art, music, literature, philosophy, religion and the natural sciences as well as in the social science traditionally called history.

## Meeting the General Studies requirement

All students enrolled in a baccalaureate degree program must complete successfully a minimum of 29 credit hours of approved General Studies courses. Many General Studies courses are approved as satisfying more than one requirement. The following conditions govern the application of courses toward the General Studies requirement:

- A single course may be used to satisfy one core area and a maximum of two awareness area requirements.
- A single course may be used to satisfy a maximum of two awareness area requirements.
- A single course cannot be used to satisfy two core area requirements, even if it is approved for more than one core area.

There is no limit to the number of Advanced Placement [3] or College-Level Examination Program [4] credits that can be used to meet the General Studies requirement. However, CLEP credits do not satisfy the natural sciences (SQ and SG) and literacy and critical inquiry (L) portions of the General Studies requirement.

### Transfer credit

Completion of General Studies and composition requirements at a domestic institution accredited by an organization recognized by ASU as certified on the official transcript will fulfill ASU's lower-division General Studies and composition requirements. Certification of completed General Studies may include students' completion of a general education package (ex: AGEC, CSUGE, IGETC), an associate of arts degree, or bachelor's degree, or comparable, as documented on an official transcript. These students are still required to fulfill lower-division program requirements and prerequisites within their college and major and minor areas of study. Additionally, students still must take six upper-division credit hours (three for L and three for SB or HU) to complete the ASU university-level graduation requirements. If students transfer from Arizona community colleges without completing the AGEC or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. Students should see the Arizona General Education Curriculum [5] page for more information.

## University requirements

In addition to the 29 credit hours of lower-division general education coursework, university baccalaureate graduation requirements [2] also require students to take six additional upper-division credit hours. Three hours with a literacy (L) designation are required to be chosen from approved upper-division courses, preferably in the major. Three hours with either a humanities, arts and design (HU) or social-behavioral sciences (SB) designation should also be chosen from approved upper-division courses, preferably in the major.

## College or school and major requirements

In addition to the General Studies requirement, students also must complete college or school and major requirements. Students are encouraged to work with their academic advisors to develop a program of study that efficiently meets all graduation requirements. A well-planned program should enable a student to satisfy concurrently requirements at the university, college or school levels, and within their major.

**Source URL:** https://catalog.asu.edu/ug_gsr

**Links:**
[1] https://catalog.apps.asu.edu/catalog/courses
[2] https://catalog.asu.edu/ug_grad_req
[3] https://catalog.asu.edu/credit_exam#AP
[4] https://catalog.asu.edu/credit_exam#CLEP
[5] https://catalog.asu.edu/agec

# University undergraduate graduation requirements (baccalaureate)

All students enrolled in a baccalaureate degree program must fulfill the following university requirements to graduate.

## Credit requirements

A minimum of 120 credit hours is required for graduation with a baccalaureate degree; at least 45 credit hours must be in upper-division courses. Some programs may require more than 120 credit hours and 45 upper-division credit hours for

graduation. Associate degrees require a minimum of 60 credit hours. Students should check the program's graduation audit and major map for graduation requirements.

No more than 60 credit hours earned in independent learning courses or earned by comprehensive examination (including Advanced Placement, College-Level Examination Program, DANTES Subject Standardized Test, Cambridge International Exam and International Baccalaureate exams) are accepted for credit toward the baccalaureate degree.

## Grade point requirement

A minimum cumulative grade point average of 2.00 for all courses taken at ASU is required to graduate with an undergraduate degree. Some programs may require a cumulative GPA higher than 2.00; students should refer to the specific program's graduation audit and major map for graduation requirements.

## General Studies requirement

All students enrolled in an undergraduate degree program must satisfy the university requirement of a minimum of 29 credit hours of approved General Studies coursework. Students should refer to the General Studies [1] page for more information.

Completion of General Studies and composition requirements at a domestic institution accredited by an organization recognized by ASU as certified on the official transcript will fulfill ASU’s lower-division General Studies and composition requirements. Certification of completed General Studies may include students' completion of a general education package (ex: AGEC, CSUGE, IGETC), an associate of arts degree or bachelor’s degree or comparable, as documented on an official transcript. If students transfer from Arizona community colleges without completing the AGEC or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. Students should review the Arizona General Education Curriculum [2] page.

In addition to 29 credit hours of General Studies coursework, students enrolled in a baccalaureate degree program must complete an additional six upper-division credit hours, preferably chosen from within the major, comprised of three credit hours of literacy (L) and three credit hours of humanities, arts and design (HU)/social-behavioral sciences (SB).

## Mathematics requirement

All undergraduate degree-seeking students are expected to fulfill the university's mathematics requirement by the time they have accumulated 30 credit hours in residence at ASU. Any student who has more than 30 credit hours and has not fulfilled the mathematics requirement must enroll in a mathematics course or an appropriate prerequisite course and continue to do so every semester until the mathematics requirement is met. A waiver may be granted for continuous enrollment if there are scheduling conflicts detrimental to the student's academic progress. Students should also see the Math Intensive Programs: Required Course Policy [3].

## First-year composition requirement

Completion of both ENG 101 and ENG 102, or ENG 105 with a grade of "C" (2.00) or higher is required for graduation from ASU in any baccalaureate or associate program. Students for whom English is not a native language may meet the first-year composition requirement by completing ENG 107 and 108 with a grade of "C" (2.00) or higher. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

### Transfer credit

Composition courses transferred from other postsecondary institutions may require evaluation. After consultation with an advisor, if evaluation is necessary, the student should submit a request for evaluation through the ASU Transfer Guide [4]. The process should be completed upon transfer of coursework to ASU so the student is able to enroll in additional courses if required to do so. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

## Resident credit requirement

Resident credit refers to a course that is offered in a regular semester or summer session. Credit earned through comprehensive examinations also is included when calculating ASU resident hours. Credit earned through independent learning, Advanced Placement testing, the College-Level Examination Program or an International Baccalaureate exam are excluded when calculating ASU resident hours.

Every candidate for an undergraduate degree is required to earn a minimum of 30 credit hours in resident-credit courses at ASU.

## Guidelines for determination of catalog year

The ASU Academic Catalog is published annually. Department, school, division, college and university requirements are upgraded often, and may change. In determining graduation requirements, an undergraduate student will use only one edition of the catalog but may elect to follow any subsequent catalog edition under which the student attends. Students may not use an edition of the catalog that was in effect before their high school graduation or completion of their GED. Students maintaining continuous enrollment at any Arizona community college or public university may graduate according to the requirements of the catalog in effect at the time of initial enrollment following high school graduation or completion of a GED or according to the requirements of any single catalog in effect during subsequent terms of continuous enrollment. Students may maintain continuous enrollment while pursuing their degrees, whether attending a single Arizona community college or public university or transferring among public institutions in Arizona. Students transferring among Arizona public higher education institutions must meet all requirements of the degree-granting institution: admission, residency, curricular and academic.

1. A semester in which a student earns course credit is counted toward continuous enrollment. Noncredit courses, audited courses, failed courses and courses from which the student withdraws do not count toward the determination of continuous enrollment for catalog purposes (examples A and B in the continuous enrollment table below).
2. Students who do not meet the minimum enrollment standard stipulated above during three consecutive semesters (fall/spring/fall or spring/fall/spring) and the intervening summer term at any Arizona community college or public university are no longer considered continuously enrolled. These students must meet requirements of the Arizona community college or public university catalog in effect at the time they are readmitted or of any single catalog in effect during subsequent terms of continuous enrollment after readmission (examples C and D in the continuous enrollment table below). Students are not obligated to enroll and earn course credit during summer terms, but summer enrollment may be used to maintain continuous enrollment status.
3. Students admitted or readmitted to an Arizona community college or public university during a summer term must follow the requirements of the catalog in effect for the following fall semester or of any single catalog in effect during subsequent terms of continuous enrollment (example E in the continuous enrollment table below).
4. In areas of study in which the subject matter changes rapidly, material in courses taken long before graduation may become obsolete or irrelevant.
5. Coursework that is more than eight years old is applicable to completion of degree requirements at the discretion of the department of the student’s major. Departments may accept or reject such coursework or request that the student revalidate the substance of the coursework. The eight-year limit on coursework applies except when program accreditation agencies limit the life of coursework to fewer than eight years. Departments also may require students to satisfy current major requirements rather than major requirements stated in earlier catalogs when completing earlier requirements is no longer possible or educationally sound.
6. Enrollment by Arizona community college students in nontransferable courses still constitutes enrollment for purposes of determining whether the student has been continuously enrolled. For example, if a student takes two semesters of cooperative education classes that are not transferable to the university but constitute continuous enrollment at the community college, the university should consider it continuous enrollment.
7. Exceptions made by an institution apply only to the institution that made the exception. For example, if the community college departments accepted credit that was more than eight years old, the university department to which the student transfers might not; the university department has the right and the obligation to reevaluate any credit more than eight years old.

Inquiries about these guidelines may be directed to the student's academic advisor.

## Figuring out catalog year by enrollment

| Continuous enrollment | | |
|---|---|---|
| | | |
| **Student's activity** | **Semester/Year** | **Status** |
| | | |
| **Example A** | | |
| Admitted and earned course credit at an Arizona community college | Fall 2019 | Active |
| Continued at an Arizona community college | Spring 2020<br>Fall 2020 | Active |
| Transferred to an Arizona university | Spring 2021 | Student enrolled under 2019–2020 or any subsequent catalog |
| **Example B** | | |
| Admitted and earned course credit at an Arizona community college | Fall 2015 | Active |
| Enrolled but earned all "W"s or "E"s (0.00) | Spring 2016 | Inactive |
| Enrolled in audit courses only | Fall 2016 | Inactive |
| Nonattendance | Spring 2017 | Inactive |
| Transferred to an Arizona university | Fall 2018 | Student enrolled under 2018–2019 or any subsequent catalog |
| **Example C** | | |
| Admitted and earned course credit at an Arizona community college | Fall 2018 | Active |

| | | |
|---|---|---|
| Nonattendance | Spring 2019<br>Fall 2019<br>Spring 2020 | Inactive |
| Readmitted and earned course credit at an Arizona community college | Fall 2020 | Active |
| Transferred to an Arizona university | Spring 2021 | Student enrolled under 2020–2021 or any subsequent catalog |
| **Example D** | | |
| Admitted and earned course credit at an Arizona community college | Fall 2018 | Active |
| Nonattendance | Spring 2019 | Inactive |
| Readmitted and earned course credit at an Arizona community college | Summer 2019 | Active |
| Nonattendance | Fall 2019<br>Spring 2020 | Inactive |
| Transferred to an Arizona university | Fall 2020 | Student enrolled under 2018–2019 or any subsequent catalog |
| **Example E** | | |
| Admitted and earned course credit at an Arizona community college | Summer 2017 | Active |
| Continued at an Arizona community college | Fall 2018<br>Spring 2019 | Active |
| Nonattendance | Fall 2019 | Inactive |
| Readmitted and earned course credit at an Arizona community college | Spring 2020 | Active |
| Transferred to an Arizona university | Summer 2020 | Student enrolled under 2017–2018 or any subsequent catalog |
| **Example F** | | |

| | | |
|---|---|---|
| Admitted and earned course credit at an Arizona university | Summer 2018 | Active |
| Nonattendance | Fall 2018 | Inactive |
| Nonattendance | Spring 2019 | Inactive |
| Readmitted and earned course credit at an Arizona university | Fall 2019 | Active |
| Continued at an Arizona community college | Spring 2020 | Student enrolled under 2018–2019 or any subsequent catalog |

## Application for graduation

Students should visit the ASU Graduation [5] website for information on how to apply for graduation and deadline dates.

## Petition for variance from degree

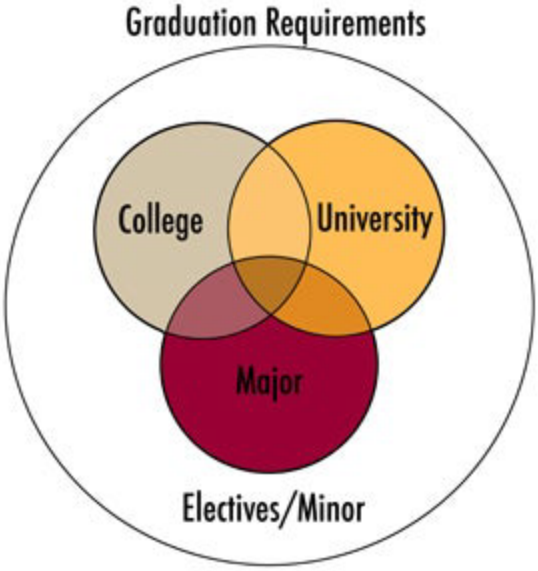
Any student wishing to have a college or university degree requirement variance must petition the standards committee of the college in which the student is enrolled. All petitions must originate with the student's advisor.

The University Undergraduate Standards Committee advises the Office of the University Provost regarding undergraduate student petitions that concern university-wide academic requirements. These requirements include: requirements on the amount of transfer credit, graduation requirements, limits on credit by examination and requirements for a second baccalaureate degree. To petition for a variance from such university requirements, the University Undergraduate Standards Committee petition [6] is used. Most petitions heard by the University Undergraduate Standards Committee start at the college level and are forwarded for final review and decision to the university-level committee.

## Overview of graduation requirements

At ASU, students take classes that fulfill four types of requirements. As illustrated in the graduation requirements diagram below, some courses can fulfill two or more types of requirements but other courses fulfill only one requirement. The total credit hours needed to graduate are represented by the largest circle. The university minimum is 120 credit hours. Some majors, however, may require more than 120 credit hours.

Although the three shaded circles in the illustration below are equal in size and the white circle is larger than all three, the total number of credit hours for each type of requirement may vary.




**University requirements**
The yellow circle represents university requirements. The General Studies requirement and first-year composition requirement are among these requirements.

**College requirements**
The gray circle represents college requirements. Some colleges and schools such as The College of Liberal Arts and Science have additional requirements.

**Major**
The red circle represents the requirements of the major. The credit hours required for a major may be as low as 30 credit hours or as high as 65 credit hours.

**Electives/minor/certificate**
The white circle represents electives and the requirements of a minor or certificate. A minor typically adds an additional 15 to 25 credit hours of coursework. Although every student eventually must declare a major, minors and certificates are not required. Some courses, while providing credit hours toward graduation, fall outside the shaded circles and are not required in a program for graduation. These courses are electives. Some majors leave no room for electives within the minimum 120 credit hours required to graduate.

**Other requirements**
The separate units of ASU — such as colleges, schools and departments — have specific requirements for graduation that must be satisfied for a baccalaureate degree. Students are encouraged to consult with an academic advisor in planning a program to ensure it meets the various requirements. A well-planned program may enable a student to concurrently satisfy a portion of the General Studies requirement together with a portion of a college or major requirement.

## Graduation with academic recognition

An undergraduate student must have completed at least 56 hours of resident credit at ASU to qualify for graduation with academic recognition for a baccalaureate degree.

The cumulative GPA determines the designation, as shown in the academic recognition table below.

| Academic recognition | |
|---|---|
| **Cumulative GPA** | **Designation** |
| 3.40–3.59 | cum laude |
| 3.60–3.79 | magna cum laude |
| 3.80–4.00 | summa cum laude |

The cumulative GPA for these designations is based on ASU resident coursework only. All designations of graduation with academic recognition are indicated on the diploma and the ASU transcript. Graduation with academic recognition applies only to undergraduate degrees.

A student who has a baccalaureate degree from ASU and is pursuing a second baccalaureate degree at ASU (with a minimum of 30 hours of resident credit) is granted academic recognition on the second degree based on the credit hours earned subsequent to the posting of the first degree. If fewer than 56 credit hours are completed at ASU subsequent to completion of the first ASU degree, the level of academic recognition can be no higher than that obtained on the first degree. If 56 or more credit hours are completed at ASU after completion of the first ASU degree, the level of academic recognition is based on the GPA earned for the second ASU degree. Inquiries about graduation with academic recognition may be directed to University Registrar Services [7].

## Additional degrees

### Second baccalaureate degree

The student seeking a second baccalaureate degree must meet admission criteria for that degree. After conferral of the first degree, a minimum of 30 additional credit hours in resident credit courses at ASU must be successfully completed to earn the second baccalaureate degree. The student must meet all degree and university requirements of the second degree.

Admission to a specific second baccalaureate degree program may be deemed inappropriate based on the discipline or degree type of the original baccalaureate degree, regardless of whether that degree was earned at ASU or another institution (e.g., admission to a BS in psychology after earning a BA in psychology).

A student pursuing a second baccalaureate degree in the same discipline as a minor previously conferred by ASU will have the minor removed from the original academic record upon completion of the second degree.

Students who wish to use courses taken while in graduate nondegree status toward a second bachelor's degree may have up to 15 credit hours applied toward this degree.

### Concurrent degrees

More than one baccalaureate degree may be pursued concurrently if prior approval is given by the colleges or schools offering the degrees. Students may receive concurrent degrees if they meet the minimum requirements for both degrees. Specific combinations of degrees may be deemed inappropriate due to high curricular overlap.

For additional information, students are asked to review the glossary description [8].

## eAdvisor and critical requirements

eAdvisor [9] ensures that students get off to a good start and stay on track toward graduation by helping them find a major that fits their talents and career goals and then monitors progress. Students use eAdvisor to do the following:

1. Learn more about graduation requirements for their major.
2. Discern the critical courses and grades that are required to stay on track to successfully complete their degree.
3. Plan for and schedule appropriate courses in the correct sequence to maximize success.
4. Monitor progress toward their degree.
5. Find out how courses may fit into other majors if they decide to change majors.

Through eAdvisor, students follow a major map that outlines the critical requirements and optimal eight-semester plan. If students do not meet the critical requirements, an advising hold may be placed on the students' records, and an advising session is required before future registration activities can take place. When students do not meet the critical requirements for two consecutive semesters, they are considered off track and may be advised to change majors.

Critical requirements are identified by the faculty and academic units as predictors of success in a major. To ensure students are able to enroll in critical courses, ASU academic units coordinate to offer sufficient seats to meet demand. Specific class schedules (days and times) are not guaranteed.

### Math-intensive programs: required course policy

ASU undergraduate degree programs are categorized in the area of math intensity [10] as either general, moderate or substantial based on the number and type of required math courses. Students enrolled in a degree program categorized as substantial in math intensity who receive a failing grade of “E” twice in the same required math course may be required to change their major to a major categorized as general or moderate. This policy is applicable even if the required math course is not marked as critical through the eAdvisor tracking tool.

## Disestablished programs

A disestablished program is a major, minor or certificate that the institution has chosen to discontinue. Upon the effective term and year of disestablishment, ASU may choose to stop admitting new students into the program. This includes current ASU students seeking to change into the disestablished major, to add the disestablished major as a concurrent degree, or to add the disestablished minor or certificate. Active students in a disestablished program have a period of four academic years to complete the program requirements. This includes active, not enrolled students typically eligible for Quick Re-entry. Students choosing Quick Re-entry to the institution after a period of nonenrollment cannot re-enroll in a disestablished program if four academic years have passed since the effective term of disestablishment.

Students who have not completed the requirements for a disestablished program four academic years after disestablishment will be changed administratively to a different major, or have the minor or certificate removed from their record.

**Source URL:** https://catalog.asu.edu/undergraduatereq

**Links:**
[1] https://catalog.asu.edu/ug_gsr
[2] https://catalog.asu.edu/agec
[3] https://catalog.asu.edu/undergraduatereq#mathintensity
[4] https://transferguide.apps.asu.edu/app/home
[5] https://students.asu.edu/graduation
[6] https://provost.asu.edu/committees/university-undergraduate-standards-committee
[7] https://students.asu.edu/registration
[8] https://catalog.asu.edu/glossary#concurrent
[9] https://eadvisor.asu.edu/
[10] https://catalog.asu.edu/mathintensity

# University associate degree graduation requirements

The AA programs in military studies and organizational leadership have been designed with, and are offered in partnership with, the U.S. Naval Community College. It is designed for enlisted sailors, marines and coast guards.

The AA program in military studies is designed to help students gain a broad view of the historical and political contexts of contemporary U.S. national security and naval actions. The program draws on ASU's strengths in history, politics, global studies, interdisciplinary studies, and the causes and future of war, with the USNCC providing specific military content and expertise and ASU providing civilian framing and expertise.

The AA program in organizational leadership uses transdisciplinary methods to prepare students to become leaders in organizations across all sectors: private, nonprofit, government and military. Students develop the skills that leaders need to solve problems, communicate effectively, assess programs, manage resources, and evaluate emerging technologies. The flexible Associate of Arts degree allows students to complete general education coursework and concentrated coursework in a second, disciplinary field to prepare them for leadership in a specific industry.

All students enrolled in the Associate of Arts in military studies or the Associate of Arts in organizational leadership must fulfill the following Arizona State University requirements to graduate from ASU.

## Credit requirements

A minimum of 60 credit hours is required for graduation with an associate degree. Students should check the program's graduation audit and major map for graduation requirements.

## Grade point requirement

A minimum cumulative grade point average of 2.00 for all courses taken at ASU is required to graduate.

## General Studies requirement

All students enrolled in an associate degree program must satisfy the university required minimum number of approved lower-division General Studies courses. Students should refer to the General Studies [1] page for more information.

Completion of General Studies and composition requirements at a domestic institution accredited by an organization recognized by ASU as certified on the official transcript will fulfill ASU's lower-division General Studies and composition requirements. Certification of completed General Studies may include students' completion of a general education package (ex: AGEC, CSUGE, IGETC), an associate of arts degree or bachelor's degree or comparable, as documented on an official transcript. If students transfer from Arizona community colleges without completing the AGEC or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. Students should review the Arizona General Education Curriculum [2] page.

## Mathematics requirement

All associate degree-seeking students are expected to fulfill the university's mathematics requirement by the time they have accumulated 30 credit hours in residence at ASU. Any student who has more than 30 credit hours and has not fulfilled the mathematics requirement must enroll in a mathematics course or an appropriate prerequisite course and continue to do so every semester until the mathematics requirement is met. A waiver may be granted for continuous enrollment if there are scheduling conflicts detrimental to the student's academic progress.

## First-year composition requirement

All students must meet the university first-year composition requirement through completion of both ENG 101 and ENG 102, or ENG 105 with a grade of "C" (2.00) or higher. Students for whom English is not a native language should complete ENG 107 and 108 with a grade of "C" (2.00) or higher to satisfy this requirement. All incoming students will be placed [3] in ENG 101 or appropriate first-year composition course based on submission of test scores, exam scores or transfer credit.

## Transfer credit

Composition courses transferred from other postsecondary institutions may require evaluation. After consultation with an advisor, if evaluation is necessary, the student should submit a request for evaluation through the ASU Transfer Guide [4]. The process should be completed upon transfer of coursework to ASU so the student is able to enroll in additional courses if required to do so. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

## Resident credit requirement

Resident credit refers to a course completed at ASU in a regular semester or summer session. Credit earned through ASU comprehensive examinations also is included when calculating ASU resident hours. Credit earned through independent learning, Advanced Placement testing, the College-Level Examination Program or an International Baccalaureate exam are excluded when calculating ASU resident hours.

Every candidate for an associate degree is required to earn a minimum of 15 credit hours in resident-credit courses at ASU.

## Transfer credit

Students can review the general transfer credit requirements [5] on the catalog website.

## Application for graduation

Students can review the ASU Graduation [6] website for information on how to apply for graduation and deadline dates.

## Petition for variance from degree

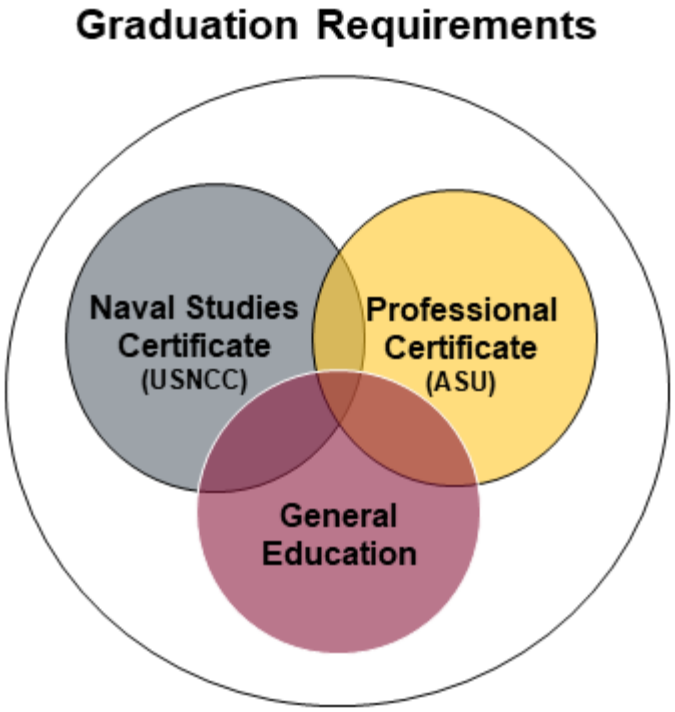
Any student wishing to have a college or university degree requirement variance must petition the standards committee of the college in which the student is enrolled. All petitions must originate with the student's advisor.

The University Undergraduate Standards Committee advises the Office of the University Provost regarding undergraduate student petitions that concern university-wide academic requirements. These requirements include: requirements on the amount of transfer credit, graduation requirements and limits on credit by examination. To petition for a variance from such university requirements, the University Undergraduate Standards Committee petition [7] is used. Most petitions heard by the University Undergraduate Standards Committee start at the college level and are forwarded for final review and decision to the university-level committee.

## Overview of graduation requirements

The associate degrees developed in partnership with USNCC comprise four parts; the Naval Studies certificate courses, the professional certificate courses, general education and university requirements. As illustrated in the graduation requirements diagram below, some courses can fulfill two or more types of requirements but other courses fulfill only one requirement. The total credit hours needed to graduate are represented by the largest circle. The university minimum is 60 credit hours for an associate degree.

Although the three shaded circles in the illustration below are equal in size and the white circle is larger than all three, the total number of credit hours for each type of requirement may vary.




**Naval Studies certificate**
The gray circle represents the naval studies certificate curriculum as taught by the USNCC. These courses transfer to ASU and are applied to the associate degree curriculum as transfer credit.

**Professional certificate**
The yellow circle represents the professional certificate, conferred by ASU in addition to the associate degree at the time of program completion. The certificate requirements are embedded in the associate degree requirements.

Students in the AA program in military studies earn a professional certificate in military studies. Students in the AA program in organizational leadership earn a professional certificate in organizational leadership

**General education**
The red circle represents the general education requirements, comprising both major requirements and ASU General Studies requirements.

## Graduation with academic recognition

Graduation with academic recognition is applicable only to bachelor's degree programs.

## Minors and certificates

Students enrolled in the associate degree in military studies are not permitted to add a minor or additional certificate.

## Admission to a bachelor's degree program

Students admitted to and enrolled in an associate degree program (and accompanying military studies certificate) must apply for admission to ASU [8] to pursue any other degree or credential.

Students enrolled in associate degree programs at ASU are not eligible to change their major.

## Additional policies

Students enrolled in this degree are held to all other ASU and College of Integrative Sciences and Arts [9] policies, including:
Academic Good Standing and Probation [10]
Grades and Grading Policies [11]
Repeating Courses [12]

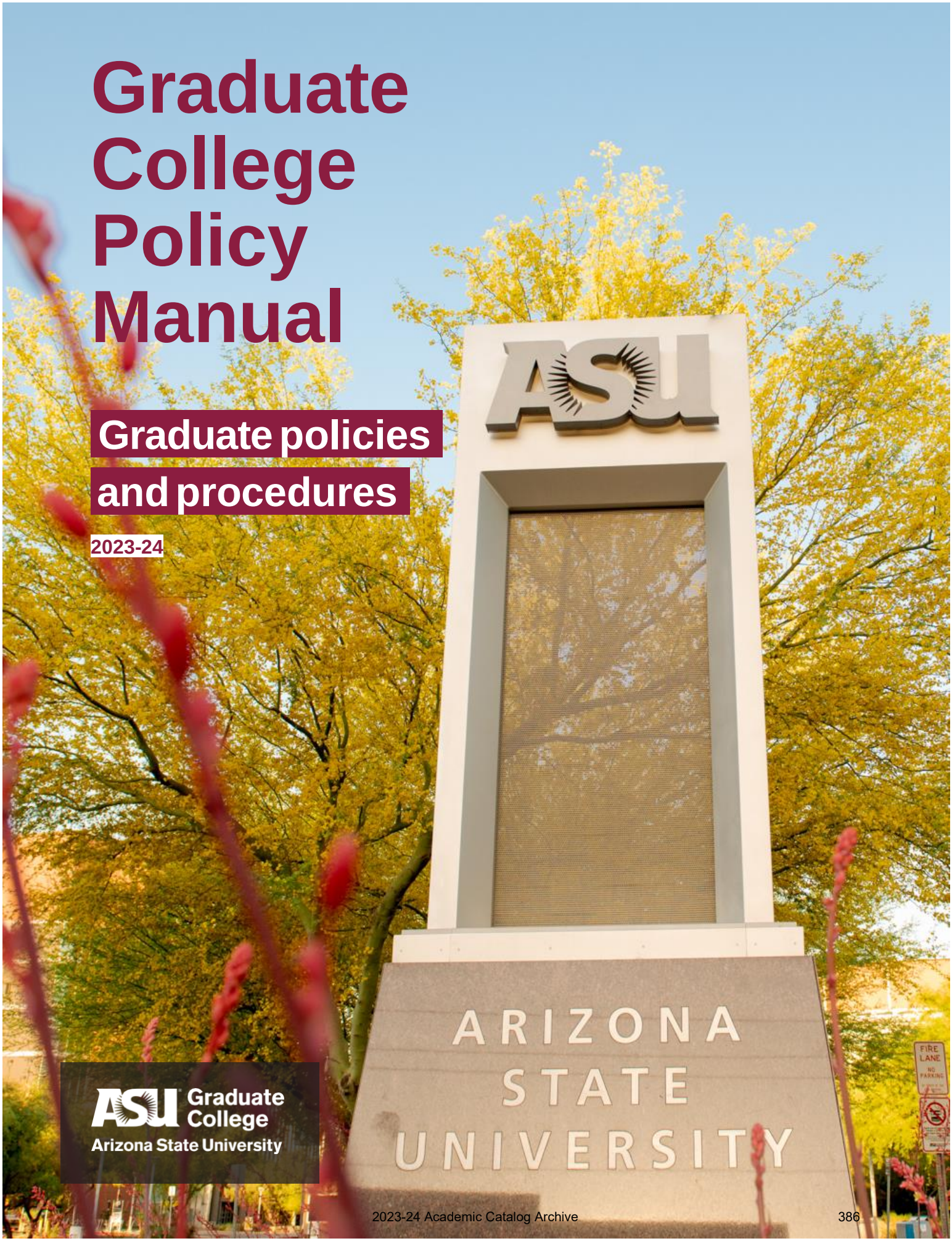
**Source URL:** https://catalog.asu.edu/associatereq

**Links:**
[1] https://catalog.asu.edu/ug_gsr
[2] https://catalog.asu.edu/agec
[3] https://english.asu.edu/admission/first-year-composition-courses/placement-information
[4] https://transferguide.apps.asu.edu/app/home
[5] https://catalog.asu.edu/transfer
[6] https://students.asu.edu/graduation
[7] https://provost.asu.edu/committees/university-undergraduate-standards-committee
[8] https://admission.asu.edu/
[9] https://catalog.asu.edu/policies/sls
[10] https://catalog.asu.edu/retention_standing
[11] https://students.asu.edu/grades
[12] https://students.asu.edu/grades#repeating

# Graduate College Policy Manual

## Graduate policies and procedures

2023-24




ASU Graduate College
Arizona State University

# Arizona State University
# Graduate Policies and Procedures
# for Academic Year 2023-24

## Contents


**Introduction** ..... **5**
- Academic Integrity ..... 5
- Notice of Non-Discrimination ..... 5
- Graduate College Diversity and Anti-Racism Statement ..... 6
- Graduate Student Responsibilities ..... 6
- Communications with the Graduate College ..... 6
- Expressing Concerns and Resolving Conflicts ..... 7
- Graduate and Professional Student Association ..... 7
- Ombudspersons ..... 7

**Application** ..... **8**
- Submission of an Application ..... 8
- Application Deadlines ..... 8
- Application Fee ..... 8
- Application Requirements ..... 8
- Academic Credentials ..... 9
- Additional International Requirements ..... 9
  - International Applicants ..... 9
  - English Language Requirement ..... 10
- Non-Degree Seeking Applicants ..... 11
- After Applying ..... 12

**Admissions** ..... **12**
- Upon Admission ..... 12
- Admission Requirements ..... 12
- Admission Deferrals ..... 12
- International Student Admission ..... 13
- Academic Renewal ..... 13

**Registration and Enrollment** ..... **13**
- Enrollment Verification Guidelines ..... 13
- Enrollment Guidelines for Graduate Students ..... 13

Registration for Students Holding Graduate Appointments ..... 14
Maximum Course Load ..... 14
Continuous Enrollment ..... 14
Leaves of Absence ..... 15
Voluntary Withdrawal from ASU ..... 15
Voluntary Withdrawal for Choosing a New Program ..... 16
Medical/Compassionate Withdrawal ..... 16
**Academic Progress ..... 16**
Satisfactory Academic Progress ..... 16
Grade Point Averages ..... 16
Academic Dismissal by the Graduate College ..... 17
**Graduate Program Requirements ..... 17**
Determination of Academic Requirements ..... 17
Master's Degree Programs ..... 17
Doctoral Degree Programs ..... 18
Interactive Plan of Study (iPOS) ..... 18
Coursework ..... 18
Petitions ..... 19
Pre-Admission Credits ..... 19
Graduate Credits Earned by ASU Undergraduate Students ..... 20
Sandra Day O'Connor College of Law Credit ..... 20
Repeating ASU Courses ..... 20
Graduate Foreign Language Examination (FLE) ..... 21
**Master's Degree ..... 21**
Master's Degree Plan of Study (iPOS) ..... 21
Master's Degree Minimum Credit Hours ..... 21
Master's Degree Maximum Time Limit ..... 21
Master's Degree Supervisory Committee ..... 21
Master's Thesis/Thesis Defense ..... 22
Other Master's Culminating Experiences ..... 22
Master's Comprehensive Examination ..... 22
**Doctor of Philosophy Degree ..... 23**
Doctor of Philosophy (PhD) Degree Interactive Plan of Study (iPOS) ..... 23
PhD Degree Minimum Credit Hours ..... 23
PhD Degree Maximum Time Limit ..... 23
Supervisory Committee ..... 24

Supervisory Committee Roles and Responsibilities ..... 24
PhD Comprehensive Examination ..... 25
PhD Prospectus Defense ..... 26
PhD Candidacy ..... 26
PhD Dissertation/Dissertation Defense ..... 26
**Professional Doctorate Degree ..... 26**
Professional Doctorate Degree Interactive Plan of Study (iPOS) ..... 26
Professional Doctorate Degree Minimum Credit Hours ..... 26
Professional Doctorate Degree Maximum Time Limit ..... 27
Supervisory Committee ..... 27
Professional Doctorate Degree Culminating Events ..... 28
**Other Graduate Educational Opportunities ..... 28**
Graduate Certificates ..... 28
Certificate Admission ..... 28
Certificate Requirements ..... 28
Awarding of a Graduate Certificate ..... 28
Completing Degree Programs Concurrently ..... 29
Pre-approved Concurrent Degree Programs ..... 29
Non-Degree Programs ..... 29
Master's in Passing (MIP) ..... 30
Accelerated Master's Programs ..... 30
**Thesis/Dissertation ..... 30**
Thesis/Dissertation Research ..... 30
Research Involving Human and Animal Subjects ..... 30
Thesis/Dissertation Defense ..... 31
Scheduling and Holding the Defense ..... 31
Passing the Defense ..... 32
Format Review ..... 32
ProQuest ETD Submission ..... 33
**Graduate-level Disestablished Programs ..... 33**
**Degree Conferral ..... 33**
Graduation ..... 33

# Introduction

The Graduate College admits students into programs leading to both professional and research-oriented advanced degrees and certificates beyond the bachelor's degree. The master's and doctoral degrees are awarded to students completing programs that culminate in research and creative endeavors. The doctoral degree is the highest university award, conferred on candidates who have proven their ability as scholars and original researchers.

Students are admitted, therefore, both to their academic programs and to the Graduate College of Arizona State University. This Policy and Procedures Manual outlines those policies and procedures that apply across the board to all graduate students who matriculate at Arizona State University, from application to graduation. Graduate College policies supersede all academic program policies, although units may impose stricter policies. The Graduate College Dean has final authority in matters of Graduate College policy and procedure.

## Academic Integrity

The highest standards of academic integrity and compliance with the university's Student Code of Conduct are expected of all graduate students in academic coursework and research activities. The failure of any graduate student to uphold these standards may result in serious consequences including suspension or expulsion from the university and/or other sanctions as specified in the academic integrity policies of individual colleges as well as the university.

Violations of academic integrity include, but are not limited to: cheating, fabrication of data, tampering, plagiarism, or aiding and/or facilitating such activities. At the graduate level, it is expected that students be familiar with these issues and that students assume personal responsibility in their work. Toward this end, the Graduate College makes available an online Academic Integrity Tutorial, which all newly admitted graduate students are expected to complete within their first semester of coursework. This Tutorial appears under "Priority Tasks" in their My ASU screen.

Additionally, graduate students pursuing research that is funded by external sponsors are responsible for understanding and undertaking the trainings necessary to ensure the responsible conduct of such research. It is very important that students check with their thesis/dissertation advisor well in advance of data collection to ensure compliance with university regulations, and may seek further assistance from the university's Office for Research Integrity Assurance. It is very important that students check with their thesis/dissertation advisor well in advance of data collection to ensure compliance with university regulations regarding the collection of research data. Please see the section of this guide titled "Research Involving Human and Animal Subjects."

## Notice of Non-Discrimination

ASU prohibits all forms of discrimination, harassment and retaliation. To view ASU's policy please see asu.edu/aad/manuals.

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the Title IX Coordinator or to the U.S. Department of Education, Assistant Secretary, or both.

Contact titleixcoordinator@asu.edu or 480-965-0696 for more information. Office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report please go to asu.edu/reportit/.

## Graduate College Diversity and Anti-Racism Statement

As part of the ASU community, the Graduate College upholds, values, and enacts the ASU Charter on behalf of its graduate students and postdoctoral scholars. Our commitment to just and equitable treatment starts with our policies, continues with our processes, and imbues our practices in all we do, from admissions to alumni relations.

That means treating every graduate student and postdoctoral fellow fairly and justly, adopting a holistic approach toward assessing their academic achievement and potential for contributions to their chosen field, whatever their culture or circumstance, and regardless of race, religion, gender, sexual identity and preference, disability status, or socioeconomic background.

It means supporting them, in collaboration with their academic units, along their academic and postdoctoral journeys with targeted mentoring, professional development and networking opportunities. And it means listening deeply to the voices and perspectives of graduate students and postdoctoral scholars on all matters affecting their academic and professional progress, and working together to effect change. Nurturing a culture of inclusive excellence is an ongoing endeavor, by which the actions of each contribute meaningfully to lasting equity for all.

Ensuring inclusivity and the success of those we include means we must also recognize and condemn systemic racism as a reality. We actively fight against both overt and covert racism in all our policies, practices, and initiatives across the college.

Our commitment to anti-racism manifests in our unflinching support for graduate research aimed at uncovering the roots of institutional racism and the routes it takes throughout society, as well as for programs offering just and equitable visions of justice, equity, and success within our own institution, the communities we serve, and the world at large.

We approach anti-racism as an active orientation to institutional transformation and social justice. Toward this end, over the years, the Graduate College has instituted specific actionable measures, initiatives, and impactful reforms to fight racism and racial discrimination in its multiple manifestations in our policies, processes, and practices.

The Graduate College also understands that facing and combatting racism is a lifelong endeavor. We commit to the ongoing evaluation of our progress in the battle against racism, discrimination, and other kinds of prejudice and injustice, with the objective of making our campus more inclusive, inviting, and safe for all members of our community.

Now and in the future, the Graduate College remains committed to the fight against racism. We stand in solidarity as active partners with the historically marginalized members of the communities we serve in realizing a just institution and society where everyone can live in dignity and succeed in their chosen academic and nonacademic endeavors.

## Graduate Student Responsibilities

Graduate students are responsible for familiarizing themselves with all university and graduate policies and procedures. Students should also communicate directly with their academic unit to be clear on expectations for degree completion.

## Communications with the Graduate College

Important information from the Graduate College is provided to students via their My ASU portal, their interactive plan of study (iPOS) and their ASU email account. Students should frequently

check their My ASU account, iPOS and ASU email account for the most up-to-date information regarding their status, holds, items to attend to and other important information. All email communication to the Graduate College must come from the secure ASU email account.

## Expressing Concerns and Resolving Conflicts

Occasionally, it may happen that a student will run into difficulties with a peer, faculty member, or even advisor or supervisor that seem to defy resolution. While every situation is different, we encourage the following steps for reporting issues within and beyond a program or school:

For matters related to sexual harassment, discrimination, and/or retaliation, follow the reporting procedures detailed here: provost.asu.edu/policies/procedures.

For matters that appear to be outside the scope of formal reporting to the Title IX Office or Office of University Rights and Responsibilities, but are nevertheless difficult to resolve and interfere with the student's effective academic progress, we recommend the following:

1) If possible, students should report program-specific issues to the program area head or area coordinator.
2) If this report does not resolve the issue or the student is uncomfortable speaking to the program area head or area coordinator, the student may approach the appropriate graduate administrator in their school (e.g., Director of Graduate Studies).
3) If a student feels that their concern has not been adequately heard or resolved, they may schedule a meeting with the Director of their school.
4) If a student feels that their concern has not been adequately heard or addressed after meeting with individuals in the school, they may report to the appropriate Dean's Office representative.
5) If a student is uncomfortable working through the school procedure for any reason, they may go directly to the Dean's Office representative.

## Graduate and Professional Student Association

The Graduate and Professional Association (GPSA) is the graduate student government for Arizona State University. This student-run organization provides services and resources that facilitate and empower graduate student success in all aspects of academic life, and advocate for students not only on university level but also in all levels of government. For more information about how graduate students can participate in GPSA or how to connect with the Graduate Student Advocacy Committee, visit https://eoss.asu.edu/gpsa.

## Ombudspersons

Designated as impartial fact-finders who can facilitate problem-solving, ombudspersons at the university can help students who are unsure how to resolve their complaints or unsure where to go next. The list of designated ombudspersons is here: provost.asu.edu/committees/ombudspersons-committee.

# Application

## Submission of an Application

For general admission information and procedures, see students.asu.edu/graduate. Applications for all graduate degree programs, certificate programs and/or non-degree seeking students must be submitted via the students.asu.edu/graduate/apply portal.

Prior to applying to the Graduate College, applicants should review information regarding their specific graduate program and academic unit application requirements and deadlines.
Note: Students who are returning to school after an approved Leave of Absence are not required to re-apply, so long as the following applies: they must have a Graduate College- approved Leave of Absence on file with the Graduate College prior to their semester of non- registration, and be re-entering the same graduate program for the semester immediately following the approved request.

## Application Deadlines

Application deadlines are set by the graduate programs. Consult the program website or the Graduate Degree and Certificate Search tool for specific application deadlines.

International students wishing to attend an in-person program must apply to Sessions A or C only (Applications for Session B are not available to international students due to visa requirements).

## Application Fee

Each application to an ASU graduate program must be accompanied by a non-refundable application fee, payable by credit or debit card at the time of submission. The application fee covers Graduate Admission Services' administrative costs of processing all applications and is not refundable under any circumstance.

Applicants receive an email acknowledgement once the application has been successfully submitted. The acknowledgement includes an ASURITE ID and activation code so that students may follow the progress of their application through My ASU. Applicants should review My ASU to monitor their application status, "To Do" items and "Holds".

## Application Requirements

Applicants must submit official transcripts from their bachelors granting post-secondary institution. Additional transcripts may be required. 1. To verify that international credentials are comparable to a U.S. bachelors. 2. If significant coursework used towards the bachelor's degree was completed at another institution. 3. If the applicant intends on transferring coursework into a graduate program. Specific program requirements see degrees.apps.asu.edu/masters-phd. General requirements see admission.asu.edu/graduate/apply.

**Academic units may have admission requirements in addition to those of Graduate Admission Services**. Many graduate programs require scores from a national admissions test such as the Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT) or the Miller Analogies Test. Some programs require a portfolio, letters of recommendation, a statement of goals and/or a resume.

Applicants should consult the academic unit regarding program admission requirements prior to submitting an online application. Programs will submit a recommendation to the Dean of the Graduate College regarding their willingness to admit an applicant.

All documents received by Graduate Admission Services in connection with an application become property of ASU and will not be returned.

## Academic Credentials

Applicants must have earned a bachelor's degree or higher from a regionally accredited institution in the U.S. or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country. Applicants are required to have completed their bachelor's degree prior to the start of their graduate program, and provide proof to ASU that a bachelor's or graduate degree was awarded prior to the second semester of graduate studies at ASU.

If original credentials are issued in a language other than English, applicants must provide the original language transcripts as well as an official and literal translation. Photocopied documents certified by a notary public are not official. For more information regarding official academic credentials see admission.asu.edu/apply/transcripts. For additional information regarding official international academic credentials see admission.asu.edu/apply/international/graduate.

Applicants must have maintained a minimum grade point average of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of undergraduate coursework. Provisional admission is possible to some programs for students whose GPA is below a 3.0 (see the section on Admissions).

Because ASU receives applications from many highly qualified students, some applicants may be denied admission for reasons not related to their academic performance. Examples include, but are not limited to: program capacity, mentor availability and/or program match.

ASU may make an exception to the U.S. equivalent bachelor's requirement for admission to certain preapproved programs. This exception requires specific documentation including, but not limited to: postsecondary education, significant work experience in the discipline and/or a non-U.S. equivalent degree that the college leadership and the ASU Graduate College Dean deems equivalent to the learned skills of a bachelor's in that discipline. For specific program requirements see degrees.apps.asu.edu/masters-phd.

## Additional International Requirements

## International Applicants

Please consult the Graduate Admission Services websites at students.asu.edu/graduate, and students.asu.edu/international/immigration for complete information.
Applicants who will hold an F-1 or J-1 visa must:

1) Meet the regulations of the U.S. Immigration and Customs Enforcement (ICE) agency.
2) Obtain insurance coverage against illness and accidents before being permitted to register for classes. Insurance must be maintained throughout the students' enrollment at the university.
3) Submit proof of English proficiency.
4) Submit additional materials as outlined on the Graduate Admission Services website at students.asu.edu/graduate/apply.

Verify that they have the financial resources to cover their expenses during graduate study at ASU. The Financial Guarantee form. In addition to the **Financial Guarantee** form, if ASU is providing an assistantship, an official offer letter must be sent to the Graduate Admission Services office. Similarly, if a governmental entity is funding the student, an official letter from the government must be submitted to the Graduate Admission Services office in addition to the **Financial Guarantee** form.

The I-20 or the DS-2019 (documents needed to obtain a student visa) is issued only after the completed and properly verified **Financial Guarantee** form, proof of English proficiency and supporting documents have been received by Graduate Admission Services.
International students may enroll at ASU only if they have been admitted to a degree program or the post-baccalaureate teacher education program.

International students must be enrolled in a graduate degree program to enroll in an in-person certificate program.

Applicants residing in the U.S. on a valid visa must provide proof of a current visa. Please email information to gograd@asu.edu.

## English Language Requirement

English proficiency is required for all students that wish to enter an ASU graduate program. There are several ways to meet the English proficiency requirement:

- TOEFL score of at least 66 (PBT) or 80 (iBT). The TOEFL is administered by TOEFL/TSE Services. ASU's institutional code is 4007. ASU accepts only electronic copies of the TOEFL score report. ASU does not accept TOEFL iBT® Home Edition, TOEFL iBT® Paper Edition, or TOEFL Essentials Exams.
- IELTS overall band score of at least 6.5. The IELTS is administered by the University of Cambridge. No institutional code is needed.
- Pearson Test of English (PTE) score of at least 60. The PTE is administered by Pearson.
- Duolingo English Test score of at least 105.

Alternatively, Global Launch provides options for satisfying the ASU English Proficiency requirement with completion of Advanced Level 2. It is recommended that students check with their department first before enrolling to ensure the college which their program resides in will accept one of these options.

**Graduate Options:**

- English for Graduate Admissions and Achievement Online Course.
- Completion of online course with a passing score.
- English Language Program – In-person or Online.
- Complete Advanced Level 2 with passing score.

**Individual academic units may have higher requirements for English proficiency.**
Consult the academic unit's website. English proficiency is only valid for two years and must be taken within two years from the beginning of the semester for which the student applied.

Some applicants are exempt from the English proficiency requirement. The following exceptions must be met exactly to be considered for an exemption:

- Applicants who are U.S. Citizens or U.S. Permanent Residents.
- Applicants who have earned a bachelor's degree or higher from a regionally accredited college/university in the United States.
- Applicants who have earned the equivalent of a U.S. bachelor's degree or higher from an international institution that is officially recognized by that country, and the country is on the ASU English Speaking Country and Territory List (official transcript required).
- Applicants who have earned the equivalent of a U.S. bachelor's degree or higher from an international institution that is officially recognized by that country, and the sole medium of instruction for the program was in English (official transcript required). Student should email gograd@asu.edu to request exemption and include a letter from the institution on letterhead indicating language of instruction or provide information on the institution website to verify language of instruction.
- Applicants who have completed at least 9 semester hours of graduate coursework with a cumulative GPA of 3.0 (on a 4.0 scale) or higher at a regionally accredited college/university in the United States or from an international institution that is officially recognized in that country and is on the ASU English Speaking Country and Territory List (official transcript required).
- Applicants who have completed at least 90 semester hours of undergraduate coursework with a cumulative GPA of 3.0 (on a 4.0 scale) or higher in residence at a regionally accredited college/university in the United States (official transcript required).
- Applicants who have completed ASU Global Launch's English for Graduate Admissions and Achievement Online Course with a passing score.
- Applicants who have completed Advanced Level 2 of ASU Global Launch's English Language Program – either in-person or online with passing scores.
- Applicants who have a U.S. High School Diploma (official transcript required).
- Applicants who are citizens from a country or territory listed on the ASU English Speaking Country and Territory List.

All international applicants from countries where the native language is not English must pass an examination that certifies their skill in speaking English before applying for teaching assistantships. Visit the International Teaching Assistant website at globallaunch.asu.edu/learn-english/other-services/international-teaching-assistant for information on how to fulfill this requirement. Departmental requirements may differ so it is recommended that applicants contact their departments for specific details.

## Non-Degree Seeking Applicants

Applicants who do not immediately intend to pursue a graduate degree may apply as non- degree seeking students at admission.asu.edu/graduate/nondegree. The application process does not require the submission of academic credentials or test scores

Non-degree applicants must have earned a bachelor's degree or higher from a U.S. regionally accredited institution or the equivalent of a U.S. bachelor's or graduate degree from an international institution that is officially recognized by that country.

There is no limit to the total cumulative credit hours students can take as non-degree students. However, to apply the credit hours toward an ASU master's or doctoral degree, students are limited to twelve credit hours taken within three years of admission to the degree program.

Non-degree students may not be eligible to enroll in some classes. Students should check the enrollment requirements before registering and contact the academic unit offering the courses with questions regarding qualification for registration. See Non-Degree Programs in the Section "Other Graduate Educational Opportunities" for more information.

Financial aid is not available to non-degree students.

In-person non-degree study is typically not available to international students on F-1 or J-1 visas. For exceptions, prior to applying, students must contact their Designated School Official (DSO) at the school managing their SEVIS record to inform them that they have applied to take non-degree classes at ASU.

## After Applying

Applicants receive an email acknowledgement once the application has been successfully submitted. The acknowledgement includes an ASURITE ID and activation code so that students may follow the progress of their application through My ASU. Applicants should review My ASU to monitor their application status, “To Do” items and “Holds”.

# Admissions

A minimum grade point average of 3.00 (scale is 4.00 = “A”) in the last 60 semester hours or 90 quarter hours of undergraduate coursework is required to be considered for admission to an ASU graduate degree program.

Academic units submit recommendations regarding admission decisions to Graduate Admission Services, but only the Dean of the Graduate College can make formal offers of admission.

Applicants monitor the status of their application through My ASU. If admitted, the formal letter of admission can be downloaded from My ASU. If denied admission, letters are sent via email to the address on record.

## Upon Admission

Students may apply to programs that are both campus-based immersion programs, as well as online-based digital immersion. However, students have to choose one modality to attend if admitted to both.

## Admission Requirements

Applicants may be admitted with additional admissions requirements and a deadline, as determined by the program of admission. These requirements may include successful completion of specific coursework or minimum grades and/or GPA. Additional admission requirements are outlined in the student admission letter and will appear on the iPOS.

## Admission Deferrals

Students may, with the recommendation of the degree program, defer their initial start semester and year of admission. Requests for deferrals must be submitted by the last day to drop a class for session C for campus immersion students and the last day to drop a class for session B for ASU online students. Students who miss the deferral deadlines have the option to submit a petition for an enrollment exception for the original admit term.

## International Student Admission

International students planning to attend ASU on an F-1 student visa or a J-1 exchange visitor visa must provide documentation required by the United States Citizenship and Immigration Services. Visa documents are only issued for international students enrolled in a degree program or the post baccalaureate teacher education program. There are strict regulations regarding when an I-20 or DS-2019 can be issued. Detailed information may be found at: students.asu.edu/international/immigration.

## Academic Renewal

Academic renewal is a university policy administered to reset the graduate cumulative ASU GPA of a returning ASU graduate student. To request an academic renewal, applicants must have:

- Not previously received an academic renewal; and
- A cumulative ASU GPA below 3.0; and
- Been admitted to a graduate degree program after an absence from ASU of at least five calendar years; and
- Not been previously dismissed from ASU due to Academic Integrity or Student Conduct violations.

Students approved for Academic Renewal must complete all degree requirements after the re-entry. All courses completed before and after the academic renewal remain on the transcript and may be considered when students apply for other graduate programs. To seek an academic renewal, students should seek advising from the intended program of admission.

# Registration and Enrollment

All students enrolled in campus immersion programs are required to have proof of measles immunizations on file with Student Health prior to registration.

Graduate students register through My ASU according to their enrollment appointment. Details regarding registration and course drop/add procedures are provided in the Registration and Tuition Payment Guide.

## Enrollment Verification Guidelines

The University's Registrar's Office will verify student enrollment each semester according to the general guidelines that follow.

## Enrollment Guidelines for Graduate Students

| Term | Full-time | 3/4 time | Half time | Less than half time |
|---|---|---|---|---|
| Fall & Spring | 9+ credits | 7-8 credits | 5-6 credits | 1-4 credits |
| Summer | 3+ credits | N/A | 2 credits | 1 credit |

*Audited courses do not count toward full-time enrollment

**International F-1 and J-1 students are required to maintain full-time enrollment status.** Any exception to full-time enrollment must be previously approved by the International Student and Scholars Center (ISSC).

## Registration for Students Holding Graduate Appointments

Students with Graduate Research or Teaching appointments (RA/TA) must maintain enrollment in a minimum of 6 non-audit credit hours during each Fall and Spring semester appointments, and a minimum of one non-audit credit hour for Summer semester appointments. Academic units may have specific requirements regarding RA/TA appointments; students should consult with their degree program unit. Failure to maintain enrollment in the minimum required hours will result in the termination of their appointment.

Full-time equivalent (FTE) is a unit of measurement used to determine the number of hours students are involved in appointment activities. An FTE of 1.0 is equivalent to 40 hours per week. An FTE of 0.50 or 50% represents an appointment of 20 hours per week and is the maximum graduate appointment allowed by ASU.

RAs and TAs appointed for 50% FTE (20 hour per week) receive a tuition award (reflected as RA/TA Remission on their student account) for 100% of ASU graduate tuition. This appointment also provides premium coverage for ASU individual health insurance if the student elects for health insurance coverage. Please note, if health insurance is needed, students must select that option when registering for classes on My ASU; if they decline, they will be without coverage from the university. The university will not cover premiums for any other insurance plan.

RAs and TAs appointed for 25% FTE (10 hours per week) will receive a partial tuition award (reflected as RA/TA Remission on their student account). Students are responsible for 50% of the Arizona base resident tuition costs. This appointment does not provide premium coverage for ASU individual health insurance.

RA and TA appointments do not cover university mandatory fees, program tuition and/or fees for the academic year or summer sessions; these are the responsibility of the student.

Due to federal regulations, international students may be appointed a maximum of 20 hours per week during fall and spring semesters.

International students may be allowed to work 40 hours per week during summer sessions. International students typically are not allowed to seek employment outside the university and should consult with the International Student and Scholars Center (ISSC) to confirm eligibility.

Detailed information and application procedures regarding Graduate Assistantships can be found at graduate.asu.edu/current-students/funding-opportunities/graduate-appointments-and-assistantships.

## Maximum Course Load

The Graduate College does not have a maximum credit hour enrollment policy. It is expected that academic units will set course loads for their students that facilitate academic success.

## Continuous Enrollment

Once admitted to a graduate degree program or graduate certificate program, students must be registered for a minimum of one graduate-level credit hour during all phases of their graduate education, including the terms in which they were admitted and graduate. This includes periods when students are engaged in research, conducting a doctoral prospectus, working on or defending theses or dissertations, taking comprehensive examinations, taking Graduate Foreign Language Examinations or in any other way utilizing university resources, facilities or faculty time.

Registration for every fall semester and spring semester is required. Summer registration is required for students taking examinations, completing culminating experiences, conducting a doctoral prospectus defense, defending theses or dissertations or graduating from the degree program. Summer registration is also required for students whose first matriculation term is the summer and for those graduating in the summer.

To maintain continuous enrollment, the credit hour(s) must satisfy one or more of the following:

- Appear on the student's Interactive Plan of Study (iPOS).
- Be research (592, 692, 792), thesis (599, 699), dissertation (799), or continuing registration (595, 695, 795).
- Be a graduate-level course.
- Be a 400-level course that is listed on an approved iPOS.
- Be a deficiency course that is listed on the student's admit letter.

Grades of "W" and/or "X" are not considered valid registration for continuous enrollment purposes. "W" grades are received when students officially withdraw from a course after the drop/add period. "X" grades are received for audit courses. All other grades, including "E," "EU" and/or "EN" are considered valid registration for continuous enrollment purposes despite receiving no credit. "E" is a failing grade, "EU" is for failing and did not complete the course, and "EN" is for failing and never participated in the course. Undergraduate courses not included on the iPOS do not satisfy the Graduate College continuous enrollment policy.

Additionally, students completing work for a course in which they received a grade of "I" must maintain continuous enrollment as defined previously. Graduate students have one year to complete work for an incomplete grade; if the work is not complete and the grade changed within one year, the "I" grade becomes permanent and will remain on the students' transcripts. Additional information regarding incomplete grades can be found at asu.edu/aad/manuals.

## Leaves of Absence

Graduate students planning to discontinue registration for a semester or more must submit a Leave of Absence request via their Interactive Plan of Study (iPOS). This request must be submitted and approved *before* the anticipated semester of non-registration. Students may request a maximum of two semesters of leave during their entire program. Having an approved **Leave of Absence** by the Graduate College will enable students to re-enter their program without re-applying to the university.

**Students who do not register for a fall or spring semester without an approved Leave of Absence are considered withdrawn from the university under the assumption that they have decided to discontinue their program.** Students removed for this reason may re-apply for admission to resume their degree program; the application will be considered along with all other new applications to the degree program.

Students with a Graduate College approved **Leave of Absence** are not required to pay tuition and/or fees, but in turn are not permitted to place any demands on university faculty or use any university resources. These resources include university libraries, laboratories, recreation facilities or faculty and staff time.

## Voluntary Withdrawal from ASU

Students who wish to withdraw from their graduate degree or certificate program and the university must complete and submit a Voluntary Withdrawal form. Students must separately complete the appropriate forms with the University Registrar to withdraw from their courses. International

students should contact the International Student and Scholars Center (ISSC) before submitting a **Voluntary Withdrawal** form, as it most likely will affect their visa status.

## Voluntary Withdrawal for Choosing a New Program

Students who wish to discontinue a graduate program should complete and submit a Voluntary Withdrawal form. Students should not take this action until they have been admitted to the other graduate degree program.

## Medical/Compassionate Withdrawal

There are appropriate circumstances when students may need to withdraw from the university (i.e., medical withdrawal, compassionate leave). The policies for such withdrawals are the same for both undergraduate and graduate students. An approved Medical/Compassionate Complete Withdrawal is valid towards meeting the continuous enrollment policy.

# Academic Progress

## Satisfactory Academic Progress

All graduate students are expected to make systematic progress toward completion of their graduate program. This progress includes satisfying the conditions listed below, and achieving the benchmarks and requirements set by the individual graduate programs as well as the Graduate College. If a student fails to satisfy the requirements of their program and/or the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to the Graduate College, at which time the Dean of the Graduate College makes the final determination.

**Satisfactory academic progress includes:**

1) Maintain a minimum 3.00 for all GPAs (see definitions below).
2) Satisfy all requirements of the graduate program.
3) Satisfy the maximum time limit for graduation for the student's graduate program (six years for masters and certificates, ten years for doctoral), see "Time Limit" sections.
4) Successfully pass comprehensive exams, qualifying exams, foreign language exams, and the oral defense of the proposal/prospectus for the thesis or dissertation.
5) Successfully complete the culminating experience.
6) Graduate students must **remain continuously enrolled** in their graduate program. Failing to do so without a Graduate College approved **Leave of Absence** is considered to be lack of academic progress and may result in the Graduate College withdrawing the student from their program. See full **Leave of Absence** rules above.

## Grade Point Averages

Graduate students must maintain a minimum 3.00 (scale is 4.00 = "A") grade point average (GPA) to maintain satisfactory academic progress and to graduate. The minimum 3.00 GPA must be maintained on all GPA's (Plan of Study (iPOS) GPA, Overall Graduate GPA and Cumulative GPA).

The iPOS GPA is calculated on all courses that appear on the student's approved iPOS.

1) The Cumulative GPA represents all courses completed at ASU during the graduate career.
2) The Overall Graduate GPA is based on all courses numbered 500 or higher that appear on the transcript after admission to a graduate program (or graduate non-degree). This

includes shared 500-level coursework taken as part of an approved accelerated bachelor's/master's program.

Transfer credits and some courses taken in the Sandra Day O'Connor College of Law are not calculated on in the iPOS GPA or the Graduate GPA.

Courses lower than a "C" cannot appear on the iPOS but will be included when calculating the Graduate GPA. Courses with an "I" grade cannot appear on the iPOS.

## Academic Dismissal by the Graduate College

Students who do not comply with Graduate College policies for continuous enrollment or satisfactory academic progress may be dismissed from their graduate program after review by the Dean of the Graduate College.

In addition, academic units may recommend dismissal of students from graduate programs for lack of compliance with published departmental policies or lack of satisfactory academic progress. All such recommendations must be submitted to the Graduate College with appropriate documentation (e.g., nature of issue, communications with student). Students may appeal such recommendations at the level of their program, department, and/or college level. When they come to the Graduate College, they will be reviewed for procedural due diligence only. If the Dean of the Graduate College (or the Dean's designee) concurs with the recommendation, the student will receive the official notification of dismissal from the Graduate College. Only the Dean of the Graduate College may dismiss students from a graduate program due to lack of compliance with satisfactory academic progress policies.

Students who have been dismissed from a graduate program due to lack of compliance with published departmental or Graduate College policies, or lack of satisfactory academic progress are eligible to apply for admission to the same program only after one year has passed from the term of the dismissal.

It is important to note that program dismissal is **not** an option for students who have been found in serious violation of ASU's Academic Integrity policies by their unit; they must be recommended either for suspension (for a specified period of time) or expulsion (with no expectation of readmission) to the Provost's office, which has the ultimate authority in matters of suspension and expulsion. Students are afforded a final appeal at the university level in such cases. For further information on policy and procedures, consult the Academic Integrity Student Policy.

# Graduate Program Requirements

## Determination of Academic Requirements

The requirements and policies that students must follow are based on the catalog and manuals for the semester and year of their admission to a graduate program. Students who fail to maintain continuous enrollment and are re-admitted to the graduate program, graduate under the requirements and policies in effect at the time of the new admission date. All programs are required to have program handbooks specifying all program requirements and to make them available to students at the beginning of their degree programs.

## Master's Degree Programs

A minimum of 30 credit hours of graduate-level coursework including a culminating experience is required for a master's degree, although individual programs may have higher requirements. The

culminating experience may be a written comprehensive examination, a capstone course, an applied project, a written portfolio, a thesis or equivalent.

Students who have a capstone or applied project course requirement must receive a grade of “B” or better. Students who fail to achieve a final grade of “B” or better must retake the course and earn a “B” or better to complete the program.

## Doctoral Degree Programs

A minimum of 60 credit hours of graduate-level coursework are required for a professional doctorate degree. A minimum of 84 credit hours of graduate-level coursework and a written comprehensive examination are required for a PhD degree, although individual programs may have higher requirements. Additionally, the Foreign Language Examination, oral comprehensive examination and/or dissertation or equivalent may be required. A written comprehensive examination and prospectus (research proposal) is required for all programs requiring a dissertation.

## Interactive Plan of Study (iPOS)

The Interactive Plan of Study (iPOS) functions as an agreement between the student, the academic unit and the Graduate College. The iPOS contains certain requirements such as coursework, a committee and a culminating experience which must be specified before the final plan of study can be approved. The academic unit’s graduate support staff should be the primary contact for questions regarding iPOS, degree and certificate requirements. The iPOS must be approved by a student’s committee, the head of the academic unit, and the Dean of the Graduate College.

Graduate students are required to complete their iPOS in their first enrolled semester. This requirement will be monitored by the student’s academic unit and is considered critical to satisfactory academic progress.

## Coursework

Graduate-level courses are those numbered 500 or higher. All core courses required by a graduate program must be at least 500-level. A maximum of 6 credit hours of 400-level coursework can be included on an iPOS with program approval. 400-level courses taken prior to admission and 400-level courses graded as “Pass/Fail” are not acceptable. Courses with grades of “D”, “E”, or “W” and audited courses (graded as “X”) cannot be included on an iPOS. **Courses applied to a previously awarded degree cannot be included on an iPOS unless the student is enrolled in an approved course-sharing degree program.**

Any course with a grade of Incomplete (“I”) must be completed within one calendar year of the end of the scheduled course. If a regular grade is not assigned within the calendar year, the “I” becomes permanent. The student will have to re-register for the course to receive credit. For additional information regarding incomplete grades, consult the Student Services Manual.

Graduate students may register to audit one or more courses with the approval of the supervisory committee chair and the consent of the instructor involved. An audited course does not count toward the minimum number of credits required for international students with visa restrictions, students employed as TA/RAs or students receiving financial assistance. Courses taken for audit do not satisfy the Graduate College continuous enrollment policy.

Undergraduate courses not included on the iPOS do not satisfy the Graduate College continuous enrollment policy unless they are notated on the admission letter as a deficiency.

Master's degree students whose culminating experience is a thesis must include 6 (and only 6) credit hours of 599 Thesis on the iPOS. Doctoral students whose culminating experience is a dissertation must include 12 (and only 12) credit hours of 799 Dissertation on the iPOS. Thesis and Dissertation credit hours may only receive grades of "Z" (research is in progress), or "Y" (research is satisfactorily complete). PhD students may apply up to 30 credit hours, sometimes referred to as a blanket 30, of appropriate coursework from a previously awarded master's degree toward their PhD plan of study with approval of their academic unit and the Graduate College. Professional doctorates may apply either up to 15 or up to 30 credit hours of appropriate coursework from a previously awarded master's degree toward their doctoral plan of study with approval of their academic unit and the Graduate College. Students should consult their program handbook for specific rules regarding their professional doctorate.

## Petitions

A formal request for an exception to any Graduate College policy requires a petition to be completed by the student, and must be approved by the committee chair and the head of the academic unit. The Graduate College office will review the petition and make a final determination. Petitions to utilize coursework older than 3 years may result in maximum time limit being adjusted. The Graduate College Dean has final authority in all matters of Graduate College policy.

## Pre-Admission Credits

Credit hours completed at ASU or at another regionally accredited U.S. institution or international institution officially recognized by that country, before the semester and year of admission to an ASU graduate degree program, are considered pre-admission credits. With the approval of the academic unit and the Graduate College, students may include a maximum of 12 graduate-level credit hours with grades of "B" or better that were not used towards a previous degree. Coursework taken while completing another degree awarded at another institution cannot apply to an ASU graduate degree, except for the blanket credit hours of appropriate coursework from a previously awarded master's degree that can be used towards a doctoral degree, or unless enrolled in an approved course-sharing degree program. Pre- admission credits must have been taken within 3 years of admission to the ASU degree or certificate program to be accepted. If coursework older than 3 years from the admission term of a new program is being applied towards the program as pre-admission coursework, the maximum time limit may be updated to reflect the start date of the pre-admission coursework.

Note: All ASU credits used to earn a certificate may also be used towards a graduate degree as part of an approved stackable degree program. The certificate must have been completed within the last three years with grades of "B" or better in applicable coursework.

Accelerated Master's programs may use a maximum of 12 pre-admission credit hours which may be shared between a Bachelor's and Master's program. Students may not exceed the 12- credit hour pre-admission policy. Students in accelerated programs should contact their advisor to ensure proper sharing of credit hours. See "Accelerated Master's Programs" under "Other Graduate Educational Opportunities" for more information.

Official transcripts must be sent to Graduate Admission Services from the records office of the institution where the credits were earned.

Certain types of graduate credits cannot be transferred to ASU, including credits awarded in the following situations:

- By postsecondary institutions that lack candidate status or accreditation by a regional accrediting association, or an equivalent international institution.

- Life experience.
- Courses taken at non-collegiate institutions (e.g., government agencies, corporations, and industrial firms).
- Courses, workshops and seminars offered by other postsecondary institutions as part of continuing education programs.
- Extension courses.

Academic credits earned at institutions other than ASU that base their credit calculation on a different scale from ASU's are subject to conversion before inclusion on the iPOS. In all cases, the inclusion of transfer courses on the iPOS is subject to approval by the academic unit and the Dean of the Graduate College.

## Graduate Credits Earned by ASU Undergraduate Students

ASU students enrolled in an approved Accelerated Master's degree program (formerly referred to as 4+1), may share ASU credit hours. Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours. Accelerated Master's students may earn up to a maximum of 12 graduate credit hours during their undergraduate degree to be used later towards the master's degree.

Reserved Credit - Upon approval by the unit and the Graduate College, undergraduate ASU seniors with at least a 3.0 cumulative GPA may reserve up to 12 graduate-level credit hours (6 credits of which may be 400-level), for possible use towards a future ASU graduate program. Reserved courses must have grades of "B" or better for use in a future graduate program and have been completed within 3 years of enrollment in the graduate program. Courses must be officially reserved in the Degree Audit System (DARS) for eligibility, and may not be used towards any baccalaureate graduation requirement. Students may not exceed the 12-credit hour pre-admission policy.

An undergraduate degree and a graduate degree may not be awarded during the same term of enrollment. Students must apply, be admitted and be registered as graduate students to earn a master's or doctoral degree at ASU. See "Accelerated Master's Programs" under "Other Graduate Educational Opportunities" for more detailed information.

## Sandra Day O'Connor College of Law Credit

The Graduate College accepts a numerical grade of 70 or higher for courses taken in the ASU Sandra Day O'Connor College of Law as part of an approved Plan of Study. These grades are not used in the two GPAs calculated for graduation unless needed, as determined by the Graduate College. The Sandra Day O'Connor College of Law also utilizes a letter grade system for coursework; letter grades are submitted as part of an approved Plan of Study and are calculated in the GPAs.

## Repeating ASU Courses

Graduate students (degree or non-degree) may retake any course at ASU; however, all grades are part of the students' permanent academic record, remain on the transcript and are used in all GPA calculations.

## Graduate Foreign Language Examination (FLE)

Graduate programs may require at least a reading level proficiency of a foreign language relevant to the area of study. Students who are required to demonstrate proficiency in a foreign language must pass the Graduate Foreign Language Examination specific to their particular graduate program. Students must be enrolled for a minimum of one credit hour during the term in which they take the examination.

Students must successfully complete the Foreign Language Examination before taking any required comprehensive examinations or scheduling the final oral defense of the thesis or dissertation. Students may submit a petition to the Graduate College for a re-examination but must pass the examination in no more than three attempts.

# Master's Degree

## Master's Degree Plan of Study (iPOS)

Graduate students are required to complete their iPOS in their first enrolled semester. This requirement will be monitored by their academic unit and is considered critical to satisfactory academic progress. Students are not eligible to schedule a comprehensive examination or defense without an approved iPOS.

## Master's Degree Minimum Credit Hours

A minimum of 30 credit hours of graduate work is required for a master's degree at ASU. If a thesis is required, 6 (and only 6) of the minimum required credit hours on an iPOS must be 599 Thesis credits. Interactive Plans of Study submitted for master's degrees that do not have a thesis requirement cannot include 599 Thesis credits. If an applied project is required, the Applied Project course (XXX 593) must be included on the iPOS and requires a grade of "B" or better.

## Master's Degree Maximum Time Limit

All work toward a master's degree must be completed within six consecutive years. The six years begin with the semester and year of admission to the program. Graduate courses taken prior to admission that are included on the iPOS must have been completed within three years of the semester and year of admission to the program. If coursework completed over 3 years ago is being applied towards a degree program as pre-admission coursework, the maximum time limit may be updated to reflect the start date of the pre-admission coursework.

Any exception to the time limit policy must be approved by the supervisory committee, the head of the academic unit and the Dean of the Graduate College. The Graduate College may withdraw students who are unable to complete all degree requirements and graduate within the allowed maximum time limits.

## Master's Degree Supervisory Committee

A master's supervisory committee must be appointed before the student may apply for the comprehensive examination or before the student can register for 599 Thesis credits (if applicable). The committee is appointed by the Dean of the Graduate College upon the recommendation of the head of the academic unit. For programs requiring a thesis or written examination, the supervisory committee comprises a minimum of three members, including a chair or two co-chairs. At a minimum, the Chair or Co-Chair of the committee is required to be ASU faculty or an approved faculty affiliate.

Tenured/tenure-track faculty may serve as members of a master's graduate supervisory committee, chair or co-chair. The chair of the committee is typically from the student's degree program and should be carefully selected by the student to guide their work.

## Master's Thesis/Thesis Defense

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress") prior to scheduling a defense. See the Supervisory Committee section and the Thesis/Dissertation section below for more information.

## Other Master's Culminating Experiences

A written comprehensive examination, capstone course, applied project or written portfolio is required as a culminating experience in master's programs that do not have a thesis requirement. The Graduate College office requires a written component to the comprehensive examination; academic units may also require an oral component. Students must have an approved iPOS prior to scheduling their comprehensive examination and/or registering for their applied project or capstone course. An applied project requires registration in the Applied Projects course (XXX 593) and requires a grade of "B" or better. A capstone course requires a grade of "B" or better.

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress") in the semester of the culminating experience.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they complete their culminating experience.

## Master's Comprehensive Examination

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress") prior to taking master's comprehensive examinations. Foreign language requirements, if applicable, must be fulfilled before taking the comprehensive examinations.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they take their comprehensive examinations. If the date of defense falls between semesters, the student is required to register for the next available semester.

The master's comprehensive examination must have a written component; however, individual master's degree programs may require an additional oral component of the comprehensive exam for all of their students based on the academic progress policy of the program.

Students must schedule the comprehensive examination with their academic unit. All comprehensive examination results must be reported to the Graduate College office via the students' iPOS immediately upon completion.

Failing the comprehensive examination(s) is considered final unless the supervisory committee and the head of the academic unit recommend, and the Dean of the Graduate College approves, a re-examination. **Only one re-examination is permitted.** A petition with substantial justification for re-examination, endorsed by the members of the students' supervisory committee and the head of the academic unit, must be approved by the Dean of the Graduate College before students can take the examination a second time.

Re-examination may be administered on a timeline recommended by the committee chair and made in consultation with the committee, which should be no later than 12 months from the date of the original examination. The Graduate College office may dismiss a student from the degree program if the student's petition for re-examination is not approved, or if the student fails to successfully pass the retake of the comprehensive examination(s).

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit.

Students who have received a final result of failure in the comprehensive examination will be recommended for dismissal by the academic unit.

# Doctor of Philosophy Degree

## Doctor of Philosophy (PhD) Degree Interactive Plan of Study (iPOS)

Graduate students are required to complete their iPOS in their first enrolled semester. This requirement will be monitored by their academic unit and is considered critical to satisfactory academic progress.

Students are not eligible to apply for the Foreign Language Examination (if applicable), comprehensive examinations, dissertation proposal/prospectus or dissertation defense (if applicable) without an approved iPOS.

## PhD Degree Minimum Credit Hours

A minimum of 84 credit hours of graduate work is required for a PhD degree at ASU. If a dissertation is required, 12 (and only 12) of the minimum required credit hours on the iPOS must be 799 Dissertation credits. Interactive Plans of Study submitted for PhD degrees that do not have a dissertation requirement cannot include 799 Dissertation credits. Students may apply up to 30 credit hours from a previously awarded master's degree toward their PhD iPOS with approval of the program and supervisory committee and the Dean of the Graduate College. The credit hours must be from a regionally accredited or internationally recognized institution.

## PhD Degree Maximum Time Limit

PhD students must complete all program requirements within a ten-year period. The ten-year period begins with the semester and year of admission to the PhD program. Graduate courses taken prior to admission that are included on the iPOS must have been completed within three years of the semester and year of admission to the program (previously awarded master's degrees used on the Interactive Plan of Study are exempt). If older coursework is being applied towards a degree program as pre-admission coursework, the maximum time limit may be updated to reflect the start date of the pre-admission coursework.

Any exception to the time limit policy must be approved by the supervisory committee, the head of the academic unit and the Dean of the Graduate College. The Graduate College may withdraw students who are unable to complete all degree requirements and graduate within the allowed maximum time limits.

## Supervisory Committee

Students are guided by faculty mentors who advise them through their degree program. Students should identify their advisors early in their graduate career and look to them for guidance in their graduate work. Once students have selected a supervisory committee, the head of the academic unit recommends the supervisory committee to the Dean of the Graduate College who reviews and appoints the committee. Graduate supervisory committees must consist of a minimum of three individuals, including a chair or two co-chairs.

PhD programs may have additional requirements for committee composition. This committee serves as the intellectual guide for students and must approve the research/scholarly focus and substance of the dissertation. The members of the dissertation committee have the necessary knowledge and skills to advise the student during the formulation of the research topic and during the completion of the research and the dissertation.

Dissertation chairs and co-chairs must be approved by the Dean of the Graduate College and each degree program maintains a list of faculty members approved by the office for the Graduate College. Most resident faculty at ASU may serve on dissertation committees with the proviso that they have appropriate expertise in the discipline. At a minimum, the Chair or Co- Chair of the committee is required to be ASU or approved ASU-affiliate faculty.

All PhD programs have a Graduate Faculty. The Graduate Faculty in a PhD program may also include highly qualified individuals from outside the university who have been approved to serve on committees. Each PhD program maintains a list of faculty members approved by the Graduate College to chair or co-chair PhD dissertations. Additional information regarding ASU Graduate Faculty can be found at graduate faculty guidelines.

Doctoral students (including PhD, DMA, DPP, DBH, DNP, DBA, AuD and EdD) are urged to communicate with their academic unit to confirm eligibility of faculty to chair doctorate committees early on in the planning of their dissertation projects.

Academic programs will provide guidance to students for securing the supervisory committee. The final committee membership must be appointed by the Dean of the Graduate College before the student may apply for comprehensive examinations, defend the dissertation prospectus, and register for 799 Dissertation course credits (if applicable).

## Supervisory Committee Roles and Responsibilities

The chair or supervisor is principally responsible for directing student work and facilitating the work of the committee. Typically, this involves working with the student to develop the overall approach to and plan of work for the project, including its timeframe and budget; providing initial review and guidance for the proposal and chapter drafts; reviewing and approving all subsequent drafts; helping to reconcile the comments of committee members on those drafts; ensuring the document meets ASU format and publication standards; and facilitating the defense and final revisions, as necessary.

The other members of the committee are responsible for providing additional research guidance according to their expertise; providing detailed feedback on prospectus and thesis/dissertation drafts; working with the student and the chair to reconcile differing comments; attending the defense; and reviewing any final revisions required.

The student is responsible for coordinating prospectus and thesis/dissertation defense meeting times and places; for providing all materials requested/approved by the chair to be distributed to

committee members; and for communicating with committee members about review timeframes in order to meet all Graduate College deadlines.

On the occasion that committee members must be replaced, students may do so with the approval of their chairs via an iPOS petition to the Graduate College. In instances where the chair must be replaced, or if a complete committee reconstitution must occur, students are advised to consult with the director of the graduate program and/or school leadership for assistance. The Dean would need to appoint a qualified designee to serve as a replacement for a Chair.

## PhD Comprehensive Examination

Students must be in good academic standing regarding GPA requirements (see previous section titled “Satisfactory Academic Progress”) prior to taking PhD comprehensive examinations.

When students have essentially completed the coursework on an approved iPOS, they must request permission to take the PhD comprehensive examination. The PhD comprehensive examination must have a written component; however individual PhD programs may require an additional subsequent oral component of the comprehensive exam for all of their students based on the academic progress policy of the program. These examination(s) are designed to assess students’ mastery of the field of specialization.

PhD comprehensive examination(s) are administered by a committee consisting of a minimum of three members. Specific professional doctorate programs may not require a written or comprehensive exam.

Foreign language requirements, if applicable, must be satisfied before taking the comprehensive examination(s).

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they take their comprehensive examinations. If the date of defense falls between semesters, the student is required to register for the next available semester.

Students must schedule the comprehensive examination with their academic unit. All comprehensive examination results must be reported to the Graduate College office via the students’ iPOS immediately upon completion.

Failing the comprehensive examination(s) is considered final unless the supervisory committee and the head of the academic unit recommend, and the Dean of the Graduate College approves, a re-examination. **Only one re-examination is permitted.** A petition with substantial justification for re-examination, endorsed by the members of the students’ supervisory committee and the head of the academic unit, must be approved by the Dean of the Graduate College before students can take the examination a second time.

Re-examination may be administered on a timeline recommended by the committee chair and made in consultation with the committee, which should be no later than 12 months from the date of the original examination. The Graduate College may dismiss a student from the degree program if the student’s petition for re-examination is not approved, or if the student fails to successfully pass the retake of the comprehensive examination(s).

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit.

Students who have received a final result of failure in the comprehensive examination will be recommended for dismissal by the Academic Unit.

## PhD Prospectus Defense

All students in programs that require a dissertation are required to conduct a dissertation proposal/prospectus defense. Results of the defense are submitted via the student's iPOS. Failure of the proposal/prospectus oral defense is considered final unless the supervisory committee and the head of the academic unit recommend, and the Dean of the Graduate College approves, a second proposal defense. If a second defense is approved, students must submit the new prospectus by the end of six months (beginning from the date that the first PhD dissertation proposal defense was held). If the academic unit does not grant the students permission to retake the proposal defense, or if the students fail to pass the retake of the proposal defense, the Graduate College may dismiss the students from the degree program.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they conduct their PhD prospectus.

## PhD Candidacy

PhD students (with specific degree program exceptions approved by the Dean of the Graduate College) achieve candidacy status upon the successful completion of the comprehensive examination(s), the Foreign Language Examination (if applicable), and successfully defending the dissertation prospectus (if applicable). PhD students who have been advanced to candidacy are required to maintain continuous enrollment until all degree requirements have been completed and they have graduated.

## PhD Dissertation/Dissertation Defense

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress") prior to scheduling the defense. Also see "Thesis/Dissertation Consideration" section for more information.

# Professional Doctorate Degree

## Professional Doctorate Degree Interactive Plan of Study (iPOS)

Graduate students are required to complete their iPOS in their first enrolled semester. This requirement will be monitored by their academic unit and is considered critical to satisfactory academic progress.

Students are not eligible to apply for the following, if applicable, without an approved iPOS: Foreign Language Examination, comprehensive examinations, dissertation proposal/prospectus or dissertation defense, applied project or capstone.

## Professional Doctorate Degree Minimum Credit Hours

A minimum of 60 credit hours of graduate work is required for a professional doctorate degree at ASU. If a dissertation is required, 12 (and only 12) of the minimum required credit hours on the iPOS must be 799 Dissertation credits. Interactive Plans of Study submitted for professional

doctorate degrees that do not have a dissertation requirement cannot include 799 Dissertation credits. With approval of the program and supervisory committee and the Dean of the Graduate College, students may apply up to 15 credit hours from a previously awarded master's degree towards the iPOS for professional doctorate programs requiring less than 84 credits. Students may apply up to 30 credit hours from a previously awarded master's degree towards the iPOS for professional doctorate programs requiring 84 credits. The credit hours must be from a regionally accredited or internationally recognized institution.

## Professional Doctorate Degree Maximum Time Limit

Professional doctorate students must complete all program requirements within a ten-year period. The ten-year period begins with the semester and year of admission to the professional doctorate program. Graduate courses taken prior to admission that are included on the iPOS must have been completed within three years of the semester and year of admission to the program (previously awarded master's degrees used on the Interactive Plan of Study are exempt). If older coursework is being applied towards a degree program as pre-admission coursework, the maximum time limit may be updated to reflect the start date of the preadmission coursework.

Any exception to the time limit policy must be approved by the supervisory committee, the head of the academic unit and the Dean of the Graduate College. The Graduate College may withdraw students who are unable to complete all degree requirements and graduate within the allowed maximum time limits.

## Supervisory Committee

Students are guided by faculty mentors who advise them through their degree program. Students should identify their advisors early in their graduate career and look to them for guidance in their graduate work. Once students have selected a supervisory committee, the head of the academic unit recommends the supervisory committee to the Dean of the Graduate College who reviews and appoints the Committee.

ASU offers professional doctorate degrees that require a dissertation and some that do not. Professional doctorate programs that require a dissertation must follow the same committee guidelines as PhD programs. Professional doctorate programs that do not require a dissertation may have different requirements for committee composition, including the minimum number of committee members. All professional doctorate programs require an approved faculty committee.

Like PhD programs, all Chairs and co-chairs must be approved by the Dean of the Graduate College and each degree program maintains a list of faculty members approved by the office for the Graduate College. Most resident faculty at ASU may serve on committees with the proviso that they have appropriate expertise in the discipline. At a minimum, the Chair or Co- Chair of the committee is required to be ASU or approved ASU-affiliate faculty.

All doctoral-level students (including PhD, DMA, DPP, DBH, DNP, DBA, AuD and EdD) are urged to communicate with their academic unit to confirm eligibility of faculty to chair their committees early on in the planning of their culminating experience.

The final committee membership must be appointed by the Dean of the Graduate College before the student may apply for, if applicable, comprehensive examinations, dissertation proposal/prospectus or dissertation defense, or register for culminating event course credits. Standard supervisory committee roles and responsibilities apply to professional doctorate committees.

## Professional Doctorate Degree Culminating Events

Professional doctorate degrees that require a dissertation follow all standard policies regarding the comprehensive exams, prospectus, defense, and dissertation. Specific professional doctorate degree programs may not require a dissertation, but may still require a written or oral comprehensive exam. For professional doctorate programs that require comprehensive exams, students must follow the same standards for comprehensive exams for PhD students.

Instead of a dissertation, some professional doctorate programs may require a culminating event of an independent applied project or a capstone course, both of which require a written component and a final grade of B or better. Specific academic programs may also require an oral presentation or poster session as a component of these culminating event options. The written component, oral presentation, and poster sessions do not follow the same requirements as outlined by the Graduate College for the standard PhD defense and format process.

All students are required to register for at least one semester hour of graduate level credit during the fall, spring or summer session in which they conduct their culminating event.

# Other Graduate Educational Opportunities

## Graduate Certificates

The graduate certificate is a programmatic series of linked courses. Graduate certificates facilitate professional growth for people who already hold the baccalaureate degree. For more information on current graduate certificates see the Graduate Degree and Certificate Search tool.

## Certificate Admission

All applications for graduate certificate programs must be submitted through asu.edu/gradapp.

## Certificate Requirements

A minimum of 15 semester hours of graduate work is required to complete a graduate certificate. No more than 20% of the minimum required credit hours for a graduate certificate may be transferred from another university. All transfer work must meet the Graduate College transfer policies. All coursework used to complete an ASU graduate certificate must be completed within a six-year time limit. Courses at a 400-level may be allowed with prior approval from the appropriate certificate program; however, a minimum of two-thirds of the courses taken to complete the certificate must be at the 500-level or above.

No more than 40% of coursework towards the requirements of a graduate certificate can be completed prior to admission to the certificate program. Following standard pre-admission policies, all ASU credit hours earned in a certificate program may also be used towards a degree program and credits earned in a degree program may also be used towards a certificate. Students completing two certificates may share up to 20% of the minimum required credit hours for the certificates.

## Awarding of a Graduate Certificate

Students will be eligible for the official posting of the graduate certificate to their transcripts when all applicable coursework has been successfully completed and Graduate College requirements have

been met (including a 3.0 minimum iPOS, Graduate and Cumulative GPA). Students must submit an approved Interactive Plan of Study, and apply for graduation in order to complete the certificate program.

## Completing Degree Programs Concurrently

Students may pursue concurrent degrees, provided the degree programs are graduate level and in different academic areas, with prior written approval from the head of the academic unit for each degree program and the Graduate College. A separate online application is required for each degree program, except in the case of predefined concurrent programs. For concurrent master's programs, a maximum of 20% of the minimum total credit hours for the completion of both degrees may be shared. For concurrent programs that include a doctoral program, a maximum of 12 credit hours may be shared. The total number of credit hours common to both degree programs may vary from this maximum value only when the Graduate College has formally approved coordinated degree programs.

Coursework common to both programs must constitute a well-planned and meaningful part of each of the programs and may only include coursework completed after admission to both degree programs. In all cases, the guidelines below must be followed:

1) Students must maintain continuous enrollment as previously defined. Registration in both programs *may* be required each semester. Please see the academic unit for specific satisfactory academic progress and program rules. Students may request a leave of absence to maintain continuous enrollment, but a separate request must be submitted for each program. Students may not be registered for coursework for either program while on a leave of absence.
2) Graduate credit transferred from another institution may be applied toward only one of the degree programs.
3) Culminating experiences (e.g. capstone courses, theses, applied projects) and comprehensive examinations cannot be shared between concurrent programs.
4) The 15 to 30 blanket hours allowed for doctoral programs from a previously awarded master's degree may only be applied to one of the doctoral programs.
5) The maximum time limit for completing degree requirements and graduation apply to each concurrent degree individually (6 years for master's; 10 years for doctoral).

## Pre-approved Concurrent Degree Programs

The Graduate College has formally approved coordinated concurrent degree programs that students can pursue. These programs have specific set shared hours approved in their proposals. Units should refer to these to review the proper shared credit hours and other applicable policies.

## Non-Degree Programs

Continuous enrollment is not required for students admitted as non-degree seeking. Students should check the enrollment requirements for courses before registering and contact the academic unit offering the course regarding registration questions. Non-degree seeking students who decide to apply to a degree program may be allowed to apply up to 12 applicable credit hours taken within three years of admission to the degree program. Students should seek advising from the intended program for applicable course options.

## Master's in Passing (MIP)

Where there is an approved Master's in Passing (MIP) program in place for a doctoral degree, those doctoral students who complete the requirements of the approved MIP may be awarded the related master's degree. Students should check with their doctoral program to see if there is an approved MIP for their degree. Students with an existing master's degree with the same major are not eligible.

Students who include any blanket hours from a previously awarded master's degree on their doctoral Interactive Plan of Study are not eligible for a Master's in Passing. All coursework included in an MIP Interactive Plan of Study must have been completed after the semester and year of admission to the doctoral program.

## Accelerated Master's Programs

ASU allows for the simultaneous pursuit of an undergraduate and graduate degree in certain pre-approved programs. In such cases, the program must be approved by the Dean of the Graduate College. Undergraduate students must meet the unit's criteria for approval to pursue their accelerated program and be granted consent to complete up to 12 credits of graduate coursework.

Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours. Students may not share any credit hours taken as an undergraduate student unless they are participating in an approved accelerated program pairing (Bachelor's/Master's). Students must meet minimum admissions standards to be admitted to the Master's portion of the accelerated program.

# Thesis/Dissertation

## Thesis/Dissertation Research

The master's thesis and doctoral dissertation (or equivalent) must be based on original and independent research/creative activity conducted by students, under the guidance of the graduate supervisory committee. The thesis is an introduction to scholarly writing and is intended to create an understanding of theory and methods applicable to one's field. The dissertation should demonstrate the candidates' mastery of research and scholarly methodologies, theory and tools of the discipline. Both the thesis and dissertation should demonstrate the candidates' ability to address a major intellectual problem and to propose meaningful questions and hypotheses, as well as utilize the methods with which to study the proposed research question(s) and related hypotheses, and draw justifiable conclusions based on the research conducted.

The written doctoral dissertation is based on original and substantial scholarly work that constitutes a significant contribution to knowledge in the student's discipline. The dissertation research must be conducted during the time of the student's doctoral studies at ASU, under guidance of ASU Graduate Faculty and in accordance with Graduate College policies and procedures. The composition of the dissertation is defined by the degree program with the approval of the Dean of the Graduate College.

## Research Involving Human and Animal Subjects

Theses or dissertations that make use of research involving human or animal subjects must include a statement indicating that the research has been approved by the appropriate university body.

Research involving human subjects conducted under the auspices of Arizona State University is reviewed by the University Human Subjects Institutional Review Board (IRB) in compliance with federal regulations. Documents containing any data collection from human subjects require that applications be submitted to the ASU Office of Research Integrity and Assurance for approval **before** data collection or recruitment of subjects is initiated at researchintegrity.asu.edu/human-subjects.

Research involving the use of animals conducted under the auspices of Arizona State University is reviewed by the Institutional Animal Care and Use Committee (IACUC) in compliance with federal regulations. Documents containing any data collection from animal research require that applications be submitted to ASU Office of Research Integrity and Assurance for approval at researchintegrity.asu.edu/animals.

It is very important that students check with their supervisory committee or chair well in advance of data collection to ensure compliance with university regulations regarding the collection of research data. Students who are required to submit their document through Graduate College format review must attach the IRB (or IACUC) approval as an appendix to their document.

## Thesis/Dissertation Defense

Thesis and dissertation defenses are open to all members of the university community and the general public. The oral defense engages the supervisory committee and the candidate in a critical and analytical discussion of the research and findings of the study, as well as a review of the contribution of the research topic to advancing knowledge in that discipline. The presentation of a thesis or dissertation defense in an open forum fosters a broader awareness of the state of graduate research at ASU, promotes a wider scholarly dialogue among disciplines, and recognizes publicly the scholarly contributions of master's or doctoral candidates. The defense information will be published on the Graduate College Master's/Doctoral Defense Schedule website.

## Scheduling and Holding the Defense

Students with a thesis or dissertation as a culminating event are required to present and defend it in a public oral examination and to the satisfaction of the supervisory committee. Students must schedule the defense in the iPOS at least 10 business days prior to the planned defense and have it approved by the program and the Graduate College. See Graduation Deadlines.

Students work with their supervisory committee and the academic unit's graduate support staff to identify a suitable date and reserve a room (for in-person defenses). Defenses that are held without being scheduled with the Graduate College are considered invalid.

Students must be registered for:

- At least one semester hour of credit that appears on the Interactive Plan of Study; OR
- At least one semester hour of appropriate graduate-level credit, for example: Research (592/792), Thesis (599/799), or Continuing Registration (595 or 795)

Students must be physically present at the oral defense of their thesis, dissertation or equivalent document unless the student is in an online program that requires a thesis/dissertation and the defense was approved by the committee and the Graduate College. It is expected that oral defenses will be held on an ASU campus (for in-person defenses) and during regular business hours (8 a.m. to 5 p.m. AZ Mountain Standard Time) in order to facilitate student, faculty, and public accessibility. A student has the option to include a virtual link to encourage audience attendance. When there are sound educational reasons for holding a defense under different circumstances, contact the Graduate College for approval before scheduling the defense.

All members of a student's supervisory committee must attend the final oral defense of a thesis or dissertation. However, there are situations (e.g. faculty travel, faculty emergencies and/or faculty leave) that may necessitate holding a defense with one or more committee member(s) absent. The committee chair must be in attendance, but if a committee member cannot attend, a qualified substitute must be appointed to attend in their place. The substitute should be a regular faculty member within the academic unit. In these circumstances, the Graduate College must be notified with the name of the member who will be absent, the faculty member who will attend as a substitute, and the student's name and ID number. This information must be submitted **before** the defense.

Once a defense has been scheduled and approved in the iPOS, students must submit within 10 days, a complete draft copy of the thesis/dissertation to be defended by uploading the document to their Interactive Plan of Study.

## Passing the Defense

At the completion of the defense, faculty will determine if the student has passed or failed the defense, or if the submitted document requires revisions. The preliminary defense results must be submitted by all committee members via the defense results tab in the iPOS within 10 days after the defense occurrence. If there are revisions required by the committee, they will need to be completed and approved by the committee before a full "Pass" can be designated in the iPOS. If the committee's requested revisions are not completed by the graduation deadlines for the semester of the defense, the student will need to maintain continuous enrollment until they are completed. If they are not successfully completed within one year of the defense, re- submission of the document and a re-defense of the thesis or dissertation may be required in order to ensure currency of the research.

## Format Review

Students who are required to complete a thesis or dissertation as part of their graduate program must submit their document to the Graduate College for format review. Students must use the Format Manual to prepare their thesis/dissertation. The Format Manual is a comprehensive guide to formatting a thesis, dissertation or equivalent document and it always overrides a style guide if the two conflict. Questions regarding the *Format Manual* requirements should be directed to gradformat@asu.edu.

Use of the Graduate College's Format Wizard is required for all students going through the format process. The Format Wizard generates a template into which students can insert their document's text. It is designed to help students with the basic format requirements such as margins and spacing, and greatly improves the format review process for students.

Format revisions are typical and must be completed in a timely manner. If students are unable to complete format revisions and submit to UMI/ProQuest by the deadline for the semester in which the defense is held, they must complete the revisions, remain continuously enrolled and present the final document to UMI/ProQuest within one year of the defense. Failure to do so will require the re-submission of the document for format review and may result in re-defense of the thesis or dissertation to ensure currency of the research.

All students that have a culminating event document that requires format review are also required to complete the Design Aspirations tab within the iPOS. In addition, all PhD students are required to complete the Survey of Earned Doctorates (SED) as part of the format process.

## ProQuest ETD Submission

ProQuest ETD requires all students to submit a PDF version of their final culminating event document. Students are required to create a new user account specific to the submission of their document, and must use their ASU email address. The Graduate College requires that the PDF document follow the formatting standards presented in the format manual. Students will receive final format approval only after the submitted PDF document has successfully passed a format review. Students are able to order bound copies of their document for themselves through ProQuest ETD. The final document will also appear archived in the ASU Digital Repository: https://repository.asu.edu.

# Graduate-level Disestablished Programs

A disestablished graduate program is a graduate certificate, master's, or doctoral program that the institution has chosen to discontinue. Upon effective term and year of disestablishment, ASU may choose to stop admitting new students into the program. This includes students seeking to change into the disestablished program or pursue it concurrently with another program. Active students in a disestablished program will have the option to continue to pursue the program provided continuous enrollment, and satisfactory academic progress policies are followed, including maximum time limits which are 6 years for masters and certificates, and 10 years for doctoral programs. Students that are discontinued from the program for any reason are not eligible to re-enroll in the disestablished program. Students that return and are in good academic standing will be required to choose a new program that is accepting applications. Students may have the option to choose a new program under the guidance of leadership from their discontinued graduate program.

# Degree Conferral

## Graduation

Students must apply for graduation through My ASU in accordance with the University Registrar policies. See Application for Graduation. Students must meet all University and Graduate College degree requirements prior to the conferral of their degree or awarding of their certificate, including achieving a 3.0 GPA in the graduate GPA, the iPOS GPA, and the cumulative GPA. Students must continue to be registered until all degree requirements have been met. All students seeking a degree or certificate must apply for graduation.

The graduation deadlines and procedures are set by the Graduate College and are available online at graduation deadlines. Deadline dates vary slightly depending on the calendar year, so students should check them carefully in advance of the semester they plan to defend their thesis/dissertation. It is very important that students become familiar with these deadlines so that graduation can occur during the expected term.

# College Policies

## W. P. Carey School of Business policies

The W. P. Carey School of Business [1] is one of the largest and highest-ranked business schools in the country, repeatedly lauded by publications such as The Wall Street Journal, Financial Times, The Princeton Review and U.S. News & World Report. The school is internationally regarded for its leadership in business education, research productivity and distinguished faculty that includes a Nobel Prize winner. Students come from all over the world, and among them are dozens of National Merit Scholars.

The school's academic choices are as diverse as they are abundant. Undergraduates can earn a BS in one of nine business disciplines or a BA that combines core business classes with a concentration outside the Business school. Its programs of study reflect and respond to the demands of business and industry today and beyond, and the school has dedicated career placement services. The school is located in the heart of the fast-growing Phoenix metropolitan area, which provides opportunities for internships, employment and networking, and its classes are offered on ASU's Tempe, Polytechnic and West campuses as well as online.

### Academic integrity

#### Academic dishonesty

The faculty of the W. P. Carey School of Business follow the guidelines on academic dishonesty in the ASU Student Academic Integrity Policy [2].

The W. P. Carey School of Business honor code may be found online [3]. Additional resources and information may be found at the W. P. Carey Academic Integrity [4] website.

### Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment, and Retaliation [5].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [6], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [7] website.

### Undergraduate policies

#### Academic standing

##### Academic warning

A new student is placed on academic warning when their ASU cumulative GPA falls below 2.00 at the end of their first fall or spring semester after grades are posted. Students on academic warning must meet with an academic advisor to discuss a plan for getting back into good standing and complete the following tasks:

- Download and read through the Academic Warning Information Packet [8].
- Complete the Canvas course WPC Rising Scholars. Advising holds will not be removed until this course is completed.
- Schedule an advising appointment through Advising SOS [9].
- Complete the optional survey [8] if there is anything the advisor should know about the previous semester

### Probation

All business students, freshman through senior, must maintain a minimum 2.00 GPA for all courses completed at ASU in order to remain in academic good standing. If this standard is not maintained, the student is placed on university academic probation.

Students on university academic probation must see an advisor before further registration and must do one of the following:

1. raise their ASU cumulative GPA to 2.00 or more in order to return to academic good standing
2. obtain a semester GPA of 2.50 with no grade less than a "C" in order to be granted one additional semester on continued college probation, and at the end of the continued college probation must return to academic good standing with a minimum cumulative ASU GPA of 2.00 to avoid disqualification

**W. P. Carey continued probation:** If a student's ASU cumulative GPA is still less than 2.00 at the end of the probationary semester but the student has earned a semester GPA of 2.50 or greater with no grades less than "C", the student will be placed on CONTINUED PROBATION in the subsequent semester. The student will then have only one more semester to raise the ASU cumulative GPA to 2.00 or greater.

**ASU continued probation:** If a student's ASU cumulative GPA is still less than 2.00 at the end of the probationary semester, but the student has earned a semester GPA of 2.00 or greater with no grades less than "C", the student will be placed on CONTINUED PROBATION with ASU but will be INELIGIBLE to remain in the W. P. Carey School of Business as a business student. The student will have to change to a major that is not offered through the Business school.

### Disqualification

A student who does not meet college probation requirements is academically disqualified and is not allowed to register in a fall or spring semester at the university. If the student has already enrolled in a future fall or spring semester, the student will be dropped from those courses and the registration will be cancelled. Disqualified students may attend ASU during the summer session only immediately following the semester in which the student is disqualified.

A disqualified student must wait for one year to apply for readmission to ASU, and if the student intends to return to the W. P. Carey School of Business they may do so only after completing the following eight skill courses, or the equivalent, with a minimum GPA of 3.00 and with no grade less than "C":

- ACC 231 Uses of Accounting Information I or ACC 232 Financial Accounting I
- ACC 241 Uses of Accounting Information II or ACC 242 Managerial Accounting I
- CIS 105 Computer Applications and Information Technology
- ECN 211 Macroeconomic Principles
- ECN 212 Microeconomic Principles
- ECN 221 Business Statistics
- MAT 210 Brief Calculus
- MAT 211 Mathematics for Business Analysis

Disqualified students should contact their academic advisor immediately to determine what is needed to earn readmission to the university in the future.

## Professionalism policy

The W. P. Carey School of Business is committed to promoting the highest levels of honesty, integrity and professionalism so as not to impede the personal, academic and social development of all students. Professionalism, broadly speaking, includes ethical decision-making, consideration of others and demonstration of personal accountability. Exhibiting professional behavior is integral to a positive learning environment within the university and promotes innovation, openness to diversity, integrity and mutual respect for students, faculty and staff.

The behaviors that are practiced today become habits in the future. To that end, Business students are expected to treat others as they wish to be treated. Students are to be considerate of classmates, professors, staff and recruiters in all aspects and commit to acting in a professional manner in all school settings, including classes, sponsored events and interviews. Students should be cognizant of the fact that they are representing the W. P. Carey School of Business and Arizona State University.

More information is available on the W. P. Carey Professionalism Policy [10] website.

## Advising

W. P. Carey School of Business offers undergraduate program academic advising at the Polytechnic, Tempe and West campuses. Students may find personalized advising information and may schedule appointments in advance through Advising SOS [9].

Students are encouraged to schedule appointments each semester to ensure they are making progress toward their degrees. Advising is required for:

- newly admitted students, prior to enrollment for the first term (at orientation)
- first-year students, prior to enrollment for the second term
- seniors, upon completion of 87 or more credit hours
- any student who is off track in regard to eAdvisor tracking requirements
- any student who is on university academic probation
- disqualified students interested in attending ASU in the future

Additional information regarding academic advising is available online [11] or through the W. P. Carey School of Business undergraduate programs office at 480-965-4227.

## Credit and registration

### Pass/fail

Business majors may not enroll on a pass/fail basis in any course required for graduation. Pass/fail credits taken at another institution may be petitioned for use but only if the student can demonstrate proof that the pass grade was equivalent to a "C" (2.00) or higher.

### Transfer credit

Credit from other institutions is accepted subject to the following guidelines:

Students planning to take their first two years of coursework at a community college or another four-year college should plan to take business and economics courses that are offered as freshman- or sophomore-level courses for transfer equivalency as supported through the Transfer Guide [12]. Frequently, these lower-division courses are numbered 100 through 299, but that can vary with each transferring institution. A maximum of 30 credit hours of business and economics courses from community colleges are accepted toward a bachelor's degree in business, and these are applied as lower-division credits.

Students may transfer to ASU up to nine credit hours of approved upper-division business coursework required for the ASU business degree. Business courses completed at a two-year college may not be used for upper-division transfer credit in the business core or major. Such courses may be acceptable for general university credit but may not be applicable toward the degree requirements of the major. Courses taught in the upper-division business core must be completed at an accredited four-year institution. Upper-division business course transfer credits will be considered for upper-division business credit in the ASU major only when the course was taken at an AACSB International-accredited school (https://www.aacsb.edu/ [13]).

Credit is granted for transferred courses deemed equivalent by the W. P. Carey School of Business to corresponding courses in the selected program of study and is subject to grade and ASU resident credit requirements. No grades lower than “C” (2.00 on a 4.00 scale) transfer to ASU. To be accepted for credit as part of a degree program in business, all courses transferred from other institutions must carry prerequisites similar to those of the courses they are replacing at ASU.

## Degree requirements

### Critical requirements

All business students must meet the critical requirements for their majors. Students who are required to follow eAdvisor tracking requirements yet do not comply with the critical requirements are considered off track, and a hold will be placed on their records. These students must work with an advisor to have the hold removed.

Undergraduates in the W. P. Carey School of Business are expected to be strong academically, especially with regard to grades earned in business courses. Careful course planning in consultation with an academic advisor assists students in maintaining satisfactory academic performance and progress.

### Concurrent degrees

ASU students not enrolled in a W. P. Carey School of Business degree program who wish to pursue a concurrent degree with the Business school:

- must be in good academic standing
- must have completed 30 credit hours of college coursework
- must meet direct admission criteria [14] for the degree program they wish to pursue

If direct admission requirements have been met, students should file a concurrent degree request form. Students who do not meet direct admission requirements for business degree programs must complete the admission portfolio [15] and be admitted prior to filling out the concurrent degree request form. Students are allowed a maximum of two concurrent degree request attempts.

Students currently enrolled in the W. P. Carey School of Business who wish to pursue concurrent degrees **within** the Business school:

- must be in good academic standing
- must have completed 30 credit hours of college coursework with a grade of "C" (2.00) or greater, including the following skill courses or the equivalents:
  ACC 231 Uses of Accounting Information I
  CIS 105 Computer Applications and Information Technology
  ECN 211 Macroeconomic Principles OR ECN 212 Microeconomic Principles
  MAT 210 Brief Calculus
  MAT 117 College Algebra (BA major) OR MAT 211 Math for Business Analysis (BS major)
- must have completed or currently be enrolled in the following courses or the equivalents:
  ACC 241 Uses of Accounting Information II
  ECN 211 Macroeconomic Principles OR ECN 212 Microeconomic Principles
  ECN 221 Business Statistics

Business students who meet the criteria shown above should submit a concurrent degree request [16] through Advising SOS. Review and submission times are on the website. Business students are unable to change their major status after they are admitted to a concurrent degree program unless they submit a new concurrent degree request. The direct admission criteria only apply to a single major within the W. P. Carey School of Business; students are not able to freely change majors within their concurrent degree or dual concentration combinations. Students are allowed two concurrent degree request attempts.

Current business students wishing to pursue a concurrent degree outside of the W. P. Carey School of Business should submit a concurrent degree request form and receive approval from both colleges (e.g., finance and psychology).

## Reinstatement/readmission

Students seeking readmission after an absence from the university should follow university undergraduate readmission procedures [17].

## Other special requirements

### Major proficiency requirements

Students must receive a grade of "C" (2.00) or higher in upper-division courses for the major. If a student receives a grade lower than "C" in any course in the major, the course must be repeated. If a second grade lower than "C" is received in either an upper-division course in the major already taken or in a different upper-division course in the major, the student is no longer eligible to take additional upper-division courses in that major.

### Student appeal procedure on grades

W. P. Carey School of Business students follow the university policy for the student appeal procedure on grades [18].

### Admission

Because of the additional requirements for the BS, students who do not meet minimum admission standards automatically will be considered for the BA program in the W. P. Carey School of Business. First-year admission requirements for the Bachelor of Arts program are the same as the university's first-year admission requirements. Transfer students who want to be admitted to the Bachelor of Arts program must have a 3.00 GPA for all transfer coursework and a 3.00 GPA for all ASU coursework and must meet university transfer admission requirements.

## Graduate policies

All graduate students in the W. P. Carey School of Business are required to maintain minimum cumulative, graduate and iPOS GPAs of 3.00 ("B"). Students should see individual graduate degree programs for additional requirements on satisfactory academic progress, probation and disqualification. In addition, they should review the Graduate Conduct and Professionalism Policy [19].

## Advising

Advising of graduate students is normally handled by graduate programs' operations team members. Students must prepare a plan of study during the first semester of their degree program. Students are encouraged to begin discussions with their program coordinators or managers early in their studies so coursework can be geared toward supporting their academic progress. All students, whether in a thesis or non-thesis option, must file a plan of study.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the W. P. Carey School of Business.

**Source URL:** https://catalog.asu.edu/policies/business

**Links:**
[1] https://wpcarey.asu.edu/
[2] https://provost.asu.edu/academic-integrity
[3] https://students.wpcarey.asu.edu/resources/honor-code
[4] https://students.wpcarey.asu.edu/resources/academic-integrity
[5] https://www.asu.edu/aad/manuals/acd/acd401.html
[6] mailto:titleixcoordinator@asu.edu
[7] https://www.asu.edu/reportit/
[8] https://students.wpcarey.asu.edu/degrees-and-advising/advising-forms-and-resources/academic-warning-information
[9] https://apps.wpcarey.asu.edu/apps/advising/index.cfm
[10] https://students.wpcarey.asu.edu/resources/professionalism-policy
[11] https://students.wpcarey.asu.edu/degrees-and-advising/advising-overview
[12] https://transferguide.apps.asu.edu/app/home
[13] https://www.aacsb.edu/
[14] https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/direct-admission-requirements
[15] https://students.wpcarey.asu.edu/getting-started/admissions-portfolio
[16] https://apps.wpcarey.asu.edu/apps/portfolioform/index.cfm
[17] https://admission.asu.edu/undergrad/readmission
[18] https://catalog.asu.edu/appeal
[19] https://gradstudents.wpcarey.asu.edu/student-resources/professionalism-policy

# Herberger Institute for Design and the Arts policies

The college is built on a combination of disciplines unlike any other program in the nation, comprising the Schools of Art [1]; Arts, Media and Engineering [2]; Music, Dance and Theatre [3]; The Design School [4]; The Sidney Poitier New American Film School [5]; and the ASU Art Museum [6].

The institute is dedicated to the following design principles:

- Creativity is a core 21st century competency. Its students develop the ability to be generative and enterprising, work collaboratively within and across artistic fields, and generate nonroutine solutions to complex problems. With this broad exposure to creative thinking and problem-solving, graduates are well prepared to lead in every arena of the economy, society and culture.
- Design and the arts are critical resources for transforming society. Designers and artists must be embedded in their communities and dedicate their creative energy and talent to building, reimagining and sustaining the world. Design and the arts must be socially relevant and never viewed as extras or as grace notes. The Herberger Institute for Design and the Arts is committed to placing designers, artists and arts-trained graduates at the center of public life.
- The institute is committed to enterprise and entrepreneurship. For most college graduates today, the future of work is unpredictable, nonlinear and constantly evolving. A recent study found that 47% of current occupations will likely not exist in the next few decades. Design and the Arts faculty, students and graduates are inventing the jobs and the businesses of the future; reimagining how design, art and culture get made and distributed; and coming up with new platforms and technology for the exchange of culture and the enrichment of the human experience. The legendary author and expert on city life Jane Jacobs talks about the abundance of "squelchers" — parents, educators, managers and leaders who tend to say "no" to new ideas. At Design and the Arts, there are no squelchers. All embrace the cardinal rule of improvisation: Always say "Yes, and…"
- Every person, regardless of social background, deserves an equal chance to help tell the stories of this nation and the world. Creative expression defines everyone, what each aspires to, and how all hope to live together. The Herberger Institute for Design and the Arts is committed to projecting all voices — to providing an affordable education to every student who has the talent and the desire to boldly add their creative voice to the world's evolving story.
- Effectiveness requires excellence. The ability to solve problems, build enterprises, and create compelling and socially relevant design and art requires high levels of mastery. By each being the best in their chosen fields, all can stretch themselves and their talents to make a difference in the world.

Students with questions about the Herberger Institute for Design and the Arts policies or procedures may review the Herberger Institute Office of Student Success [7] website, contact the office at 480-965-4495 to speak with advising staff, or contact the institute's dean's office at 480-965-0050.

## Academic integrity

The Herberger Institute for Design and the Arts strictly adheres to the ASU Student Academic Integrity Policy [8]. Academic honesty is expected of all students in all examinations, papers, academic transactions and records. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. Information about academic integrity also can be found on the school's academic integrity page [9].

### Professionalism

Professionalism entails a set of skills critical for workplace and creative successes, and professional behavior creates an atmosphere promoting safe and high-quality spaces for constructive learning as well as individual and community well-being. The institute expects students to show professional behavior with clients, members of the community and others in the university environment (e.g., classrooms, clinics, labs, studios) including members of the faculty and administration, other students and staff. Students are expected to conduct themselves in a professional manner, including arriving on time with an open attitude to learning, engaging in ethical behavior, resolving conflicts in an appropriate manner at all times, holding partnership information confidential, and using prudence in written and verbal communications. Professionalism includes:

- attendance and punctuality
- following all university and studio safety protocols and behavioral expectations
- honesty and integrity
- respectful communication
- self-control

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [10].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [11], call 480-965-0696 for more information, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [12] website.

## Undergraduate policies

### Academic standing

#### University academic warning

A new incoming freshman or transfer student with a cumulative GPA that has dropped below 2.00 at the end of the first semester (fall or spring) at ASU is placed on academic warning. All students who are placed on academic warning are encouraged to complete academic success modules online through Canvas. Students are also encouraged to meet with their academic advisor to discuss any challenges they may have experienced to develop a plan to improve their standing. If a student does not earn a cumulative GPA of a 2.00 or higher in their second semester, the student is placed on probation. On-campus students are required to enroll in UNI 220 Mindset Connections during their academic warning semester; this becomes a graduation requirement once a student’s cumulative GPA falls below 2.00. If a student is not successful in this course, they must enroll in the course until it is successfully completed.

#### Probation

Students in any of the institute's degree programs are placed on probation when they fail to maintain a minimum cumulative GPA of 2.00. Students on probation must observe rules or limitations the institute imposes on their probation as a condition of retention. All students who are placed on probation are required to complete academic success modules online through Canvas. Students also are required to attend mandatory advising appointments in an effort to improve their academic standing. On-campus students are required to enroll in UNI 220 Mindset Connections in the semester of their probation; this becomes a graduation requirement once a student’s cumulative GPA falls below 2.00. If a student is not successful in this course, they must enroll in the course until it is successfully completed.

#### Continuing probation

A student who is already on probation and earns a GPA of 2.00 or higher for the term but is not successful in raising their cumulative GPA above a 2.00 will be placed on continuing probation. Continuing probation is meant to acknowledge the student’s academic progress while still providing academic support to help the student reach the required 2.00 GPA. Students on continuing probation must continue to attend mandatory advising appointments until the student earns a cumulative GPA of 2.00 or higher.

#### Disqualification

If the ASU cumulative GPA is not at 2.00 or higher and the conditions of probation have not been met after one semester on probation, the student is disqualified for a minimum of two full academic semesters. Disqualification is exercised at the discretion of the institute and becomes effective on the first day of the fall or spring semester following institute action. A disqualified student is notified by the dean’s office of the institute and is not allowed to register for a fall or spring semester at the university until reinstated. Students should consult with their academic advisor to discuss this academic standing and their options for returning to ASU.

##### Co-enrolled continuing probation program

Select disqualified students may participate in the co-enrolled continuing probation program at the discretion of their college or school. This program allows the student the opportunity to attend ASU during the fall or spring semester part time to take UNI 220 plus one ASU course co-enrolled with at least eight credit hours at a Maricopa County Community College. The student selects these courses in consultation with their ASU academic advisor. Upon completion of the term,

if the student achieves a combined semester cumulative GPA of 2.50, they may continue regular enrollment at ASU for the upcoming semester.

If the student is receiving financial aid, they need to check with the financial aid office to see how participation in this program will affect their eligibility for financial aid.

### Reinstatement

A student who has been academically disqualified and seeks to return to ASU either for a fall or spring semester, at any time, and has met college admission standards will be required to seek readmission to the university [13] and reinstatement to the institute. Applications for readmission to ASU must be made to Admission Services; the application for readmission will automatically generate a letter of appeal for reinstatement to the institute for consideration.

All disqualified students should contact the Herberger Office of Student Success [14] regarding procedures and guidance for reinstatement and returning to academic good standing. Disqualified students may attend summer sessions at ASU to raise their cumulative GPA. If a cumulative GPA of 2.00 or higher is achieved upon completion of summer coursework, the student may petition the institute for early reinstatement. By following recommendations and meeting established standards for summer coursework or coursework completed at other institutions, the possibility of successful reinstatement is enhanced. All students who are academically disqualified should contact an institute advisor to discuss their options.

Also available in the Office of Student Success is information on the college policies and procedures for student grievances with respect to grades (PDF) [15] and various petitions regarding standards and graduation requirements.

## Advising

Undergraduate academic advising is handled as a centralized activity within the institute. Students are encouraged to make appointments through the Herberger Institute Office of Student Success [16]. Appointments are recommended and should be scheduled in advance with the lead academic advisor.

There are multiple ways to schedule an advising appointment:

- online through a student's My ASU [17]
- phone: 480-965-4495
- email: HerbergerAdvising@asu.edu [18]
- in-person: Design South (CDS), room 101 (M-F, 8 a.m-5 p.m.) or Fusion on First (FOF), Room 320 (M-F, 8 a.m.-noon; 1-5 p.m.)

While the institute provides academic advising, it is ultimately each student's responsibility to fulfill academic and program requirements. Administration of program requirements is the responsibility of the head of the academic unit and the dean.

## Credit and registration

### Course load

First-semester freshmen and entering transfer students are not permitted to register for more than 18 credit hours in Session C or nine credit hours in Session A and nine credit hours in Session B. Continuing students who wish to register for more than 18 credit hours must meet the academic criteria for an overload petition and work with their academic advisor in the Herberger Office of Student Success. No student should assume that the petition for overload will be granted.

For summer sessions, the maximum course load is 14 credit hours, seven per six-week summer session. Overloads are rarely granted for these sessions and requests must be petitioned to the Herberger Office of Student Success.

### Audit grade option

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses.

This grade option may not be changed after the add period.

### Pass/fail or credit/no credit

The only courses accepted toward graduation with a grade of pass/fail or credit/no credit are courses designated by the academic unit as such, or internships and field studies.

### Transfer credits

While the university accepts credits transferred from other accredited institutions, transfer coursework must be equivalent in content and level of offering. Arts or design transfer credits are not applied to specific degree programs until reviewed and accepted by the appropriate academic units. The Design School and the School of Art require a review of samples of work in portfolio format from previous studio classes in order to evaluate some transfer studio credits.

### Incompletes

Students are responsible for contacting their course instructors regarding the process of requesting and fulfilling requests for an incomplete. The grade of "I" (incomplete) can only be given by an instructor (and it is subject to unit director approval) when a student who is doing otherwise acceptable work is unable to complete a course (e.g., final exam or term paper) because of illness or other conditions beyond the student's control. The student must submit a request to the instructor to be considered for a grade of incomplete. A completed request must have the Incomplete Grade Request form [19] and include a justification, a listing of requirements that have not been fulfilled and a proposed schedule of completion. The instructor will review the request and determine whether to accept or deny the request. The instructor may propose modifications when submitting a copy of the accepted request to the appropriate office.

An incomplete in any course that is a prerequisite for sequential courses automatically denies the student enrollment in subsequent courses and could result in the student being administratively dropped from a subsequent course if the student has already enrolled.

The student has a maximum of one calendar year from the date the grade of "I" is recorded to complete the course, but faculty can place lesser time limitations at their discretion. A student does not reregister or pay fees for a course for which an "I" has been received in order to complete the course. Grades of "I" for undergraduate coursework that have been on a student's record for more than one calendar year automatically will be changed to "E."

### Withdrawals

University withdrawal regulations apply to all courses. In certain degree programs of the institute, curricula are modular and sequential; and because space in these programs is limited, a student is expected to progress through the curriculum with the class. In order to fully understand all potential repercussions of withdrawal from any courses, the student should discuss their plans with their academic advisor.

## Degree requirements

### Critical requirements

All Design and the Arts students must meet the program and critical requirements for their majors. Students who do not comply with the critical requirements are considered off track and their records will be placed on hold; students are required to meet with an institute academic advisor to have a hold removed. For more information about critical requirements, students should refer to the corresponding major map.

### Concurrent degrees

A student who wishes to obtain concurrent degrees must submit a concurrent degree request form through the university approval process and meet the following criteria: minimum cumulative GPA of 3.00, successful completion of six credit hours in both majors, and successful admission into both intended programs of study. A student pursuing concurrent degrees within the institute must complete 24 unique credit hours in each major.

### Change of major

A current ASU student who wishes to change majors to one of the institute's degrees must have a cumulative ASU GPA of 2.50 or greater. Students wishing to enter a major that requires an audition, interview, milestone or portfolio review may be required to successfully complete this requirement before changing the major.

## Reinstatement/readmission

Undergraduate degree-seeking students who previously attended ASU in the Herberger Institute for Design and the Arts but have not been enrolled at ASU for up to seven consecutive fall or spring semesters may be eligible to return through quick re-entry [20]. Students do not need to submit a new application or application fee, but they must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for eight or more semesters and want to return to ASU in a Herberger Institute for Design and the Arts program are required to apply for readmission [13] through the Admission Services office.

- Readmission is only considered after a student has remained out of the institute for a minimum of eight semesters.
- A student is required to supply proof he or she is now capable of successfully completing courses in the discipline by the completion of at least 12 credit hours of appropriate coursework with a GPA of 2.50 or greater.
- If the readmission request requires a change of major, then admission decisions are made by the college that offers the intended major.
- If a student seeks readmission to his or her previous Design and the Arts major and that major requires a creative review, a new review may be required.
- If readmission is approved within the institute, the student returns with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with an institute advisor before enrolling in courses at ASU.

## Other special requirements

### Creative reviews

A creative review (audition, interview, milestone, portfolio submission) is required for entrance into many majors in the Herberger Institute for Design and the Arts. Students should visit the school's admission page [21] for details.

# Graduate policies

Advising is handled as a decentralized activity within the institute. To offer personalized attention, each academic unit establishes its own graduate advising procedures. Students are encouraged to make appointments through the central office of their major discipline. Students should consult their academic unit's website for general information about the programs, admission and advising procedures:

- School of Art [1]; 480-965-6303
- School of Arts, Media and Engineering [2]; 480-965-9438
- School of Music, Dance and Theatre [3]; 480-965-3371
- The Design School [22]; 480-965-3536
- The Sidney Poitier New American Film School [5]; 602-496-5555

Students must fulfill all requirements of their graduate program to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Herberger Institute for Design and the Arts.

**Source URL:** https://catalog.asu.edu/policies/design_and_arts

**Links:**
[1] https://art.asu.edu/
[2] https://artsmediaengineering.asu.edu/
[3] https://musicdancetheatre.asu.edu/
[4] https://design.asu.edu/
[5] https://film.asu.edu/
[6] https://asuartmuseum.asu.edu/
[7] https://students.herbergerinstitute.asu.edu/
[8] https://provost.asu.edu/academic-integrity
[9] https://students.herbergerinstitute.asu.edu/academic-advising/academic-integrity-grading-disputes
[10] https://www.asu.edu/aad/manuals/acd/acd401.html
[11] mailto:titleixcoordinator@asu.edu
[12] https://www.asu.edu/reportit/
[13] https://admission.asu.edu/undergrad/readmission

[14] https://students.herbergerinstitute.asu.edu/academic-advising
[15] https://designandarts.asu.edu/grievanceprocedure/HerbergerInstituteGrievanceProcedure.pdf
[16] https://students.herbergerinstitute.asu.edu/academic-advising
[17] https://my.asu.edu/
[18] mailto:HerbergerAdvising@asu.edu
[19] http://students.asu.edu/forms/incomplete-grade-request
[20] https://catalog.asu.edu/glossary#quickreentry
[21] https://herbergerinstitute.asu.edu/admissions
[22] https://design.asu.edu/degree-programs

# Ira A. Fulton Schools of Engineering policies

The Ira A. Fulton Schools of Engineering [1] educate undergraduate and graduate students, giving them the knowledge, skills and attitudes they need for success in technically oriented careers. The schools provide students with a range of educational opportunities through which they may achieve excellence in the major branches of engineering, computer science, informatics, construction management, aviation, technology, human systems engineering, environmental resource management, and technological entrepreneurship and management.

The Ira A. Fulton Schools of Engineering take pride in their diversity, their economic and cultural heritages, and the quality of their graduates. The schools strive to be integral to the community they serve and a lifelong presence in the lives of those within their compass. The schools' educational and research programs are built around the following principles: entrepreneurship, use-inspired research and scholarship, a focus on the individual, the intellectual fusion of unique and distinct disciplines, social embeddedness in communities (local, national and international), and global engagement.

**Ira A. Fulton Schools of Engineering aspirations**
Graduates from any of the schools' programs possess a solid technological background. Additionally, the Ira A. Fulton Schools of Engineering aspire to develop leaders who are well-read, well-spoken and knowledgeable about current business practices. Experiential education is recognized as a complementary praxis and integral to the overall academic experience. To this end, the schools offer enhanced curricula, special courses and extracurricular activities to enrich the student's stay and to offer every student opportunities to achieve the schools' aspirations.

All the programs within the schools are professional programs, and professionalism is an important component of all the curricula. The schools strive to help students understand and value the various aspects of professionalism, including ethical behavior, a desire for lifelong learning, the ability to communicate with others, and an awareness of how the profession fits into society and impacts it. As the first step in ethics, all students are expected to follow the student code of conduct and rules of academic integrity [2] defined by the university.

## Professional expectation

A respectful and professional community enhances the learning experience for everyone, and is in alignment with the Ira A. Fulton Schools of Engineering Values. The college expects all students to acknowledge and embrace the principles set forth in the student professional expectation.

## Academic integrity

Students enrolled in the Ira A. Fulton Schools of Engineering must adhere to ASU's Academic Integrity Policy [3]. Students are responsible for reviewing this policy and understanding each of the areas in which academic dishonesty can occur. In addition, all engineering students are expected to adhere to the ASU Academic Integrity Honor Code [4]. If a violation is reported to the Academic Integrity Office, students will have the opportunity to provide feedback before a final decision is made. Ira A. Fulton Schools of Engineering keeps a record of all confirmed academic integrity violations; multiple violations may result in increasingly significant sanctions.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [5].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [6], call 480-965-0696 or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [7] website.

# Undergraduate policies

## Academic standing

### Student responsibilities

Students need to make many decisions as they complete their degree programs. While the schools and the university have a number of resources available to help with decision-making (e.g., faculty, courses, advisors and tutors), students are expected to take responsibility for their decisions.

### Ira A. Fulton Schools of Engineering good standing

Students are expected to select and successfully complete courses that lead to the timely completion of their degree programs. Students are said to be in good standing if they fulfill all the following:

- maintain acceptable GPAs
- enroll in and complete critical tracking requirements
- complete courses each semester that are applicable to their degrees

### University academic warning

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester (fall or spring) is considered to be in the status of university academic warning. If after one term with an academic warning a student still does not achieve the minimum GPA standard of 2.00, the student will be placed on probation for at least one additional term. If a student's minimum GPA first falls below the standard in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

A student with an academic warning is considered in conditional good standing and is permitted to enroll.

Whether a student's status is an academic warning or probation, the student must self-enroll [8] in the Canvas-based course Fulton Academic Success Strategies to prepare for the upcoming semester and develop a success plan for returning to university academic good standing. The student also will meet with their academic advisor to finalize coursework for the upcoming term. At the discretion of the student's college or school, that plan may require successful completion of UNI 220 Mindset Connections.

### Ira A. Fulton Schools of Engineering probation

There are many reasons why some students do not make satisfactory progress. These students are placed on Ira A. Fulton Schools of Engineering academic probation to ensure they get the extra attention and resources they need in order to get back in good standing. Working with an academic advisor to plan a strategy for success is crucial. Students may be required to reduce their course loads (13 credit hours maximum), retake courses or even take courses outside of their programs.

To return to academic good standing in the Ira A. Fulton Schools of Engineering, students on probation need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If a student is enrolled in only one course, a grade of "C+" (2.33) or better and a minimum cumulative ASU GPA of 2.00 are required for obtaining academic good standing. Students who meet either the semester GPA requirement or the cumulative ASU GPA requirement at the end of their first probationary semester may be continued on probation. Courses completed during summer sessions are not used to reevaluate a student's probationary status.

#### Conditions for Ira A. Fulton Schools of Engineering probation

A student is placed on college or university probation when specific academic expectations are not met. Some conditions trigger an automatic placement on probation whereas others trigger an automatic review of the student's case to determine if probation is warranted. When a probation review is triggered, the final decision and any conditions of probation are determined at the program level.

Automatic probation is triggered by either of the following:

- two successive semesters with GPAs less than 2.00
- an ASU cumulative GPA less than 2.00

Automatic review (borderline) is triggered by either of the following:

- a semester with a GPA less than or equal to 2.00
- a cumulative GPA in the major of less than 2.00

## Ira A. Fulton Schools of Engineering continuing probation

A student on probation or continuing probation at the university level is placed on college-level continuing probation status when specific academic expectations are not met. When a continuing probation review is triggered, the final decision and any conditions of continuing probation are determined at the college level.

To return to academic good standing in the Ira A. Fulton Schools of Engineering, students on continuing probation need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If a student is enrolled in only one course, a grade of "C+" (2.33) or better and a minimum cumulative ASU GPA of 2.00 are required to obtain academic good standing.

Automatic continuing probation is triggered by either of the following:

- a student on probation does not attain a semester GPA of 2.25 or greater and has a cumulative GPA of at least 2.00 at the end of the probation semester
- a student on probation or continuing probation attains a semester GPA of 2.25 or greater and has a cumulative GPA less than 2.00

## Ira A. Fulton Schools of Engineering ineligibility

Students who are on continuing probation and fail to meet the schools' retention standards become ineligible to continue working toward a degree within the Ira A. Fulton Schools of Engineering.

Ineligibility occurs if the continuing probationary student does any of the following:

- does not attain a semester GPA of 2.25 or greater and has a cumulative GPA of at least 2.00 at the end of the probationary semester
- has already been on probation for two consecutive semesters
- fails to complete any courses appropriate for the degree during each semester

Ineligible students are subject to the following limitations:

- Students who change colleges may not register for courses in the Ira A. Fulton Schools of Engineering unless the courses are required by their new majors.
- Students who register for courses in the Ira A. Fulton Schools of Engineering may be withdrawn from these courses any time during the semester they are registered.

Ineligible students are encouraged to consider these options:

- Students may be eligible to change their majors to other colleges if they are in university academic good standing and have acceptable cumulative GPAs; the acceptable GPA level depends on the number of credit hours of completed coursework. Students should contact their advisor to determine if this is an option for them.
- Students may take nonengineering courses during summer sessions.
- An ineligible student may apply for readmission to the college after one calendar year.
- Students may request a status review by contacting the Office of Academic and Student Affairs.

## Ira A. Fulton Schools of Engineering disqualification

Students who are on probation or continuing probation and fail to meet the schools' retention standards become disqualified to continue working toward a degree within the Ira A. Fulton Schools of Engineering.

Disqualification occurs if the student on probation or continuing probation does not attain a semester GPA of 2.25 or greater and has a cumulative GPA less than 2.00 at the end of the probation semester.

Disqualified students are subject to the following limitations:

- A disqualified student is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled.
- A student who has been disqualified may apply for readmission to the college after one calendar year.
- A disqualified student may not attend as a nondegree student.
- If a disqualified student elects to attend another university or two-year college, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a replacement of a grade earned at ASU.

### Ira A. Fulton Schools of Engineering student disqualification and ineligibility appeals

A student disqualified or deemed ineligible for lack of satisfactory progress is afforded the opportunity to appeal the decision to the school or program. All timely student appeals will be reviewed by the school or program for consideration. Any student appeal that is denied by the school or program is automatically forwarded to the Ira A. Fulton Schools of Engineering Academic Standards Committee for review. Appeal decisions made by the Academic Standards Committee are final.

## Advising

Successful completion of a program in the Ira A. Fulton Schools of Engineering requires careful planning. While final responsibility lies with each student for becoming familiar with and understanding academic degree requirements, each program employs professional academic advisors who work with students to help them set academic and career goals, understand school and university policies and procedures, meet degree requirements, and become familiar with sources of academic support within the university. Students also may work with faculty advisors familiar with the chosen fields of specialization. Students should consult their advisors prior to registering each semester. A list of advising contacts [9] can be viewed online.

Students are encouraged to use eAdvisor tools [10] for academic planning. This service provides critical requirements and major maps, which are reports individualized for each student that lay out a specific, clear and accurate path to timely completion of the student's intended degree.

Staff in the Office of Academic and Student Affairs in the Ira A. Fulton Schools of Engineering are available to assist individual students with many different types of advising issues. They work with students to answer general questions about policies and procedures; help with registration transactions; administer the probation, disqualification and readmission processes; oversee disciplinary actions; hear grade grievances; and assist with other administrative matters.

### Mandatory advising

All first-year students, student-athletes and students who are found to be having academic difficulty are required to receive advisement before they can register for any classes, including during summer sessions. Some programs relax the advising requirement after the first year, so students should consult their academic advisor or review the My Tasks list in My ASU [11] to determine if advising is required.

Students on continued probation status should thoughtfully complete the Continued Probation Success Plan (PDF) [12] and schedule an appointment with their advisor to review the success plan, to discuss strategies and to develop a plan to return to good academic standing.

## Credit and registration

Students are required to register for courses using one of the university-provided processes. As part of the registration process, the school enforces the following registration restrictions.

### Maximum hours

Students enrolled in undergraduate degree programs in the Ira A. Fulton Schools of Engineering may register for a maximum of 19 credit hours per semester. Any student wanting to register for more than the maximum must submit a college standards petition [13] and have an approval on file prior to registering for the overload.

### Ira A. Fulton Schools of Engineering probationary status

Students who have been placed on academic probation within the Ira A. Fulton Schools of Engineering must complete the Canvas-based course Fulton Academic Success Strategies (self-enroll) [8] and then schedule an appointment with their academic advisor to discuss success strategies and develop a plan to return to academic good standing. Students on academic probation within the Fulton Schools may enroll in a maximum of 13 credit hours per semester.

## Degree requirements

### Undergraduate nondegree status

Students who are enrolled in an undergraduate nondegree status in the schools must obtain advising and approval to register from the Office of Academic and Student Affairs before registering each semester.

### Course prerequisites

Students should consult class search and the course catalog [14] for course prerequisites. Students who register for courses without the designated prerequisites may be withdrawn without their consent at any time before the final examination. Such withdrawals may be initiated by the course instructor, the program chair of the program offering the course or the dean of the college. In such cases, students do not receive monetary reimbursement.

### Pass/fail grades

Students requesting credit for pass/fail courses taken at another institution must file an Ira A. Fulton Schools of Engineering standards petition [15]. Each request is judged on its particular merits.

### Non-Ira A. Fulton Schools of Engineering students

Students who are not admissible to programs in the Ira A. Fulton Schools of Engineering and who enroll in another college at ASU may not register for any 300- or 400-level courses in the schools unless the courses are required in their degree programs and the students have the proper course prerequisites.

### First-year composition requirement

Completion of the first-year composition requirement [16] is required for graduation. Any student whose written or spoken English is unsatisfactory in any course may be required by the appropriate school director or program chair to take additional coursework.

### Concurrent degrees

Students interested in pursuing a concurrent degree should consider several aspects:

- The degree conferral date occurs when all degree requirements are satisfied for each undergraduate degree program; that is, students receive both degrees at the same time regardless whether coursework for one degree is completed prior to the other degree.
- Admission criteria, policy for double-counting credits, and other requirements and rules are defined by the school or college offering the degree program.
- Financial aid and scholarship limits apply and may not cover all semesters; therefore, students may need to invest more time, and hence more funds, to complete concurrent degrees.

Once a decision is made to pursue a concurrent degree, the process must be set in motion:

- A student pursuing a concurrent degree must meet with both program advisors to learn about degree and graduation requirements of both degree programs and the eligibility requirements before starting the approval process. Both advisors should review the graduation plan that outlines courses the student will take each semester.
- The student must complete the concurrent degree process with each respective school or college offering the desired degree programs to request permission to pursue the concurrent degrees.
- Concurrent degree approvals result in the posting of concurrent degrees in PeopleSoft. If the student later decides to drop one of the degrees, the student should inform the University Registrar Services Graduation Office [17] that they are no longer interested in pursuing concurrent degrees.

### Change of major

Students interested in switching majors to one of the programs within the Ira A. Fulton Schools of Engineering must meet the schools' admission requirements for transfer students [18]. This requirement is true for students admitted to ASU as first-year or transfer students. A change of major is not guaranteed, and students interested in changing majors are encouraged to make an appointment with an advisor in the program of interest to discuss the probability of success and to develop a plan of action to ensure successful advancement to upper-division courses.

Students who were admitted as first-year students into the Ira A. Fulton Schools of Engineering, with the exception of The Polytechnic School [19] and the School of Manufacturing Systems and Networks [20], and who have maintained continuous enrollment in any Fulton Schools major may choose to change to any other major within the Ira A. Fulton

Schools of Engineering provided they are in good academic standing [21]. Students admitted to The Polytechnic School or the School of Manufacturing Systems and Networks must meet the transfer admission requirements in order to change to a Fulton Schools major outside of their current schools.

### Evaluation of previous coursework

Transferring from one institution to another or between programs can result in a net loss of credits that count toward the degree. Thus, it is important for students who contemplate transferring into the Ira A. Fulton Schools of Engineering from other institutions, whether community colleges or four-year institutions, to carefully study the requirements of their degree programs to get a sense of which courses may transfer.

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades lower than "C" (2.00) are accepted as transfer credit to meet the graduation requirements of the schools. Credits transferred from a community college or two-year institution are applied only as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the Transfer Guide [22].

Some courses taken at ASU or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit with approval of the dean.

#### Currency of coursework

Courses taken more than five years before admission to degree programs in the Ira A. Fulton Schools of Engineering are not normally accepted for credit in the engineering major, and are at the option of the program in which the applicant wishes to enroll. However, students still may earn university elective credit or General Studies credit for these courses. Courses completed within the five years preceding admission are judged for their applicability to the student's curriculum.

### General education development

Students admitted to the university after successful completion of a GED examination are directly admitted to the Ira A. Fulton Schools of Engineering BS or BSE program within their majors, provided they meet the minimum ACT or SAT score required for first-year admission to the Ira A. Fulton Schools of Engineering.

### Graduation requirements

To qualify for graduation, an Ira A. Fulton Schools of Engineering student must have a minimum cumulative ASU GPA of 2.00 in addition to having a GPA of at least 2.00 for the courses in the major.

#### University graduation requirements

In addition to program and the Fulton Schools' requirements, students must meet all university graduation requirements [23]. A well-planned program of study enables students to meet all requirements in a timely fashion. Students are encouraged to consult with an academic advisor in planning a program, to ensure they comply with all necessary requirements.

## Reinstatement/readmission

### Readmission

Undergraduate degree-seeking students who previously attended ASU in the Ira A. Fulton Schools of Engineering but have not been enrolled at ASU for up to seven consecutive semesters are eligible to return through quick re-entry [24]. Students do not need to submit a new application or application fee, but they must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for more than seven semesters and want to return to ASU in an Ira A. Fulton Schools of Engineering program are required to apply for readmission [25] through Admission Services. Readmission requests are processed as follows:

1. Schools of Engineering students seeking readmission to the same program they left and who left ASU with either academic good standing or probation status are readmitted to that degree program with the same academic standing they had when they left ASU (i.e., good academic standing or probation).
2. Students seeking readmission to an Ira A. Fulton Schools of Engineering program other than the program they left and who have an ASU GPA of 3.00 or greater are readmitted to the degree program with the same academic standing they had when they left ASU (i.e., good academic standing or probation).

3. Students seeking readmission to an Ira A. Fulton Schools of Engineering program other than the program they were in when they left ASU with either academic good standing or probation status and who have an ASU GPA less than 3.00 are subject to the process of admission by change of major. These requests for readmission are reviewed on an individual basis. If the request for readmission is approved, the student is readmitted to the new degree program with the same academic standing he or she had when leaving ASU (i.e., good academic standing or on probation).
4. Students seeking readmission to an Ira A. Fulton Schools of Engineering program and who left ASU with either ineligible or disqualified status are subject to review by the Office of Academic and Student Affairs and the program. Readmission is only considered after a student has remained out of the Ira A. Fulton Schools of Engineering for a minimum of 12 months. A student is required to supply proof of now being capable of successfully completing courses in the discipline by the completion of at least 15 hours of appropriate coursework with a GPA of 3.00 or higher and a cumulative GPA (ASU plus transfer) of at least 2.50. If the readmission request requires a change of major, then the student must complete the review process for admission by change of major. If readmission is approved, the student will return with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with a program advisor before enrolling in courses at ASU.

## Other special requirements

### Advancing to upper-division courses

The faculty in the Ira A. Fulton Schools of Engineering have identified a set of critical requirements in the first four semesters of each program whereby performance in these critical requirements is a key component in progressing in the chosen major. These critical requirements include a set of courses and performance levels required in those courses and are outlined on the major maps.

# Graduate policies

## Maintaining satisfactory academic progress

A student who has been admitted to a graduate degree program in the Ira A. Fulton Schools of Engineering, with either regular or provisional admission status, must maintain a GPA of 3.00 or higher in all the following:

1. all work taken for graduate credit (courses numbered 500 or higher)
2. coursework in the student's approved plan of study
3. all postbaccalaureate coursework taken at ASU (overall GPA)

A student is placed on academic probation if one or more of the student's GPAs listed above is less than 3.00. Students will be notified by mail when placed on academic probation.

A student earns good academic standing by obtaining a 3.00 or greater in the above GPAs within the next nine credit hours or one academic year, whichever comes first. Coursework such as research and dissertation and any course that is graded with a "Z" (in progress) or "Y" (satisfactory) cannot be included in these nine hours.

A student may be recommended for dismissal from a graduate program if the student fails to increase all the GPAs listed above to 3.00 or higher within the specified time frame defined in the previous paragraph.

A student may appeal actions concerning dismissal by petitioning the program in which they are enrolled.

## Student dismissal appeal

A student may appeal actions concerning a satisfactory academic progress dismissal by submitting a timely appeal to the school or program in which they are enrolled. Any dismissal appeal submitted to the school that is denied is automatically forwarded to the FSE Academic Standards Committee for additional review. Any appeal denied by the Academic Standards Committee is forwarded to the Graduate College for final review and execution.

Dismissal appeal opportunities are typically not provided in the following situations: dismissal for failure to satisfy provisional or probationary admission requirements within the specified time, failure to complete regular admission deficiencies within the prescribed timeframe, student appeal results in a school-issued probation extension, or failure to maintain continuous enrollment.

Academic units in the Ira A. Fulton Schools of Engineering can expand this policy statement to include additional policies governing the satisfactory academic progress of the students in their graduate programs.

## Additional graduate policies

Full details of policies related to graduate students in the Ira A. Fulton Schools of Engineering can be found on each program's webpage. For a list of programs, students should visit the Engineering website [1]. University policies related to graduate students can be found on the Graduate College [26] webpages.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and they must abide by all university policies including those of the Graduate College and the Ira A. Fulton Schools of Engineering.

**Source URL:** https://catalog.asu.edu/policies/engineering

**Links:**
[1] https://engineering.asu.edu/
[2] https://provost.asu.edu/academic-integrity
[3] https://provost.asu.edu/academic-integrity/policy
[4] https://provost.asu.edu/academic-integrity/honor-code
[5] https://www.asu.edu/aad/manuals/acd/acd401.html
[6] mailto:titleixcoordinator@asu.edu
[7] https://www.asu.edu/reportit/
[8] https://canvas.asu.edu/enroll/C8KEXW
[9] https://advising.engineering.asu.edu/
[10] https://eadvisor.asu.edu/
[11] https://my.asu.edu/
[12] https://engineering.asu.edu/wp-content/uploads/sites/36/2022/04/continued_probation_success_plan.pdf
[13] https://engineering.asu.edu/advising/undergraduate-standards-petition-form/
[14] https://catalog.apps.asu.edu/catalog/courses
[15] https://engineering.asu.edu/advising/undergraduate-standards-petition-form/
[16] https://catalog.asu.edu/ug_grad_req#first_year_composition
[17] https://students.asu.edu/contact/office-university-registrar
[18] https://engineering.asu.edu/admission-requirements/
[19] https://poly.engineering.asu.edu/degrees/bachelors-degrees/
[20] https://msn.engineering.asu.edu/
[21] https://catalog.asu.edu/retention_standing
[22] https://admission.asu.edu/transfer
[23] https://catalog.asu.edu/ug_grad_req
[24] https://catalog.asu.edu/glossary#quickreentry
[25] https://admission.asu.edu/undergrad/readmission
[26] https://graduate.asu.edu/

# College of Global Futures policies

The College of Global Futures [1] prepares next-generation leaders with the knowledge, skills and mindsets they need to tackle complex global challenges. Home to the School for the Future of Innovation in Society [2], the School of Sustainability [3], the School of Complex Adaptive Systems [4] and the School of Ocean Futures [5], the college fosters new interactions between students, staff, faculty and partners that elevate our ability to understand complex, integrated social, environmental and technical systems; drive responsible innovation; and lead to ethical interventions that ensure a just, healthy and fulfilling future for everyone. Students learn how to develop enduring solutions that benefit all people everywhere on a thriving, healthy planet.

**Student responsibilities**
Students need to make many decisions as they complete their degrees. While the college and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help in the decision-making process, students are expected to take responsibility for their decisions.

## Academic integrity

The College of Global Futures adheres to ASU's academic integrity policies and procedures [1]. Students are part of an academic community that is engaged in learning and inquiry and based on the quest for truth, thus committing themselves to a path of honesty and integrity. Therefore, it is expected that they integrate that responsibility with their conduct, in line with the ASU Student Honor Code [7]. Students' coursework, research and projects must be original and reflect individual effort and integrity. When in doubt about appropriate conduct, students should consult a faculty mentor, advisor or the college's academic integrity officer [8] to seek clarification. The college has a policy of zero tolerance for any form of academic misconduct. Penalties for unethical behavior range from failing grades to expulsion from the university.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [9].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [10], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [11] website.

## Undergraduate policies

### Academic standing

#### Good standing

Students with a cumulative ASU grade point average of 2.00 or higher are considered in good standing.

#### Academic warning and academic probation

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester at the university (fall or spring) is considered to be on academic warning during their second term. If a student on academic warning does not achieve the minimum GPA standard of 2.00 at the end of the warning period in the second term, the student is placed on probation for the following term.

Students who are no longer in their first semester at ASU and do not maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU are placed on academic probation.

Whether a student's status is academic warning or probation, the student must meet with an academic advisor to discuss academic success strategies for the subsequent semester and develop a success plan for returning to academic good standing.

The student and advisor will discuss campus academic resources, plan current and future semester goals, and discuss strategies to attain academic success. Students on academic warning or probation may be limited in the number of credit hours they may enroll in, must enroll in the academic refresher course UNI 220 Mindset Connections, and must also do one of the following:

- Students must raise their cumulative ASU GPA to 2.00 or greater by the end of the next semester in order to return to good academic standing.
- If a cumulative GPA of 2.00 can't be reached in one semester, students must obtain a semester GPA of 2.00 or greater with no grade lower than a "C" in order to be granted one additional semester on continuing probation, providing them with two semesters in which to return to good academic standing and avoid disqualification.

### Disqualification

Students who do not meet probation requirements are subject to disqualification. Students who have been disqualified may attend summer sessions to try to bring their GPA to good standing, but they are not permitted to register for fall or spring sessions. If disqualified students choose to register for courses in the summer, they first should meet with an advisor to better understand grade replacement policies and determine which courses would be best for them. Students who already registered for future fall or spring semesters will have their registrations canceled.

## Academic advising

The College of Global Futures Student Services Center [12] supports students' achievement of their personal, educational, cultural and career goals, while becoming self-directed, lifelong learners. The college encourages students to meet with an advisor at least once a semester and requires that students meet with an advisor at certain points during their academic career:

- prior to the first semester: all newly admitted students
- first semester: during the first semester to plan for the second semester
- fifth semester: when students are starting to focus their studies and think about steps leading to graduation
- seventh semester: to prepare for any capstone experiences required and planning for post graduation

Office hours are Monday through Friday, 9 a.m. to 4 p.m., excluding university holidays. Students should schedule their advising appointments in advance through My ASU [13] or this direct link [14] so advisors can set aside the appropriate time to answer all their questions.

### Critical requirements

All College of Global Futures students must meet critical requirements for their intended majors. Students who do not comply with the critical requirements are considered off track, and holds are placed on their records; to have the holds removed, they must meet with their advisors. Students who still do not meet all critical requirements in the following semester are not permitted further registration in their intended majors. Students who are off track for two consecutive semesters may be required to change their major.

## Registration and credit

Students enrolling in courses offered by the College of Global Futures are expected to follow the rules and deadlines specified in this catalog and the ASU academic calendar [15]. Students are encouraged to meet with their academic advisor before registration.

### Maximum hours and course load

Students enrolled in undergraduate degree programs in the College of Global Futures may register for a maximum of 18 credit hours per semester (fall and spring), with a maximum of nine credit hours per session A or session B. Students may register for a maximum of 14 credit hours per summer term, with a maximum of seven credit hours per session A or session B.

Students wanting to register for more than the maximum must submit a credit overload request [16] and meet the stated criteria. Students generally are not permitted to exceed the maximum credit limit in their first term at ASU or in the hybrid year of an accelerated bachelor's plus master's degree program; however, each request is reviewed on an individual basis.

More details on credit hour limits are available on ASU's Course Load and Concurrent Enrollment policy [17].

### Late enrollment transactions

The College of Global Futures adheres to all posted university deadlines for course enrollment, including add, drop and withdrawal. Late drops from College of Global Futures courses are not approved; however, students can withdraw from courses following the regular course withdrawal process [18]. If students wish to add a College of Global Futures course after the official add deadline, they may request special permission to do so. Instructor approval is required; however, instructor approval does not guarantee college-level approval. Add and drop deadlines are posted on the Academic Calendar [15].

### Repeat and replacement policy

Students wishing to repeat courses and possibly replace prior course grades must follow ASU's Repeating Courses policy [19] regarding the number of credit hours that are allowed to be repeated and the types of courses that are eligible for a grade replacement.

Generally, students may not repeat an undergraduate course for credit when a grade of "C" or higher is earned unless the higher grade is required for the course as part of the major.

Students wishing to repeat a course for a third time must submit a petition. Students should contact the advising office for information.

### Pass/fail grade options

Some instructors may offer courses on a grading basis of satisfactory "Y" and failing "E". With a "Y" grade, students earn credit hours, but the grade is not factored into the GPA. The pass "P" grade works similarly but is only used when an individual student receives permission from both the class instructor and the college or school prior to the add deadline for the session. Permission is recorded on the application for pass/fail enrollment form [20]. A grade of failing, or "E", is factored into the GPA. Students should see ASU grading options and definitions [21] for more information.

## Degree requirements

All undergraduate students in the College of Global Futures must complete the university's General Studies requirement [22] as well as all requirements for their majors.

### Minors

Students in the College of Global Futures may not use courses in their majors to fulfill the requirements of their minors. Similarly, they may not use courses in their minors toward their majors, with the exception of the related discipline requirement for the BA or BS in sustainability.

### Concurrent degrees

To declare a concurrent degree, current Global Futures students must meet the following requirements and any eligibility requirements of the additional degree program:

- must have completed at least 30 graded credit hours
- School of Sustainability programs: minimum cumulative ASU GPA of 3.00
- School for the Future of Innovation in Society programs: minimum cumulative ASU GPA of 2.00.

Students must follow the university process for requesting concurrent degree approval.

As a part of seeking College of Global Futures approval, students will be asked to submit a curriculum plan outlining the courses they will take each semester in order to complete both sets of degree requirements. To facilitate this plan, students should schedule an appointment [23] with a Global Futures advisor and schedule an appointment with an advisor from the academic unit offering the other desired degree to verify eligibility and discuss the requirements for both programs.

Degree combinations with too great an overlap between the required courses for each major will not be approved. For example, students may not pursue a BA or BS in sustainability as well as a BS in sustainable food systems, a BA in business with a concentration in sustainability, or a BA in interdisciplinary studies with a concentration in sustainability.

## Readmission

Students seeking reinstatement after disqualification or readmission after absence from the university should contact the College of Global Futures Student Services Center regarding procedures and guidance for returning to good standing.

When reinstatement includes readmission, application must be made through the ASU readmission process [24]. Students are eligible for readmission into the College of Global Futures once they complete either of the following:

- Raise their ASU cumulative GPA to good academic standing (2.00) by taking ASU summer session courses.
- Complete 24 or more transferable credit hours at a community college or university with no grades less than "C" and a GPA of 3.00 or higher. Courses in which the student failed or received a “D” grade at ASU should not be repeated at another institution.

## Other special requirements

### Grade appeals

The College of Global Futures follows the university policy for student appeal procedures on grades [25] and has outlined more information about the process within the college on the Global Futures website [26].

## Graduate policies

The college's graduate policies are guided by the university policies for graduate studies [27]. Graduate advising and student services are currently offered directly through each of the schools within the College of Global Futures: School for the Future of Innovation in Society [2], School of Sustainability [3] and School of Complex Adaptive Systems [4].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those outlined by the Graduate College and the College of Global Futures. Additional information about program requirements and what is required to maintain good academic standing can be found in program handbooks.

**Source URL:** https://catalog.asu.edu/policies/global_futures

**Links:**
[1] https://collegeofglobalfutures.asu.edu/
[2] https://sfis.asu.edu/
[3] https://schoolofsustainability.asu.edu/
[4] https://scas.asu.edu/
[5] https://collegeofglobalfutures.asu.edu/school-of-ocean-futures/
[6] https://provost.asu.edu/academic-integrity
[7] https://provost.asu.edu/academic-integrity/honor-code
[8] https://provost.asu.edu/academic-integrity/officers
[9] https://www.asu.edu/aad/manuals/acd/acd401.html
[10] mailto:titleixcoordinator@asu.edu
[11] https://www.asu.edu/reportit/
[12] https://collegeofglobalfutures.asu.edu/student-life/advising/
[13] https://my.asu.edu/
[14] https://collegeofglobalfutures.asu.edu/student-life/advising/undergraduate-advising/
[15] https://students.asu.edu/academic-calendar
[16] https://collegeofglobalfutures.asu.edu/student-life/advising/credit-hour-overload-request/
[17] https://catalog.asu.edu/course_load
[18] https://students.asu.edu/drop-add
[19] https://students.asu.edu/grades#repeating
[20] https://students.asu.edu/forms/application-pass-fail-enrollment
[21] https://students.asu.edu/grades#options
[22] https://catalog.asu.edu/ug_gsr
[23] https://collegeofglobalfutures.asu.edu/advising-appointment-scheduling/
[24] https://admission.asu.edu/undergrad/readmission
[25] https://catalog.asu.edu/appeal
[26] https://collegeofglobalfutures.asu.edu/student-life/advising/grade-appeal-academic-grievance/
[27] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals

# Thunderbird School of Global Management policies

For more than 75 years, Thunderbird School of Global Management has been the vanguard for global leadership and management education. Since 1946, Thunderbird has guided exceptional individuals to shape meaningful and impactful careers all over the world — as entrepreneurs and innovators; as leaders of multinational corporations and family businesses; and as individuals in government agencies, international organizations and in the nonprofit sector.

Today, people live in a time of great upheaval across the globe. The advent of the Fourth Industrial Revolution is transforming people's lives and poses seemingly unlimited opportunities for the achievement of sustainable prosperity and peace in the world. At the same time, the rise of reactionary nationalisms and parochialisms pose a fundamental challenge to the progress made from decades of global openness and integration, while the perils of overconsumption and climate change have made the planet ever more fragile.

Thus, perhaps more than ever, the world needs Thunderbird graduates, those who possess contextual global mindsets and unparalleled fluencies that enable them to work across countries, across sectors and across cultures.

## Academic integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy [1] is strictly enforced for students found in violation of this policy. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal.

For more information on graduate-specific policies, students should refer to the specific graduate student handbook and should review the Graduate College's academic integrity page [2].

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment, and Retaliation [3].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [4], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [5] website.

## Undergraduate policies

### Academic standing

To maintain satisfactory academic progress, all students in the Thunderbird School of Global Management must:

1. maintain a minimum GPA of 2.00 each semester
2. maintain a minimum cumulative GPA of 2.00

#### Probation

A student is placed on probation at the end of the fall or spring semester if their GPA is less than 2.00.

#### Continuing probation

A student is placed on continuing probation when their cumulative GPA is less than 2.00 for two consecutive semesters but they have shown academic progress.

#### eAdvisor tracking

In addition to being in good academic standing with the university, all students at Thunderbird School of Global Management must adhere to ASU critical tracking requirements, per the pertinent major map [6]. Students are off track if they fail to meet ASU critical tracking requirements.

Students who remain in off-track status for two or more consecutive semesters may be required to change majors.

### Disqualification

Students are disqualified from ASU if their cumulative GPA remains less than 2.00 for more than two consecutive semesters. Students who are disqualified are not allowed to enroll in the following fall or spring semester. They may take courses during the summer to raise their GPA; however, this does not guarantee reinstatement for the following fall semester. Disqualified students must follow the procedures for readmission; requests will be reviewed by the college on a case-by-case basis.

### Remediation

Students are required to meet with an academic advisor if they are placed on probation, continuing probation, off-track status or are at risk for disqualification, at which point an appropriate remediation plan will be discussed.

## Advising

Thunderbird School of Global Management is committed to the personal, social and academic experiences of students by providing high-quality, student-centered academic advising, ensuring the accuracy and accessibility of information and resources, and partnering with students to help them reach their career goals.

Academic advising is required for the following students:

- All first-year and new transfer students are required to meet with an academic advisor before course registration. Thus, first-year students are required to meet with an academic advisor prior to both their first and second semesters.
- Students not in good academic standing status (i.e., on probation, continuing probation, off-track status, disqualification, etc.) are required to meet with an academic advisor to discuss a remediation plan.

Faculty and staff utilize academic status reports [7] to provide students feedback over the course of the academic semester and year. Academic status reports may be used to identify students who are struggling academically or professionally or to recognize students who are exceeding in coursework. Academic advisors and faculty mentors may access ASRs to provide students with valuable insight into performance improvement.

## Credit and registration

### Course load

Students are allowed to register for a maximum of 18 credit hours per semester. To register for more than the maximum allowable, students may petition their Thunderbird School of Global Management academic advisor. No student should assume that a petition for overload will be granted. For more information, students should review the Course Load and Concurrent Enrollment policy [8].

### Transfer work

Transfer credits from other institutions may be accepted and applied based on the student's major. Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades lower than "C" (2.00) transfer to ASU. Credits transferred from a community college or two-year institution are applied as lower-division credits. Thunderbird School of Global Management recommends that students work closely with their academic advisor to determine the process for applying pertinent transfer credit hours to their program of study. For more information on the transfer process and a list of the courses transferable to the various degree programs, students should consult their advisor and refer to the ASU transfer tools [9].

### Course prerequisites

Course prerequisites are established to ensure student success in a course. Students must complete all course prerequisites prior to enrolling in the desired course. Prerequisite overrides may be granted under the following conditions:

- A transfer course has been accepted by an advisor to fulfill a required course prerequisite.
- A prerequisite override has been granted by an advisor, instructor or other authority.

### Grade of incomplete

A grade of "I" (incomplete) [10] for a course may be granted by permission of the instructor under the following conditions:

- The student is in good standing academically at ASU.
- The student has completed a substantial portion of the required coursework.

- The student has experienced extenuating circumstances prior to the end of the semester, preventing completion of the course.

If qualified, students have one calendar year to complete course requirements. If requirements are not met per the standards agreed upon with the course instructor after one calendar year, the incomplete will be adjusted to reflect a course failure.

## Pass/fail grade option

A grade of "Y" (satisfactory) contributes to a student's earned credit hours but does not affect the GPA. A failing grade of "E" is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted by the instructor and college offering the course.
- The pass/fail option was chosen during initial registration for the course, if available.

Thunderbird students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy first-year composition requirements
- those taken from the student's major, minor or certificate program
- those taken for honors credits
- those counted toward satisfying Thunderbird General Studies requirements
- those counted toward satisfying Thunderbird language and culture proficiency requirements

Pass/fail credit taken at another institution may be petitioned for use, but only if the student can demonstrate proof that the pass grade was equivalent to a "C" (2.00) or greater.

## Withdrawal

**Complete session withdrawal information**
Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, undergraduate students are required to contact the college or school of their major to facilitate the withdrawal process.

Students must complete the following steps in the order in which they are listed:

1. fill out a complete session withdrawal form [11]
2. meet with a Thunderbird academic advisor

ASU has many resources in place to help students. Students may want to consider one or more of the following:

- Withdraw from just one or two classes (course withdrawal). Students may withdraw from a class while remaining enrolled in other classes as long as the withdrawal is completed between the drop deadline and the course withdrawal deadline. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements. Students also are encouraged to contact a financial aid representative to consider any impact withdrawing will have on scholarships, grants and loan packages.
- Request a medical or compassionate withdrawal. Medical or compassionate withdrawals are available for students withdrawing from one or more classes due to extraordinary personal mental or physical health conditions or the death or serious illness of a family member or close friend. If approved, students are allowed one medical or compassionate withdrawal during their academic career with Thunderbird. For information concerning medical or compassionate withdrawal requests, students should see the Medical and Compassionate Withdrawal policy [12], and they may obtain the form online (PDF) [13].
- Seek tutoring or academic support services. University Academic Success Programs [14] provides a variety of services to help students become better learners and gain the confidence and skills they need in order to achieve their academic goals. Services include writing centers, math tutoring, subject area tutoring and supplemental instruction.
- Make an appointment with ASU Counseling Services. Counseling and mental health services are provided at each of the four ASU campuses as well as via telehealth appointments. ASU students may seek services at any of the campus counseling centers [15], regardless of their college affiliation.
- Explore the possibility of an "I" grade (incomplete).

The following are possible consequences that result from a complete session withdrawal:

- **financial aid** --- Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal of financial aid depends on when the withdrawal is dated and the type of financial aid. More information is at ASU Financial Aid and Scholarship Services [16].
- **tuition and refunds** --- The date of a complete withdrawal determines whether or not a tuition refund will be generated. Students should review the Tuition Refund policy [17] for more information.
- **health insurance** --- Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- **University Housing** --- Students who live on campus should contact their residence hall community staff to determine what impact withdrawing will have on their eligibility to live on campus, to complete a license agreement release [18] form, and to arrange an appointment to officially check out. More information is at the University Housing [19] website.
- **veteran benefits and certifications** --- Students should contact the appropriate veteran benefits and certifications office to discuss information regarding veterans' educational benefits and military activation. For more information, students should email ptvc@asu.edu [20] or visit the Pat Tillman Veterans Center [21] website.

For general university withdrawal procedures, students should review the university Drop, Add and Withdrawal policies [22].

## Degree requirements

All candidates for graduation in the BGM or BS curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division coursework. A minimum cumulative GPA of 2.00 is required for graduation.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.

To graduate, a student must satisfy the following requirements:

1. ASU 101 or equivalent (first-year students)
2. college proficiency requirements for language
3. university first-year composition [23] and General Studies [24] requirements
4. an additional six credit hours consisting of three credit hours of literacy (L) and three hours total of humanities, arts and design (HU)/social-behavioral sciences (SB) at the upper-division level in addition to 29 credit hours of General Studies coursework
5. major requirements that involve concentrated coursework in one program
6. successful completion of critical-tracking courses as required on the student's major map

For more information regarding eAdvisor tools, students should visit the eAdvisor [25] website.

### Language proficiency requirement

Each student is required to demonstrate proficiency in the analysis of language by passing an examination or by completing the courses specified below with a grade of "C" (2.00) or greater in each course. Students considering graduate work after completion of the bachelor's degree should consult with faculty advisors regarding language requirements in their intended areas of study. Students should see the program major map for the specific language requirement and contact the advising office for information on applicable coursework.

The language proficiency requirement may be satisfied through one of the following:

- completion of secondary education at a school in which the language of instruction is not English
- completion of a language course at the intermediate level (202 or equivalent)
- completion of an upper-division course or courses taught in a foreign language, taken in the United States or the relevant country
- completion of six credit hours of upper-division courses that have the global awareness designation (G) or cultural diversity in the U.S. designation (C) in addition to the courses used to meet the university General Studies requirements

Students whose native language is not English who choose to take a second language must meet or exceed a TOEFL score of 100 or more to register for a non-English language class in the first or second semesters. All students whose native language is not English may register for a language class in their third semester. The first two semesters of English immersion aim to solidify students' English proficiency before a new language is attempted.

### Concurrent degrees

Thunderbird School of Global Management allows students to request approval to pursue a concurrent degree through the university approval process. There must be a minimum of 30 unique credit hours taken for each degree program, and degree combinations with significant curricular overlap might not be approved.

Students interested in applying for a concurrent degree should consult with their academic success advisor about the feasibility of a concurrent degree and also must meet the following criteria:

1. attained sophomore standing or higher
2. have a minimum cumulative GPA of 3.00
3. have completed a minimum of 12 credit hours of coursework in the first major
4. must follow approval criteria procedures for both colleges

**Incompatible concurrent degrees**
BGM in global management/BS in international trade

For more information on degree requirements, students should reference Degree Search [26].

### Minors

Thunderbird students may pursue minors [27] in other colleges at ASU. Courses used in the minor may not be used in the student's major program.

## Readmission

Undergraduate degree-seeking students are eligible to return through quick re-entry [28] if they previously attended ASU but have not enrolled at ASU for up to seven consecutive semesters. These students are not required to submit a new application or application fee, but they must contact a Thunderbird academic advisor to enroll.

Undergraduates who have been away from the university for eight or more semesters and want to return to ASU in a Thunderbird program are required to apply for readmission [29] through Admission Services.

Disqualified students must follow the procedures for readmission; requests will be reviewed by the college on a case-by-case basis.

## Other special requirements

### Grievance policy

Undergraduate students with grievances pertaining to an enrolled course should first address issues with the course instructor. If an identified grievance is not resolved with the course instructor, the student should next seek resolution through the academic advisor and, lastly, from Thunderbird's academic director of undergraduate programs. Finally, if no resolution has been achieved, the student should contact the dean of faculty at Thunderbird School of Global Management.

# Graduate policies

## Academic progression

Each graduate program in the Thunderbird School of Global Management adheres to specific academic requirements. Students are strongly encouraged to become familiar with the expectations listed for their respective graduate program as well as review ASU Graduate College policies [30] and the Thunderbird Graduate Student Handbook. Each student should also communicate directly with their program coordinator or academic advisor to ensure a clear understanding of all degree requirements and program expectations. Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and must abide by all university policies including those of the Graduate College and the Thunderbird School of Global Management.

All Thunderbird graduate programs require a minimum cumulative, graduate and iPOS GPA of 3.00. Students should see the individual graduate degree programs for additional requirements on satisfactory academic progress, probation and disqualification.

## Credit and registration

Because of the intensity of the Thunderbird graduate programs, the maximum number of credit hours students may take each semester may be limited. Students should see the Thunderbird Graduate Student Handbook for more information.

Students may petition the Thunderbird School of Global Management Standards Committee through their academic director to register for more than the maximum allowable number of credit hours. No student should assume that a petition for overload will be granted.

**Source URL**: https://catalog.asu.edu/policies/global-management

**Links:**
[1] https://provost.asu.edu/academic-integrity
[2] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/academic-integrity
[3] https://www.asu.edu/aad/manuals/acd/acd401.html
[4] mailt:titleixcoordinator@asu.edu
[5] https://www.asu.edu/reportit/
[6] https://degrees.apps.asu.edu/majormaps
[7] https://students.asu.edu/asrr
[8] https://catalog.asu.edu/course_load
[9] https://admission.asu.edu/transfer/transferring-credits
[10] https://students.asu.edu/forms/incomplete-grade-request
[11] https://students.asu.edu/forms/withdrawal
[12] https://students.asu.edu/forms/medical-compassionate-withdrawal-request
[13] https://students.asu.edu/files/Medical-Compassionate%20Withdrawal%20Request.pdf
[14] https://tutoring.asu.edu/student-services
[15] https://eoss.asu.edu/counseling/about-us/location-and-hours
[16] https://tuition.asu.edu/financial-aid
[17] https://tuition.asu.edu/billing-finances/tuition-refund
[18] https://housing.asu.edu/housing-resources/license-agreements/release
[19] https://housing.asu.edu/housing-communities/residential-colleges/thunderbird-school-of-management
[20] mailto:ptvc@asu.edu
[21] https://veterans.asu.edu/
[22] https://students.asu.edu/drop-add
[23] https://english.asu.edu/admission/first-year-composition-courses
[24] https://catalog.asu.edu/ug_gsr
[25] https://eadvisor.asu.edu/
[26] https://degrees.apps.asu.edu/bachelors
[27] https://catalog.asu.edu/minors
[28] https://catalog.asu.edu/glossary#quickreentry
[29] https://admission.asu.edu/undergrad/readmission
[30] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals

# College of Health Solutions policies

The College of Health Solutions translates health research and discovery into practice and prepares students to address the challenges facing people who wish to stay healthy, improve their health and manage chronic disease. Programs are offered in biomedical informatics and biomedical diagnostics, kinesiology, sports and exercise science, health care delivery, nutrition, population health, and speech and hearing science. Students, faculty and staff at the College of Health Solutions work together toward a common goal of improving health outcomes by optimizing health and human performance across the lifespan and addressing systems of health care and health needs of populations. Graduates of the college are uniquely prepared to make an impact in the health workforce and shift the focus of health from sickness to wellness.

**Health equity and inclusion**
The College of Health Solutions is on a mission to improve the mental and physical health of both larger and immediate communities by better understanding the challenges that individuals and populations face, while striving to be part of the solution. The college is committed to the idea that every member of society should have the opportunity for good health and wellness throughout their lifespan. In an effort to actualize this ideal, the college embraces and supports greater justice, diversity, equity and inclusion in everything it does, including teaching, research, service and clinical practice.

Students can learn more about the College of Health Solutions' commitments to justice, equity, diversity and inclusion [1].

## Academic integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Academic Integrity policy [2] is strictly enforced, and for students found in violation of this policy possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal.

For more information on graduate-specific policies, students should refer to College of Health Solutions forms and policies [3], and they should review the Graduate College's policies and resources for academic integrity [4].

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment, and Retaliation [5].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [6], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [7] website.

## Undergraduate policies

### Academic standing

The standards for GPA and the terms of academic warning, academic probation or continuing probation, disqualification and reinstatement are identical to those of the university, as set forth under the Retention and Academic Standards [8] policy.

#### Academic good standing

For the purpose of retention, university academic good standing [9] for degree-seeking students is defined as maintaining a minimum cumulative GPA of 2.00. This standard is in effect for all students, regardless of catalog year.

#### Academic warning and probation

An ASU student who does not achieve the minimum GPA standard at the completion of the first term of study will receive an academic warning [10]. If after one term with an academic warning a student still does not achieve the minimum GPA standard, the student will be placed on probation for at least one additional term. If a student's minimum GPA first falls

below the standard in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

If a student is placed on academic warning or probation, they will receive communication from the college indicating next steps and requirements.

Students on academic probation receive an advising hold and are required to complete the academic refresher course UNI 220 Mindset Connections. UNI 220 will appear on the student's DARS as a graduation requirement.

### Continuing probation

Students are placed on continuing probation when their cumulative GPA is less than 2.00 for two consecutive semesters but they have shown academic progress and have not earned less than a "C" in any course in the most recent semester.

### Disqualification

Students are disqualified from the College of Health Solutions and ASU if their cumulative GPA remains lower than 2.00 for two consecutive semesters after they were placed on probation. Students who are disqualified cannot enroll in classes at ASU for a minimum of two semesters (fall and spring). Disqualified students may take courses during the summer to raise their GPA; however, this does not guarantee reinstatement for the following fall semester. Disqualified students must apply for readmission or reinstatement for the semester they wish to return to the university. The college will not reinstate a student into any major that prepares students for professional school or professional credentialing, nor will the college reinstate students into majors in which they have twice failed to complete a required course at ASU.

### eAdvisor tracking

In addition to being in university good academic standing, all students in the College of Health Solutions must adhere to ASU critical tracking coursework, per the pertinent major map [11]. For more information on critically tracked courses, students should review the major map for their degree program. Students are off track if they fail to meet one or more critical requirements as stated in terms 1-4 of their major map in a given fall or spring semester. All off-track students receive a hold requiring them to meet with their academic advisor and set a plan for getting back on track with their degree program.

Students who remain off track for two or more consecutive semesters may be required to change majors.

## Advising

The Student Success Hub in the College of Health Solutions is committed to maximizing the academic, social and personal experiences of students by providing high-quality, student-centered academic advising [12]. Academic advisors are trained to know degree requirements and can assist students with planning their courses in an appropriate sequence as well as ensuring they have the resources necessary to reach their career goals in health and health care. Students can direct most university-related questions to their advisor and they can guide students to available resources. Advisors are available to meet with students in each of the undergraduate programs in-person or by phone or Zoom.

Students can monitor their own academic progress utilizing tools like their graduation audit (DARS) and their My Major Map progress found on My ASU. The DARS Explainer Experience [13] provides more information.

The following students receive academic advising holds and are required to consult with their academic advisor to be eligible to register for their courses:

- all new first-year and transfer students
- students newly readmitted to the university
- students not in satisfactory academic standing status (e.g., probation, continuing probation, off-track status)

### Pre-health advising

Pre-health advising [14] supports students who are interested in pursuing careers in medicine, veterinary medicine, optometry, dentistry, chiropractic medicine, pharmacy, occupational therapy, physical therapy or who want to become a physician assistant. Pre-health advising offers guidance on career pathways, application timelines, prerequisite requirements, personal statement reviews and mock interviews, including multiple mini interviews.

## Credit and registration

### Course load limit

For fall or spring semesters, a minimum full-time course load for an undergraduate student is 12 credit hours. The maximum course load for which a student may register is 18 credit hours during a fall or spring semester, with a maximum of nine credit hours in session A or B, and the load limit may not exceed a total of 18 credit hours for any combination of sessions. The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed a total of 14 credit hours for any combination of sessions.

A student wishing to register for more than the maximum credit limit per term must petition to obtain an approved overload prior to registration. Additional instructions to petition can be found on the college's undergraduate student forms and policies [15] site.

### Graduate credits earned by undergraduate students

Undergraduate students interested in taking graduate-level credits while enrolled in a bachelor's degree program must adhere to the university policy for graduate credits earned by undergraduate students [16]. Before registering for a graduate-level course, undergraduate students must petition [17] the College of Health Solutions Academic Standards and Grievances Committee through their academic advisor for permission to enroll in a specific course.

Accelerated bachelor’s plus master’s degree programs may use a maximum of 12 preadmission credits which may include up to a maximum of 12 credit hours shared between the programs. Students in accelerated programs should contact their advisor to ensure proper sharing of credit hours. Students who have been accepted to an accelerated degree program do not have to petition the standards committee to take the shared courses.

## Degree requirements

### Experiential learning

Bachelor's degree programs in the College of Health Solutions require students to complete a credit-bearing experiential learning opportunity. Students must complete at least three credit hours of experiential learning but are encouraged to pursue a variety of opportunities, including translational research, internships and other hands-on experiences. Students can find detailed information on how this requirement can be completed for their specific degree program on the College of Health Solutions experiential learning [18] site.

### Concurrent degrees

Students at Arizona State University are permitted to pursue concurrent degrees as long as they meet the requirements for both programs and receive permission in advance from the college or colleges offering their chosen majors. College of Health Solutions students are required to meet specific criteria prior to starting the university approval process. Students interested in applying for a concurrent degree should consult with their academic advisor about the feasibility of a concurrent degree with their overall graduation plan.

If a student is adding a concurrent major outside of the college, the university approval process must completed both for the College of Health Solutions and the college of the other major.

Students earn a separate diploma for each degree. Degrees may not be too closely related and will be reviewed by an academic advisor during the approval process. In order to add a concurrent degree, there must be a minimum of 30 unique credit hours of coursework in each degree program.

**The College of Health Solutions minimum requirements to add a concurrent degree are:**

1. sophomore standing or higher
2. minimum GPA of 3.00
3. minimum of 12 credit hours of coursework completed in the first major
4. minimum of nine credit hours of coursework completed in the second major

## Reinstatement/readmission

Undergraduate degree-seeking students who previously attended ASU but have not been enrolled at ASU for up to seven consecutive semesters are eligible to return through quick re-entry [19]. Students do not need to submit a new application or application fee, but they must contact an academic advisor in their program for registration. Exceptions may apply, including for students on leaves of absence and students who serve in the military.

Students who have been disqualified from ASU and would like to return to a major in the College of Health Solutions are encouraged to schedule an appointment with an assistant director of academic services to discuss requirements and recommendations. Disqualified students must follow ASU procedures for readmission [20]. Exceptions may apply, including for students on leaves of absence and students who serve in the military. The college will not reinstate a student into any major that is meant to prepare students for professional school or professional credentialing nor will the college reinstate students into majors in which they have twice failed to complete a required course at ASU.

## Graduate policies

### Academic standing

Each graduate program in the College of Health Solutions adheres to specific academic requirements. Students are strongly encouraged to become familiar with the expectations listed in their respective graduate program handbook [3].

### Academic advising

It is important for graduate students in the College of Health Solutions to cultivate the following skills in their development as health professionals:

- proactively identify problems and possible solutions
- accept feedback in a positive manner
- modify performance in response to feedback
- communicate with others in a respectful and confident manner
- assume responsibility for learning

Academic advising at the graduate level is facilitated by graduate support staff [21] in the Student Success Hub.

Faculty advisors meet with students in the academic area of concentration.

**Source URL:** https://catalog.asu.edu/policies/chs

**Links:**
[1] https://chs.asu.edu/about/diversity-and-inclusion
[2] https://provost.asu.edu/academic-integrity/policy
[3] https://graduate.chs.asu.edu/academic-support/forms-and-policies
[4] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/academic-integrity
[5] https://www.asu.edu/aad/manuals/acd/acd401.html
[6] mailto:titleixcoordinator@asu.edu
[7] https://www.asu.edu/reportit/
[8] https://catalog.asu.edu/retention_standing
[9] https://catalog.asu.edu/glossary#goodstanding
[10] https://catalog.asu.edu/glossary#warning
[11] https://degrees.apps.asu.edu/majormaps
[12] https://students.chs.asu.edu/advising
[13] https://goto.asuonline.asu.edu/dars/
[14] https://prehealth.asu.edu/
[15] https://students.chs.asu.edu/advising/forms-and-policies#accordion-content-68
[16] https://catalog.asu.edu/course_load
[17] https://students.chs.asu.edu/advising/forms-and-policies
[18] https://students.chs.asu.edu/gain-experience/experiential-learning-courses
[19] https://catalog.asu.edu/glossary#quickreentry
[20] https://admission.asu.edu/undergrad/readmission
[21] https://graduate.chs.asu.edu/academic-support/your-advisors

# Honors - Barrett, the Honors College policies

Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett, The Honors College. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records and high school class ranking within their graduating class. Barrett will continue to be ACT and SAT “test blind” for spring 2023 and fall 2023; scores will not be considered even if submitted. Students will, however, be asked to share their Advanced Placement and International Baccalaureate test results on the Barrett application, as well as indicate instances where test-sitting cancellations impacted their plans to complete an AP or IB examination. The college also values students who have special talents and aptitudes, exhibit leadership qualities, have unusual life experiences, and display community involvement. High school GPAs used in the evaluation process are calculated in accordance with the Arizona Board of Regents competency requirements, pursuant to ABOR Policy 2-121 Undergraduate Admission (PDF) [1].

The Barrett admission application and additional information about the college and its activities are available at the Barrett website [2].

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU’s policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [3].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [4], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [5] website.

## Undergraduate policies

### Advising

Barrett students have advisors in their major, an assigned Barrett honors advisor [6], and faculty honors advisors in departments throughout the university. Students are encouraged to stay in regular contact with all these resources and are required to complete mandatory advising sessions with their Barrett honors advisor during the first, second and third year of study. To schedule an appointment with a Barrett honors advisor, students should call 480-965-9155 (Tempe campus), 602-496-1757 (Downtown Phoenix campus), 480-727-5539 (Polytechnic campus) or 602-543-3410 (West campus), or visit the online Barrett Appointment Scheduling System [7].

Students can review honors opportunities in majors through the Faculty Honors Advisors [8] page. There are also special preprofessional advising opportunities [9] for Barrett students. Students should contact the Barrett advising office for more information.

### Degree requirements

#### Barrett academic course requirements

Honors students must maintain high standards of academic performance and show progress toward completion of graduation requirements in their disciplinary majors and in Barrett.

In order to graduate from Barrett, students must complete the following, which includes 36 credit hours of honors coursework:

1. HON 171 The Human Event and HON 272 The Human Event is expected to be completed in sequence during a student's first two semesters in the college.
2. Thirty additional credit hours of honors coursework must be earned with a letter grade of "C" (2.00) or higher. This may include HON prefix classes, honors sections of classes, honors enrichment contracts, internship and research credit, honors study abroad programs, and graduate level coursework.

3. Included in the 36 credit hours of honors coursework are at least 18 hours of upper-division or graduate-level honors credits for an earned letter grade of “C” (2.00) or higher. Students should investigate specialized honors, upper-division tracks within their majors.
4. Students are required to complete an honors thesis or creative project that will earn them a maximum of six credit hours. These credit hours will be included in the 18 required hours of upper-division honors coursework. The honors thesis or creative project is launched with a prospectus that is due one academic semester before the defense. Prior to enrolling for credit for a thesis or for creative project work, students must complete a required preparatory workshop or course. The final copy of the honors thesis or creative project must be filed by the posted deadline during the student’s graduation semester.
5. ASU graduation requirements in an academic major must be met.
6. Students must earn a cumulative GPA of 3.25 or higher by graduation.

Barrett course requirements may be met in a variety of ways. Only courses in which a student receives a grade of “C” (2.00) or higher may be used to meet Barrett requirements.

Those entering the college as lower-division students may take as many as 18 lower-division honors credits, which include HON 171 The Human Event and HON 272 The Human Event, and at least 18 upper-division credits (total honors credits must be 36). HON 171 and HON 272 are transdisciplinary seminars that acquaint students with ideas that form the foundation of a university education and emphasize critical thinking, discussion and writing.

Those who enter as upper-division students must take 21 upper-division honors credits, including HON 370 History of Ideas taught by an Honors Faculty Fellow and 18 credit hours of upper-division honors coursework. Upper-division transfer students are required to complete 21 credit hours of upper-division honors coursework.

Those who enter as Barrett Online students must take 21 upper-division honors credits, including HON 370 History of Ideas taught by an Honors Faculty Fellow and 18 credit hours of honors coursework. Lower- and upper-division credits may apply toward the 18 hours of honors coursework through oCourses.

Departmental honors-only courses are limited to honors students. Compared to their nonhonors equivalents, these courses are designed to offer a richer, more complex intellectual experience appropriate to the discipline and the level of the course for all students enrolled. Other disciplinary honors courses group honors students in small cohorts to work on research projects of common interest or offer mixed classes of honors and nonhonors students with specific honors opportunities.

Honors enrichment contracts are available in many departmental courses, allowing honors students to contract with the instructors of designated nonhonors courses to earn honors credit by pursuing enrichment activities, which include supplemental sessions with the instructor. Honors enrichment contracts are filed during the first weeks of the session and are to be completed during the semester in which the course is offered. The enrichment contract form offers guidelines to aid students and faculty in developing appropriate contracts. Contract work is due on the last day of the session unless otherwise indicated by the supervising faculty member.

Courses reserved for students in Barrett and that always count for honors credit are those listed in the online ASU Class Search and Course Catalog [10] as course numbers 492 Honors Directed Study, 493 Honors Thesis, and 497 Honors Colloquium; all classes with the HON prefix; and those with a departmental prefix or course note that carry the honors designation. Barrett recognizes internship, research, teaching assistant courses and 500 level graduate courses for honors credit. Students may consult with the Barrett advising office for additional honors course credit opportunities including courses coded for automatic honors credit such as ENG 105. The Honors courses [11] webpage provides guidance on honors courses.

Departmental courses numbered 492 and 493 are reserved for honors students completing their honors thesis or creative project. A student may enroll for these courses with approval from the sponsoring academic department and the faculty member who serves as the student’s thesis or creative project director. Course numbers listed in the ASU schedule of classes as 493 fulfill the student’s upper-division literacy and critical inquiry (L) General Studies requirement.

**Source URL:** https://catalog.asu.edu/policies/barrett

**Links:**
[1] https://public.azregents.edu/Policy%20Manual/2-121-Undergraduate%20Admission.pdf
[2] https://barretthonors.asu.edu/admissions
[3] https://www.asu.edu/aad/manuals/acd/acd401.html
[4] mailto:titleixcoordinator@asu.edu
[5] https://www.asu.edu/reportit/

[6] https://students.barretthonors.asu.edu/academics/advising-directory
[7] https://bass.barrett.asu.edu/?check_logged_in=1
[8] https://students.barretthonors.asu.edu/faculty/faculty-honors-advisors
[9] https://students.barretthonors.asu.edu/enhance-your-experience/pre-professional-resources
[10] https://catalog.apps.asu.edu/catalog/classes
[11] https://students.barretthonors.asu.edu/academics/honors-courses

# College of Integrative Sciences and Arts policies

The College of Integrative Sciences and Arts provides students throughout the university with the knowledge and skills to comprehend and effectively engage today's changing world at local, national and global levels. The college offers graduate and undergraduate degree programs that prepare students for a rapidly changing marketplace and offers foundational instruction in humanities, social sciences, mathematics, sciences and professional fields.

## Academic integrity

Academic honesty is expected of all students in all examinations, papers, projects, partnerships, internships, academic transactions and records. Possible sanctions include appropriate grade penalties, loss of registration privileges and disqualification. The College of Integrative Sciences and Arts adheres strictly to the ASU Academic Integrity Policy [1], and all concerns related to academic integrity must be reported to the college's academic integrity officer.

To learn more about academic integrity for CISA students or to report a concern, students should refer to the college's student academic integrity [2] site.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [3].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, Students should email titleixcoordinator@asu.edu [4], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [5] website.

## Undergraduate policies

### Academic standing

To be considered in academic good standing in the College of Integrative Sciences and Arts, students must achieve a cumulative GPA of 2.00 or higher.

#### Academic warning

Students who do not achieve a 2.00 GPA at the completion of their first term of study will be placed on academic warning. Upon the completion of a second term, students who achieve a cumulative GPA of 2.00 or higher will be placed in university good standing. Students who do not achieve a cumulative GPA of 2.00 or higher after the completion of a second term will be placed on university academic probation.

#### Probation

All College of Integrative Sciences and Arts students who are not in good standing, including students on academic warning, are required to complete the CISA Rising Scholars Online Workshop. This workshop provides additional information on academic standing status and helps students explore strategies to return to good standing.

Students who do not achieve a 2.00 GPA will be placed on university academic probation and must meet with an academic success advisor to discuss academic success strategies. Students on academic probation are required to take UNI 220 Mindset Connections. UNI 220 will appear on the students' DARS as a graduation requirement.

Within one semester, a student on academic probation must do either of the following:

- Achieve a cumulative ASU GPA of 2.00 or higher, to return to academic good standing.
- Obtain a semester GPA of 2.00 or higher, to be continued on probation. Students on continued academic probation may continue for as many semesters as needed to achieve academic good standing.

### Disqualification

Students who fail to meet the criteria for continued probation may be disqualified from ASU. Students who have been disqualified may attend summer sessions but not fall or spring sessions.

Once readmitted, the student will be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet ASU academic good standing (2.00). Failure to do so will result in disqualification from the university.

## Academic policy appeals

Academic appeals regarding college policies or other variances or exceptions should be discussed with the student's academic success advisor, and students may be required to submit a College of Integrative Sciences and Arts Standards Committee petition [6]. Some petitions may require a secondary review by the ASU University Undergraduate Standards Committee.

## Academic advising

All students are encouraged to seek advising from their academic success advisor [7] prior to registration. Students must review the academic calendar [8] each semester for information and deadlines pertaining to enrollment including course adds, drops and withdrawals.

The ASU academic catalog is the governing source for all degree requirements. Students are expected to read the requirements for university general studies, college graduation and major degree requirements.

### Mandatory advising

The following students in the College of Integrative Sciences and Arts must receive advising clearance prior to course registration:

- new students in their first semester of attendance
- readmitted students in their first returning semester
- students on academic probation or continued probation
- students who have been disqualified
- students who are off track for graduation

Students are encouraged to use My ASU [9] to check their advising status requirements each semester before attempting any registration transactions.

## Credit and registration

Students enrolling in courses offered by the College of Integrative Sciences and Arts are expected to follow the rules and deadlines specified in this catalog and the current registration and tuition payment guide. Students are encouraged to meet with their academic success advisor prior to registration.

### Course load

Students may enroll in a maximum number of 18 credit hours per fall or spring semester, with a maximum number of nine credits taken in session A or session B. Students may enroll in a maximum of 14 credit hours for a summer session, with no more than seven credits in session A or B. Students may enroll in a maximum of nine credit hours for the summer session C (eight weeks).

Any student wishing to enroll in more than the 18 credit hour limit in the fall or spring (or 14 in summer) or more than the nine credit hour limit in an A or B session (or seven hour limit in summer) should first meet with their academic success advisor to discuss a course overload. Some overload requests may require College of Integrative Sciences and Arts standards petition approval.

The ASU Catalog has further details on credit hour limits [10]. Students should refer to the CISA petitioning process [6] prior to submitting a standards petition.

### Repeat/replace policy

Students wishing to repeat courses and possibly replace prior course grades must follow SSM 203-06, the repeat/replace policy [11] stated in the University Student Services Manual [12], regarding the number of credit hours that can be repeated and the types of courses that are eligible for a grade replacement.

Students wishing to repeat a course for a third time must petition the College of Integrative Sciences and Arts Standards Committee.

### Pass/fail grade options

A “P” grading option is used to indicate a passing grade of “D” or higher in a class when an individual student receives permission from both the class instructor and their college or school. If the student earns a “P” grade, they will earn credit hours, but the grade is not used for computing GPA. If requirements for the “P” grade are not met, a failing “E” grade is applied. The failing grade of “E” is calculated in GPA. The “P” grade does not meet requirements for course or program progression where a “C” or better is required.

The pass/fail grade option may be used under the following conditions:

- The pass/fail option is available for the specific course.
- Approval has been granted by the instructor and the college offering the course, prior to the start of class.
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the add period.
- A maximum of 12 credit hours taken for pass/fail may be counted toward graduation.

College of Integrative Sciences and Arts students may not enroll under the pass/fail option in the following courses:

- first-year composition requirements
- major, minor, concentration area or certificate program required courses
- honors credits
- language proficiency requirements
- General Studies requirements

### Satisfactory (“Y”) grade option

The "Y" grade is generally used as a grade for successfully completed internships, projects, reading and conference, research, seminars, theses, dissertations and workshops. Students earn credit hours for a "Y" grade, but the grade is not used for computing GPA. If requirements for the "Y" grade are not met, a failing “E” grade is applied. The failing grade of "E" is calculated into GPA. The "Y" grade may meet requirements where a "C" or better is required. However, there may be some exceptions. For more information about the "Y" grade option, students should contact their academic advisor.

The "Y" grade option only may be used under the following conditions:

- The "Y" grading option is available for the specific course.
- Approval has been granted by the instructor and the college offering the course.
- The "Y" grading option was chosen during initial registration for the course, if available.

### Audit grade option

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses. This grade option may not be changed after the add period.

## Degree requirements

All candidates for graduation with a bachelor's degree are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation. All new College of Integrative Sciences and Arts first-year students are required to enroll in an ASU 101 course during their first ASU semester.

### Associate degrees

Students in the Associate of Arts programs should refer to their major map and the University Associate Degree Graduation Requirements Policy [13] for minimum credit hour, GPA and other degree requirements

### Minors

The college offers minors in many of its disciplines. All minors must entail a minimum of 15 credit hours in the discipline, with at least 12 of those hours as upper-division courses.

- Six of the upper-division credit hours must be taken from courses offered by the College of Integrative Sciences and Arts.
- Students may not use courses in their minors toward major core requirements and, similarly, students may not use courses in their major core requirements to fill the requirements of their minors. Students should see an academic success advisor for more details.
- Some disciplines are too close in content for a student to choose a particular combination of minor and major.

### Concurrent degrees

The College of Integrative Sciences and Arts allows undergraduate students to request approval to pursue a concurrent degree through the university approval process. Students must have completed at least 30 graded credit hours with a minimum GPA of 2.00. Concurrent degrees may not be from the same discipline or have overlap in the courses required for each major. Students must earn at least 30 unique credit hours for each degree.

To request a concurrent degree, students must meet with an academic success advisor in each degree program as part of the approval process.

### Critical and necessary requirements

All undergraduate majors at ASU provide an eight-term course plan (major map) leading to four-year graduation. College of Integrative Sciences and Arts students must meet the critical and necessary requirements listed on their major maps.

A student who does not comply with the critical requirements is off track and will have a hold placed on their record preventing enrollment. To remove the enrollment hold, the student will be required to meet with a College of Integrative Sciences and Arts academic success advisor to discuss their progression toward graduation. For more information about critical requirements, students should refer to the corresponding major map or eAdvisor [14].

### Readmission

Students who have been disqualified from ASU may be readmitted to the College of Integrative Sciences and Arts for a fall or spring semester if they complete either of the following:

- Achieve a cumulative ASU GPA of 2.00 by taking ASU summer session courses.
- Complete 12 or more transferable credit hours at a community college or university with no grade lower than a “C” and a GPA of 2.50 or better. Courses in which the student failed or received a “D” at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet the required 2.00 GPA to remain at ASU. Failure to do so will result in disqualification from the university.

## Graduate policies

Students should review the ASU Graduate College policy manual [15].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies, including those established by the Graduate College and the College of Integrative Sciences and Arts.

**Source URL:** https://catalog.asu.edu/policies/sls

**Links:**
[1] https://provost.asu.edu/academic-integrity
[2] https://cisa.asu.edu/academic-integrity/students#
[3] https://www.asu.edu/aad/manuals/acd/acd401.html
[4] mail:titleixcoordinator@asu.edu
[5] https://www.asu.edu/reportit/
[6] https://cisa.asu.edu/standards_petitions
[7] https://cisa.asu.edu/advising
[8] https://students.asu.edu/academic-calendar

[9] https://webapp4.asu.edu/myasu/
[10] https://catalog.asu.edu/course_load
[11] https://www.asu.edu/aad/manuals/ssm/ssm203-06.html
[12] https://www.asu.edu/aad/manuals/ssm/index.html
[13] https://catalog.asu.edu/associatereq
[14] https://eadvisor.asu.edu/
[15] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals

# New College of Interdisciplinary Arts and Sciences policies

The New College of Interdisciplinary Arts and Sciences [1] offers interdisciplinary programs built upon the foundation of disciplines such as English, history, philosophy, psychology, forensic psychology, social justice and human rights, sociology, communication, mathematics, biology, and statistics. Through unique combinations and innovative partnerships, the college offers many diverse degrees, among them forensic science, applied computing, Latin American studies, interdisciplinary arts and performance, conflict resolution, and political science. New College degrees provide students with future-focused skills, enabling them to contribute meaningfully to solving the most critical and complex challenges of today and tomorrow. Students are prepared to steward sustainable societies that incorporate ethics and a respect for human rights, a regard for the environment, and an appreciation of culture and language, while at the forefront of innovation in science and technology.

## Academic integrity

The New College of Interdisciplinary Arts and Sciences adheres to ASU's Student Academic Integrity Policy [2]. At Arizona State University, academic honesty is expected of all students in all examinations, papers, assignments, academic transactions and records. If academic integrity is compromised, possible sanctions include grade penalties, loss of registration privileges, failure of course, disqualification and dismissal from the university. New College students should also review New College academic integrity procedures and resources [3].

Graduate Students should also consult the ASU Graduate College Academic Integrity Policy [4].

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [5].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [6], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [7] website.

## Undergraduate policies

### Academic standing

New College students must achieve a cumulative GPA of 2.00 in order to be considered in good academic standing at ASU. Students with a semester or cumulative GPA of less than 2.00 are placed on academic probation and are required to meet with an advisor to effectively plan academic progress toward graduation. Further information is available at the university Retention and Academic Standards Policy [8].

### Advising

All students in the New College of Interdisciplinary Arts and Sciences are expected to meet with their academic advisors [9] regularly, especially prior to course enrollment each semester.

To ensure students are making timely progress toward degree completion, advising may be required for the following:

- newly admitted students
- first-year students
- students on academic probation
- students off-track for eAdvisor tracking requirements

For eAdvisor tracking and other general academic program information [10], students should see eAdvisor [11] or their program major map.

# Credit and registration

## Audit grade option

Students may choose to audit a course, allowing them to attend classes but not earn credit. Students must obtain instructor approval prior to enrollment. This grade option [12] may not be changed after the add period.

The audit option may be used under the following conditions:

- Approval has been granted from the instructor and college offering the course.
- The audit option is chosen during initial registration for the course.

## Course load

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires completion of an credit overload petition form [13] and approval from the college academic advisor.

## Course prerequisites

Course prerequisites are established to ensure student success in a course. Students must complete all course prerequisites prior to enrolling in the desired course. Prerequisite overrides may be granted under the following conditions:

- A transfer course has been accepted by an advisor to fulfill a required course prerequisite.
- A prerequisite override has been granted by an advisor.

## Grade of incomplete

A grade of incomplete for a course may be granted by permission of the instructor under the following conditions:

- The student is in good standing academically at ASU.
- The student has completed a majority of the required coursework.
- The student has experienced extenuating circumstances prior to the end of the semester, preventing completion of the course.

Students can download the Incomplete Grade Request form [14].

## Pass/fail grade option

The "P" grading option is used to indicate a passing grade in a class when an individual student receives permission from both the class instructor and their college or school. If the student earns a "P" grade, they will earn credit hours, but the grade is not used for computing the GPA. If requirements for the "P" grade are not met, an "E" grade (failing) is applied. The failing grade of "E" is calculated into the GPA. The "P" grade does not meet requirements for course or program progression where a "C" or better is required.

For further information about this ASU grading option or to determine how a "P" or "Y" grade transfers from another institution, students should contact their advisor.

The pass/fail grade option may only be used under the following conditions:

1. The pass/fail option is available for the specific course.
2. Approval has been granted by the instructor and the college offering the course, prior to the start of class.
3. The pass/fail option was chosen during initial registration for the course, if available.

New College students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy first-year composition requirements
- those taken from the student's major, minor or certificate program
- those counted toward satisfying New College General Studies requirements
- those counted toward satisfying New College proficiency requirements in math or language and cultures
- those requested after the start date of the class

## Satisfactory ("Y") grade option

The "Y" grade is generally used as a grade for successfully completed internships, projects, readings and conference, research, seminars, theses, dissertations and workshops. Students earn credit hours for a "Y" grade, but the grade is not used for computing the GPA. If requirements for the "Y" grade are not met, a failing grade ("E") is applied. The failing grade of "E" is calculated into the GPA. The "Y" grade may meet requirements where a "C" or better is required. However,

there may be some exceptions. For more information about the "Y" grade option, students should contact their academic advisor.

The "Y" grade option only may be used under the following conditions:

1. The "Y" grading option is available for the specific course.
2. Approval has been granted by the instructor and the college offering the course, prior to the start of class.
3. The "Y" grading option was chosen during initial registration for the course, if available.

## Academic (grade) grievance policy

The following steps must be followed by any student seeking to appeal a grade. This process does not address academic integrity allegations or faculty misconduct.

Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring), regardless of whether the student is enrolled at the university.

There are two stages to the grade grievance process: the informal process and the formal process. Each process contains a series of steps.

**Informal process**
**Step 1:** An aggrieved student must first confer with the instructor; the student must state the reasons for questioning that the grade received was not given in good faith. The instructor must review the matter, explain the grading procedure used and explain how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course.

**Step 2:** If the grading dispute is not resolved in Step 1, the student may appeal to the school academic director or designee within the school offering the course. The school director or designee may confer with the instructor to handle the problem. In most instances, the grievance procedure can be resolved with Steps 1 or 2 and does not go beyond this level.

**Step 3:** If the matter is not resolved to the student's satisfaction after completing Steps 1 and 2, the student may then confer with the dean's designee at 602-543-7000, who will review the case and explain the formal process to the student. If still unresolved, the student may proceed to the formal process.

**Formal process**
**Step 4:** No later than ten business days after meeting with the dean's designee, the student must provide a written statement stating the evidence, if any, and reasons for determining the grade received was not given in good faith. Supporting materials should be attached as exhibits to the statement.

**Step 5:** The dean's designee will provide the student's statement (with any exhibits) to the instructor and request the instructor to respond to the dean's designee within 10 business days.

**Step 6:** When the official, written response is received from the instructor, the dean's designee will contact the student, who can then schedule an appointment to review the instructor's response. After reviewing the instructor's response, the student may submit a written request for a hearing before the New College of Interdisciplinary Arts and Sciences Grievance Committee. This written request for a hearing must be submitted no later than 10 business days after the dean's designee notifies the student that the instructor's response was received. The committee is a regular committee and meets monthly, as necessary, during the fall and spring terms when classes are in session. The dean's designee serves as a nonvoting, ex-officio member of the committee.

**Step 7:** The committee will meet with the student and the instructor in an attempt to resolve differences. In order to preserve the confidential nature of the grade grievance process and to protect the privacy interest of those involved, the hearing will be closed to the public. The committee chairperson will preside at the hearing and will rule upon all procedural matters. A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned the request for a hearing, unless the student can demonstrate that extraordinary circumstances prevented the appearance or participation.

**Step 8:** After all parties have been heard, they will be excused and the committee will deliberate in closed session. Upon reaching consensus, the committee chairperson will submit their recommendation to the dean of the New College of Interdisciplinary Arts and Sciences. The dean will review the report and make a final determination regarding the appropriate course of action. The dean's office will inform the student, instructor, school director, registrar and grievance committee in writing of the decision. The dean's decision is final.

It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean's office in the New College of Interdisciplinary Arts and Sciences.

## Transfer coursework

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades less than "C" (2.00) transfer to ASU. Credits transferred from a community college or two-year institution are applied as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools [15].

Some courses taken from other ASU colleges or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit.

## Withdrawal

**Complete session withdrawal information**
Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, undergraduate students are required to connect with their academic advisor to facilitate the withdrawal process.

Students must complete the following steps and in the order shown here:

1. Review the Academic Calendar [16] for complete session withdrawal and tuition refund deadlines.
2. Log into My ASU [17].
3. Under the My Classes section, select Registration, followed by Drop/Withdrawal.
4. Indicate all the classes and sessions for the withdrawal, answer the required questions, and select "Submit Withdrawal Request."
5. The request will be reviewed, and the academic advisor may contact the student for further discussion. If approved, the Complete Session Withdrawal request will be sent to the University Registrar's Office for processing.

Prior to requesting a complete session withdrawal, the student is encouraged to discuss a potential complete session withdrawal with an academic advisor. To schedule an appointment, students should call 602-543-3000. ASU has many resources in place to help students. Students may want to consider one or more of the following:

- Withdraw from just one or more classes, not all (course withdrawal). Students may withdraw from one or some of the classes in a session while remaining enrolled in other classes as long as the withdrawal is completed by the university course withdrawal deadline. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements. Students are also encouraged to contact a financial aid representative to consider any impact withdrawing will have on scholarships, grants and loan packages.
- Request a medical or compassionate withdrawal. A medical or compassionate withdrawal request [18] may be made in extraordinary cases in which serious illness or injury (medical) or another extraordinary personal situation such as a death in the family (compassionate) prevents a student from continuing their classes and incompletes or other arrangements with the instructors are not possible. Students should review the specific New College medical and compassionate withdrawal requirements and procedures [19] for more information.
- Seek tutoring or academic support services. University Academic Success Programs [20] provides a variety of services to help students become better learners and gain the confidence and skills they need in order to achieve their academic goals. Services include writing centers, math tutoring, subject area tutoring and supplemental instruction.
- Make an appointment with ASU's Counseling Services. Counseling and mental health services are provided at each of the four ASU campuses. ASU students may seek services at any of the campus counseling centers [21], regardless of their college affiliation.
- Explore the possibility of an "I" (incomplete) grade.

Possible consequences resulting from a complete session withdrawal:

- **Financial aid:** Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal from financial aid depends on the date of the

withdrawal and the type of financial aid. Students should see the maintaining your financial aid [22] website for more information.

- **Tuition and refunds:** By registering for classes, students agree to pay all applicable tuition and registration fees. Students are required to pay all tuition and fees for any registered course unless enrollment is officially cancelled during the 100% refund period. For more information, students should review the ASU Tuition Refund Policy [23].
- **Health insurance:** Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- **University housing:** Students who live on campus should contact their residential hall community staff to determine what impact withdrawing will have on their eligibility to live on campus and to complete a license agreement release form [24] and arrange an appointment to officially check out.
- **Veteran benefits and certifications:** Students should contact the appropriate veterans benefits and certifications office to discuss information regarding veterans educational benefits and military activation. For more information, students should send an email to w.westvso@asu.edu [25] or visit the Pat Tillman Veterans Center [26] website.

Procedures for general university withdrawal are at the University Registrar Services registration [27] website.

## Degree requirements

All candidates for graduation in the BA, BS and BAS curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division coursework. A minimum cumulative GPA of 2.00 is required for graduation. Students must complete a New College residency requirement of a minimum of 12 credit hours of upper-division (300- and 400-level) coursework from the school housing the student's major.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.

To graduate, a student must satisfy the following requirements:

1. NEW 101 or equivalent (first-year students)
2. IAS 300 (transfer students)
3. college proficiency requirements for language and cultures and for mathematics
4. university first-year composition [28] and General Studies [29] requirements
5. major requirements that involve concentrated coursework in one program
6. successful completion of critical-tracking courses as required on the student’s major map

Information on critical tracking and eAdvisor tools, such as the student's major map, is available at the eAdvisor website [11].

### Proficiency requirements

Each student is required to demonstrate proficiency in the analysis of language and cultures and also mathematics by passing an examination or by completing the courses specified below with a grade of “C” (2.00) or better in each course.

Students considering graduate work after completion of a bachelor’s degree should consult with faculty advisors regarding language requirements in their intended areas of study.

**Language and cultures**
This requirement may be satisfied through one of the following:

- completion of secondary education at a school in which the language of instruction is not English
- completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV
- completion of an upper-division course or courses taught in a foreign language, taken in the United States or the relevant country
- completion of six credit hours of upper-division courses that have a global awareness designation (G) or cultural diversity in the U.S. designation (C) in addition to the courses used to meet the university General Studies requirements
- completion of two sequential semesters of coursework in a current computer language

Students may obtain information about applicable coursework through the college advising office.

**Mathematics**
Students are required to complete MAT 142 or any MAT course for which MAT 117 or a higher-level MAT course is a prerequisite.

### Major requirements

Each student is required to select a major from among the programs offered by the New College of Interdisciplinary Arts and Sciences.

All candidates for graduation for bachelor's degrees in New College are required to complete at least 120 credit hours of which at least 45 credit hours must consist of upper-division courses. A minimum cumulative ASU GPA of 2.00 is required for graduation.

No credit is granted toward fulfilling major or minor requirements in any upper-division course in the subject field of the major unless the grade in that course is at least a “C” (2.00). Normally, a passing grade (“Y”, for satisfactory) needs confirmation that it is equivalent to a “C” (2.00) or better.

**General electives**
Upon completion of all other requirements, the remainder of the minimum 120 credit hours required for graduation is general electives. Students should contact college advisors for assistance in selecting elective courses.

### Concurrent degrees

Students in the New College of Interdisciplinary Arts and Sciences may apply for concurrent degrees through the university approval process. Students are eligible to pursue a concurrent degree within New College when the following criteria have been met:

1. Students must be in good standing with a cumulative GPA of 2.00 or higher.
2. Students must have completed a minimum of 30 credit hours in their first program of study.
3. Students must complete 30 credit hours unique to each program.
4. Students must meet admission criteria and concurrent degree eligibility requirements for both programs.

Students should connect with advising to discuss their selected combinations. Degree combinations with significant course overlap may not be approved. Examples of incompatible majors include:

- Biology BA or BS/Biochemistry BA or BS
- Biology BA or BA/Pharmacology and Toxicology BS
- Conflict Resolution BA/Communication BA or BS
- History BA/History (Secondary Education) BA
- Political Science BA or BS/Social Justice and Human Rights BA
- Psychology BA or BS/Counseling and Applied Psychologice Science BS
- Psychology BA or BS/Psychology (Forensic Psychology) BA or BS
- Spanish BA (West campus)/Spanish BA (Tempe campus)

### Minors

New College offers minors [30] in many of its disciplines. All minors require a minimum of 15 credit hours in the discipline with at least nine of those hours completed as upper-division coursework. Six of the upper-division hours must be taken from courses offered by the New College of Interdisciplinary Arts and Sciences. Courses used in the minor may not be used in the student's major program.

## Readmission

Undergraduate degree-seeking students having previously attended ASU but not enrolled at ASU for no more than seven consecutive semesters are eligible to return through quick re-entry [31]. These students are not required to submit a new application or application fee but must contact an academic advisor in their school to enroll.

Undergraduates who have been away from the university for seven or more semesters and want to return to ASU in a New College program are required to apply for readmission [32] through Admission Services.

Disqualified students must follow the procedures for readmission and will be reviewed by the college on a case-by-case basis.

# Graduate policies

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Graduate academic success advisors can be contacted at NCGradAdvising@asu.edu [33].

## Satisfactory academic progress

All graduate students are expected to make systematic progress toward completion of their graduate program. This progress includes satisfying the conditions outlined in the documents listed below, and achieving the benchmarks and requirements set by the individual graduate programs as well as the Graduate College. Graduate students should review the New College Satisfactory Academic Progress Policy (PDF) [34] and the ASU Graduate College Policy Manual [35].

## Academic (grade) grievance policy

The following steps must be followed by any student seeking to appeal a grade. This process does not address academic integrity allegations or faculty misconduct.

Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring), regardless of whether the student is enrolled at the university.

There are two stages to the grade grievance process: the informal process and the formal process. Each process contains a series of steps.

### Informal process

**Step 1:** An aggrieved student must first confer with the instructor; the student must state the reasons for questioning that the grade received was not given in good faith. The instructor must review the matter, explain the grading procedure used and explain how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course.

**Step 2:** If the grading dispute is not resolved in Step 1, the student may appeal to the school academic director or designee within the school offering the course. The school director or designee may confer with the instructor to handle the problem. In most instances, the grievance procedure can be resolved with Steps 1 or 2 and does not go beyond this level.

**Step 3:** If the matter is not resolved to the student's satisfaction after completing Steps 1 and 2, the student may then confer with the dean's designee at 602-543-7000, who will review the case and explain the formal process to the student. If still unresolved, the student may proceed to the formal process.

### Formal process

**Step 4:** No later than ten business days after meeting with the dean's designee, the student must provide a written statement stating the evidence, if any, and reasons for determining the grade received was not given in good faith. Supporting materials should be attached as exhibits to the statement.

**Step 5:** The dean's designee will provide the student's statement (with any exhibits) to the instructor and request the instructor to respond to the dean's designee within 10 business days.

**Step 6:** When the official, written response is received from the instructor, the dean's designee will contact the student, who can then schedule an appointment to review the instructor's response. After reviewing the instructor's response, the student may submit a written request for a hearing before the New College of Interdisciplinary Arts and Sciences Grievance Committee. This written request for a hearing must be submitted no later than 10 business days after the dean's designee notifies the student that the instructor's response was received. The committee is a regular committee and meets monthly, as necessary, during the fall and spring terms when classes are in session. The dean's designee serves as a nonvoting, ex-officio member of the committee.

**Step 7:** The committee will meet with the student and the instructor in an attempt to resolve differences. In order to preserve the confidential nature of the grade grievance process and to protect the privacy interest of those involved, the hearing will be closed to the public. The committee chairperson will preside at the hearing and will rule upon all procedural matters. A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned the request for a hearing, unless the student can demonstrate that extraordinary circumstances prevented their appearance or participation.

**Step 8:** After all parties have been heard, they will be excused and the committee will deliberate in closed session. Upon reaching consensus, the committee chairperson will submit their recommendation to the dean of the New College of

Interdisciplinary Arts and Sciences. The dean will review the report and make a final determination regarding the appropriate course of action. The dean's office will inform the student, instructor, school director, registrar, and grievance committee in writing of the decision. The dean's decision is final.

It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean's office in the New College of Interdisciplinary Arts and Sciences.

## Other graduate policies

Graduate students are expected to have knowledge of the information in this catalog as well as information published in the ASU Graduate College Policy Manual [35] and New College graduate program handbooks available on the New College graduate advising [36] website.

## Additional considerations

### Request a medical or compassionate withdrawal

A medical or compassionate withdrawal request [18] may be made in extraordinary cases in which serious illness or injury (medical) or another extraordinary personal situation such as a death in the family (compassionate) prevents a student from continuing their classes and incompletes or other arrangements with the instructors are not possible. Students should review the New College medical and compassionate withdrawal requirements and procedures [19].

### Continuous enrollment

Once admitted to a graduate degree program or graduate certificate program, students must be registered for a minimum of one graduate-level credit hour during all phases of their graduate education, including the terms in which they were admitted and graduate. More information is available in the ASU Graduate College Policy Manual [35].

**Source URL:** https://catalog.asu.edu/policies/new_college

**Links:**
[1] https://newcollege.asu.edu/
[2] https://provost.asu.edu/academic-integrity/policy
[3] https://newcollege.asu.edu/integrity
[4] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/academic-integrity/academic-integrity-your-role
[5] https://www.asu.edu/aad/manuals/acd/acd401.html
[6] mailto:titleixcoordinator@asu.edu
[7] https://www.asu.edu/reportit/
[8] https://catalog.asu.edu/retention_standing
[9] https://newcollege.asu.edu/advising/team
[10] https://www.asu.edu/academics
[11] https://eadvisor.asu.edu/
[12] https://students.asu.edu/grades#options
[13] https://newcollege.asu.edu/advising/forms
[14] https://students.asu.edu/forms/incomplete-grade-request
[15] https://admission.asu.edu/transfer/transferring-credits
[16] https://students.asu.edu/academic-calendar
[17] https://my.asu.edu/
[18] https://students.asu.edu/forms/medical-compassionate-withdrawal-request
[19] https://newcollege.asu.edu/advising/medical-compassionate-withdrawal
[20] https://tutoring.asu.edu/student-services
[21] https://eoss.asu.edu/counseling/about-us/location-and-hours
[22] https://tuition.asu.edu/financial-aid/maintaining-aid
[23] https://tuition.asu.edu/billing-finances/tuition-refund
[24] https://housing.asu.edu/housing-resources/license-agreements/release
[25] mailto:w.westvso@asu.edu
[26] https://veterans.asu.edu/
[27] https://students.asu.edu/drop-add
[28] https://catalog.asu.edu/ug_grad_req#first_year_composition
[29] https://catalog.asu.edu/ug_gsr
[30] https://catalog.asu.edu/minors

[31] https://catalog.asu.edu/glossary#quickreentry
[32] https://admission.asu.edu/undergrad/readmission
[33] mailto:NCGradAdvising@asu.edu
[34] https://newcollege.asu.edu/sites/default/files/graduate/bds/New%20College%20SAP%20Policy.pdf
[35] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals
[36] https://newcollege.asu.edu/advising/graduate

# Walter Cronkite School of Journalism and Mass Communication policies

The Walter Cronkite School of Journalism and Mass Communication has a student-centered culture focused on helping students complete their degrees in a timely manner. Students are encouraged to visit the school website [1] or contact its student services center at 602-496-5055 with questions about any of the school's policies.

## Academic integrity

Academic dishonesty in any form will not be tolerated in the Walter Cronkite School of Journalism and Mass Communication. The crux of democracy is the ability of citizens to obtain honest, truthful and balanced information, and the credibility and integrity of individual journalists and communications professionals are crucial in that effort. In light of the school's mission to prepare students to become journalists and communications professionals, it is critical that credibility and integrity are fostered within the educational environment of the school.

The school has zero tolerance for academic dishonesty; instructors enforce academic integrity in every course and educational activity offered or sanctioned by the school. Any allegation of academic dishonesty will be referred to an appointed academic integrity officer for investigation. They elevate cases to the school's standards committee for review and recommendation to the dean of the school. If the committee finds that a student has engaged in academic dishonesty in any form — including cheating, plagiarizing and fabricating (examples (PDF) [2]) — that student shall receive a grade of XE for the class and may face suspension or expulsion from ASU.

At the beginning of every Journalism school class, every student must digitally agree to uphold the school's commitment to academic integrity, as well as the ASU Academic Integrity Policy [3] and the Student Honor Code [4]. This agreement indicates that each student has read and understood the terms of academic integrity violations and all potential sanctions.

If the Cronkite School dean determines that a graduate student has violated the ASU Academic Integrity Policy and should be suspended or dismissed from the program, they will notify ASU's Graduate College and make a formal recommendation for dismissal or suspension. The Graduate College dean will make the final determination of sanctions.

### Responsibilities related to academic integrity

**Accuracy:** Since accuracy is the most important aspect of journalism, students must adhere to rigid standards for all submitted work, regardless of the intent to publish. Any major error of fact, anything that would require a printed correction if the story were to appear in a newspaper — a misspelled proper name, an erroneous phone number, an incorrect address, a libelous statement or a misstatement of a major fact — will result in a grade of "E" (59 percent) on that assignment. Minor misspellings or errors of grammar will bring down the grade. Carelessness will cause students to lose points fast.

**Attendance and makeup work:** Students must attend all classes for their full duration — as well as examinations as noted by the ASU final exam schedule — on the days and times and in the locations indicated on the class syllabus and My ASU. If a student experiences extreme personal circumstances, the student must notify their instructor immediately. The instructor is obligated to report extreme or extenuating circumstances to the dean's office for the coordination of student support.

**Course content:** Course content, including lectures, are copyrighted materials. Students may not share outside the class, upload, sell or distribute course content, assessments, access codes or notes. Students must refrain from uploading to any course shell, discussion board or website used by the instructor or other course forum any material that is not the student's original work unless the student first complies with all applicable copyright laws; faculty members reserve the right to delete materials on the grounds of suspected copyright infringement.

**Classroom etiquette:** Students must keep mobile devices — including smartphones — stored out of reach during class unless prompted by the instructor. Students may only use computers during class to take notes and engage with course content. Food and drinks are not allowed in the classroom. Students should arrive on time and be prepared to engage meaningfully with their instructor, peers and course content.

**Deadlines:** Meeting deadlines is crucial to success in any Cronkite course. The instructor holds students to the same standards as professional communicators. Students are expected to meet all deadlines, including testing technology and equipment well ahead of those deadlines. Assignments submitted even one minute past the deadline will not be accepted; they will receive a zero. There are no exceptions, including for technical difficulties. For example, students with unreliable

internet connections have been unable to submit their assignments on time and thus earned no points for those assignments.

If a student begins an assignment but runs out of time to complete it, the students should remember that submitting a partially completed assignment is better than not submitting anything at all (as long as the work meets all expectations for academic integrity and does not compromise the work of other students).

**Extreme personal circumstances:** Students should notify their instructor as soon as possible if an extreme individual circumstance interferes with the ability to complete coursework. Examples include hospitalization of a student, death of an immediate family member, or a natural disaster.

**Active duty military:** Students on active duty with the military and, because of deployment or service responsibilities, experience Internet connectivity issues that prevent them from participating in course activities or meeting assignment deadlines, must notify the instructor as soon as possible to discuss appropriate accommodations.

**Religious accommodations:** Students who need to be absent from class due to religious observance should notify their instructors at the beginning of the semester.

**Diversity principles:** The Walter Cronkite School of Journalism and Mass Communication embraces inclusivity [5] in student, staff and faculty populations in order to create an academic environment that fosters diversity of thought and acceptance of all people regardless of race, gender, age, sexual orientation or societal, political, cultural, economic, spiritual or physical differences. To this end, the school directs efforts to the following four principles:

- Actively seek out and encourage diverse populations to become productive members of the faculty, staff and the student body.
- Create and maintain a work, learning and social environment that is cognizant and supportive of a diversity of human differences and beliefs.
- Incorporate within the formal content of the curriculum and in each course an affirmation of the core values of accuracy, fairness, ethical behavior and sensitivity when reflecting an increasingly multicultural world.
- Foster and support a climate in which events and activities of the school reflect diversity of awareness, and sensitivity to and support for people of different origins, orientations and abilities.

**Expectations of professionalism:** Students must exhibit professionalism in all course-related activities, assessments and communications. It is vital to the learning process that each student respect their instructor, classmates, clients, partners, sources, technology, equipment and course content. Students who engage in damaging or abusive behavior — and those who consistently make disruptive, disrespectful or intimidating comments in person or online — will be referred to the Office of Student Rights and Responsibilities [6] for investigation and possible consideration for dismissal from the program.

The Walter Cronkite School of Journalism and Mass Communication strives to create a respectful, civil learning environment for everyone; however, some course content and discussions may evoke emotional responses based on personal experiences and backgrounds. Students should bring any concerns to the attention of their instructor — or, alternatively, to school leadership.

According to ASU policy SSM 104-02 [7], “Students, faculty, staff, and other individuals do not have an unqualified right of access to university grounds, property or services. Interfering with the peaceful conduct of university-related business or activities or remaining on campus grounds after a request to leave may be considered a crime."

**ACEJMC values and competencies:** As a member of the Accrediting Council on Education in Journalism and Mass Communication, the school is committed to classroom learning that achieves ACEJMC professional values and competencies [8]. These include the core areas of freedom of speech, ethics, diversity, critical thinking, research, writing and use of tools and technologies related to the field.

**Social media guidelines:** It is important that students of journalism and communication know how to use social media ethically and professionally. The school has developed standards [9] drawn from The Poynter Institute for Media Studies and the Society of Professional Journalists.

**Original work and collaborations:** All work submitted for classes must be original work, created solely for the current session of the class. This includes photos, text, video and images. Students may not submit assignments or evaluations done for any other class, for any other organization or for a previous session of the class. ASU offers resources to learn more about plagiarism and self-plagiarism [10]. Students who violate this clause will be referred to an academic integrity officer.

All assignments must be the student's own work — from concept to execution — unless the instructor specifies some type of collaboration. Even when part of a team, not all elements of the assignment may be team-based. For example, the assignment may call for a team discussion of a topic, but a writing assignment based on that discussion must be the student's individual work. Violating this policy may qualify as academic dishonesty. Students are responsible for understanding what elements of an assignment or task (if any) require peer collaboration or individual completion.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [11].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [12], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [13] website.

## Undergraduate policies

### Academic standing

#### Probation

All ASU students, freshman through senior, must maintain a minimum GPA of 2.00 for all courses completed at ASU. If this standard is not maintained, the student is placed on probation. Students on probation must see an advisor before further registration and must do one of the following:

- Achieve an ASU GPA of 2.00 or greater in order to return to academic good standing.
- Obtain a semester GPA of 2.50 with no grade less than a "C" in order to be granted one additional semester on continued probation. At the end of the continued probation, the student must return to academic good standing (a minimum cumulative ASU GPA of 2.00) to avoid disqualification.

#### Disqualification

Students who do not meet probation requirements are academically disqualified. Disqualified students should meet with their academic advisors. These students may attend ASU only during the summer session immediately following disqualification.

**Journalism and mass communication and sports journalism majors:** Students in these majors must maintain a minimum cumulative GPA of 2.50 for all courses completed at ASU in order to be in good standing in the major. Students who have a cumulative GPA less than 2.50 have one semester to raise their cumulative GPA to meet the requirement. Failing to raise the cumulative GPA to a 2.50 or greater results in them having to change their major from journalism and mass communication or sports journalism.

**Mass communication and media studies, digital media literacy, and digital audiences majors:** Students in these majors follow the university policies on Retention and Academic Standards [14] for GPA requirements, probation and disqualification.

### Advising

Undergraduate students are assigned an advisor by the student's last name. Students should see the school advising [15] page for specifics.

To ensure students are making progress toward their degrees, the school encourages students to check in with their advisors each semester. Advising is mandatory for:

- first-time first-year students, both semesters their first year at ASU
- students who have completed 75 credit hours

- transfer students prior to enrolling for their first semester at ASU
- students on academic probation
- students who are off track in their major

ASU Online students are strongly encouraged to make an appointment with their respective advisors before enrolling for their first semester.

For additional information, students should contact the school's advising center at 602-496-5055.

Students should follow the sequence of courses outlined on major maps and online degree audits and contact their advisor with any questions. Critical requirements for first-year students in the school are available at the school website [16].

## Credit and registration

### Changes of major

Students are eligible to change their major if they meet the criteria below.

**Journalism and mass communication and sports journalism degree programs:** Current ASU students are eligible to change their major to this program if they have a cumulative GPA of at least 3.00 in 12 or more credit hours earned at ASU in courses that can be used to satisfy the school's nonelective General Studies requirements.

**Online mass communication and media studies, digital audience and digital media literacy degree programs:** Current ASU students are eligible to change their major to these programs if they have a cumulative GPA of at least 2.00.

### Transfer credit

Students may apply up to 64 credits of coursework from an accredited two-year institution to their degree. Students may apply up to nine credit hours of approved upper-division journalism coursework from a four-year, ACEJMC-accredited institution to the school's journalism degree requirements. Students interested in having these courses reviewed should provide detailed syllabi and course schedules to the school's academic standards committee. Students should see their academic advisors for assistance.

## Degree requirements

All students must meet the critical requirements for their majors. Students who are required to follow eAdvisor tracking requirements and do not comply with the critical requirements are off track, and a hold is placed on their records. These students must meet with an advisor to have the hold removed.

Specific requirements for the journalism and mass communication degree can be found at journalism and mass communication program page [17].

Specific requirements for the sports journalism degree can be found at sports journalism program page [18].

Specific requirements for the mass communication and media studies degree can be found at mass communication and media studies program page [19].

Specific requirements for the digital audiences degree can be found at digital audiences program page [20].

Specific requirements for the digital media literacy degree can be found at digital media literacy program page [21].

### Concurrent degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.

General rules for students pursuing concurrent degrees in the Walter Cronkite School of Journalism and Mass Communication:

- Currently enrolled journalism and mass communication or sports journalism majors who would like to add a concurrent degree must have a cumulative ASU GPA of 2.50 or greater and must have completed 30 credit hours of coursework.
- Currently enrolled mass communication and media studies, digital audiences or digital media literacy majors who would like to add a concurrent degree must have a cumulative ASU GPA of 2.00 or greater and must have completed 30 credit hours of coursework.
- ASU students not enrolled in the school who would like to add a concurrent degree in journalism and mass communication or sports journalism must be in good academic standing within ASU, have a cumulative GPA of at least 3.00 and must have completed 30 credit hours of coursework.
- ASU students not enrolled in the school who would like to add a concurrent degree in mass communication and media studies or digital audiences, offered online, must be in good academic standing, have a cumulative GPA of at least 2.00 in a degree program offered through ASU Online and must have completed 30 credit hours of coursework.
- The school requires that students enrolled in journalism and mass communication or sports journalism majors take a minimum of 36 credit hours of the school's courses.
- The school requires that students enrolled in the mass communication and media studies or the digital audiences majors take a minimum of 30 credit hours of the school's courses.
- A student may not take concurrent degrees in journalism and mass communication, sports journalism, mass communication and media studies, or digital audiences simultaneously.

**Procedures for adding a concurrent degree:**

1. Once a student has decided to declare a concurrent degree, the student should inform the academic advisor for each degree in order to receive proper information about requirements such as degree requirements and courses.
2. When a student meets the requirements for a concurrent degree, the student should contact the assigned academic advisor for each major to review and complete the university's approval process. Students in the school are assigned an academic advisor [15] by the student's last name.
3. If a student no longer wishes to pursue a concurrent degree, the student should email that intention to the academic advisor, and the message should include the student's full name and ASU ID number as well as which degree the student wants to have removed from the academic record.

Any questions should be directed to Cronkiteadvising@asu.edu [22].

## Reinstatement/readmission

Students seeking readmission after being discontinued from the university should contact Admission Services [23].

## Other special requirements

### Major proficiency requirements

All students must receive at least a "C" (2.00) or better in all JMC and MCO courses. Journalism and mass communication and sports journalism majors must also receive a grade of "B-" (80%) or better in JMC 101 Grammar for Journalists. Students also must maintain at minimum a cumulative GPA of 2.50 to be eligible to enroll in JMC and MCO classes.

# Graduate policies

The Walter Cronkite School of Journalism and Mass Communication is a nationally recognized professional program that prepares students for careers as reporters, editors, producers, correspondents, anchors, multimedia journalists and strategic communicators. Students go on to news organizations, digital media and production companies, public relations firms, nonprofit organizations, and corporate brands around the world.

More information on the school's academic standards, policies and procedures and those of the Graduate College can be found at the Graduate College [24] website. Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

## Admission

Candidates for the on-campus Master of Mass Communication, Master of Arts in investigative journalism or Master of Arts in sports journalism degrees apply online [25].

The graduate application opens Sept. 1. Applications are reviewed on a rolling basis. Applications received before Dec. 1 are given priority for both admission and funding. The final application deadline is June 1.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

They must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. three letters of recommendation
4. personal statement of interest (350 to 500 words in length)
5. resume
6. proof of English proficiency

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. TOEFL scores must be at least 100 for the internet-based test. Students should see the program website for application deadlines and admission terms [26]. Applicants must meet all deadlines and application requirements to be considered. The school's master's degree committee reviews complete and on-time applications. Recommendations for admission are made to Admission Services, where the final admission decisions are made.

Candidates for the online Master of Science in digital audience strategy apply online [27]. Candidates must submit a graduate application, application fee, resume, statement of personal interest (300-500 words) and official transcripts. An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency, with an internet-based TOEFL score greater than 100. The Master of Science in digital audience strategy is only available to candidates who have not completed the BS in digital audiences or the undergraduate minor in digital audiences.

Candidates for the Master of Arts in narrative and emerging media, offered at ASU's California Center in Los Angeles in collaboration with ASU's Herberger Institute for Design and the Arts, apply online [27]. Candidates must submit a graduate application, application fee, resume, statement of personal interest (300-500 words), two letters of application and official transcripts. An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency, with an internet-based TOEFL score equal to or greater than 80.

## Degree requirements

### Plan of study

Graduate students are required to complete their interactive plan of study (iPOS) in their first enrolled semester. This requirement is monitored by the academic unit and is considered critical to satisfactory academic progress. The plan of study is available online in the My Programs box on My ASU [28].

The student selects the ASU courses that have been taken, those in progress and those the student plans to take in future semesters. Once the plan of study is completed, it is electronically forwarded to the school's graduate advisor. It must be approved by the school's director of master's degree programs. The completed plan of study is sent to the Graduate College and then to the Graduation office. The approved plan of study is a contract between the student and the school verifying the classes the student intends to take during the course of study. Students who do not have an approved plan of study on file are not eligible for graduation. Changes in the plan of study may be made by using the form Course Changes to the Graduate Plan of Study available online on My ASU [28].

Students who need to file a plan of study will be notified by the Graduate College via email. If the student fails to file the plan of study within the specified time period, a hold is placed on the student's ASU record. The hold will prevent the student from registering for classes. Once the student has filed the plan of study and it has been approved, the hold is removed. The Graduate College monitors students' iPOS statuses and places or removes the holds.

## Academic standing

### Satisfactory academic progress

All graduate students are expected to make systematic progress toward completion of their degree. This progress includes satisfying the conditions listed below and achieving the benchmarks and requirements set by the individual degree programs. Each degree program should have in place policies for satisfactory academic progress. Students are responsible for verifying additional satisfactory progress policies as described in the program handbook. If a student fails to satisfy the requirements of their degree program and the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to the Graduate College. The dean of the Graduate College makes the final determination.

1. Maintain a minimum GPA of 3.00 on the iPOS, graduate and cumulative GPAs. If a GPA is less than 3.00, the student must develop, with their advisor, an academic performance improvement plan that includes the conditions and time frames for making satisfactory academic progress in the degree program.
    - The iPOS GPA is calculated from all courses that appear on the student's approved iPOS.
    - The graduate GPA is calculated from all courses numbered 500 or greater that appear on the transcript, with the exception of courses counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's and master's degree program) and from courses identified as deficiencies in the original letter of admission. The student is considered to be on academic probation until the conditions specified in the academic performance improvement plan are met and both GPAs are greater than 3.00.
    - The cumulative ASU GPA represents all courses completed at ASU during the graduate career.
2. Satisfy all requirements of the graduate degree program.
3. Satisfy the maximum time limit for graduation from the student's graduate degree program.
4. Complete all program requirements within 10 consecutive years (this applies to doctoral students).
5. Successfully pass any comprehensive exams, qualifying exams, foreign language exams, and the oral defense of the proposal or prospectus for the thesis or dissertation that are required for the specific graduate program.
6. Successfully complete the culminating experience and, if required, the oral defense of the culminating experience.
7. Stay continuously enrolled in the graduate program. Failing to do so without a Graduate College-approved Request to Maintain Continuous Enrollment is considered to be a lack of academic progress and may lead to automatic dismissal of the student from the graduate program. Persistent "W" (withdrawal) and "I" (incomplete) grades during multiple semesters on a plan of study or transcript may reflect a lack of academic progress.

In addition to the Graduate College satisfactory academic progress policies, the Walter Cronkite School of Journalism and Mass Communication has adopted the following:

1. If any of a student's GPAs are less than 3.00, the student will be placed on academic probation. If the student's GPAs are not raised to at least 3.00 by the end of the next semester, the Cronkite School may recommend dismissal to ASU's Graduate College.
2. If a student in the Master of Mass Communication, Master of Arts in investigative journalism or Master of Arts in sports journalism earns less than a "C" (2.00) in MCO 502 Journalism Skills (Bootcamp), the school recommends to the Graduate College that the student should be removed from the program immediately.
3. To receive their degrees, Master of Mass Communication, Master of Arts in investigative journalism and Master of Arts in sports journalism students who have MCO 570 Capstone as their culminating experience are required to earn at least a "B" (3.00).
4. Students in the online Master of Science in business journalism must earn at least a "B" (3.00) in the applied project MCO 593.
5. Students in the Master of Science in digital audience strategy program must earn a "B" (3.00) or better in MCO 561 - Defining the Digital Audience before enrolling in MCO 562, 563, 564 or 565. To receive their degrees, students also are required to earn at least a "B" (3.00) in MCO 566 - Digital Audience Management (Capstone). To enroll in the MCO 566, students must earn a B (3.00) or better in MCO 561, and a "C" (2.00) or better in all other courses.
6. Students in the Master of Arts in narrative and emerging media program should consult their program handbook for applicable policies from the Herberger Institute for Design and the Arts.

### Appeals

Students who want to appeal a course grade must first discuss the issue with the instructor. If the issue is not resolved, the student may appeal the decision to the school's standards committee; the standards committee reviews the issue and makes a recommendation to the dean. The dean's decision is final. Students should be aware that the standards committee may recommend a grade lower than the one awarded by the course instructor.

If a student fails to make satisfactory academic progress and a recommendation is made to the Graduate College to remove the student from their graduate program, the student has 10 business days to file a written appeal with the dean. The dean's decision regarding appeals is final.

## Credit and registration

### Transfer credit

Students admitted to the 30-credit-hour mid-career MMC program may transfer up to six credit hours of approved coursework taken before beginning the program not used toward a previous degree; the six credit hours may include nondegree coursework. Only courses with a grade of "A" (4.00) or "B" (3.00) and taken within three years of admission to an ASU graduate program may be accepted as transfer credit.

In order to have graduate coursework that was completed at other accredited institutions included on a plan of study, a student must petition the school's master's or doctoral committee. The student also must complete the petition section of the plan of study.

Students who are in the 36-credit-hour professional master's degree program are not permitted to transfer coursework from another institution or from another ASU program.

### 400-level courses taken for graduate credit

The Walter Cronkite School of Journalism and Mass Communication may allow graduate students to enroll in and use up to two three-credit 400-level courses on their plans of study (a total of six credit hours). Students must receive permission from the program director prior to enrolling in any 400-level course they intend to include in their plans of study. Students taking these courses are responsible for obtaining and completing the 400-level course contract form. This form specifies what the student must do to receive graduate credit for the course. It must be signed by the professor.

### Preadmission credit

Credit earned in graduate-level courses (per the Graduate College pre-admission policy) by undergraduate students may count toward their graduate degrees at ASU provided the credit hours have not been used toward a previously awarded degree. Before awarding a bachelor's degree, ASU undergraduate students should contact their undergraduate advisor to set aside graduate courses for use toward a graduate degree.

Reserving a course does not guarantee the student will be admitted to a graduate degree program or that the course will be used to meet graduate degree requirements. A maximum of nine credit hours may be reserved, and only courses with a grade of "B" (3.00) or better are applicable. Reserved credit is classified as nondegree credit and must be taken within the six-year time limit to be included on a plan of study.

### Grades of incomplete

The Graduate College requires students who receive an incomplete ("I" grade) in graduate coursework (500 level or above) to complete the necessary work within one calendar year or a shorter time frame as agreed upon by the instructor and student. If the incomplete is not removed within one calendar year, it becomes part of the student's permanent transcript and cannot be used on a student's plan of study. To receive credit for the course, the student must repeat the course by re-registering, paying fees and fulfilling all course requirements.

Master's degree students with more than one incomplete at any time are considered failing to make adequate progress, and they are placed on probation. If the student does not complete the work to remove the incomplete and earn a letter grade by the end of the calendar year, a recommendation may be made to the Graduate College to remove the student from the program.

With 400-level courses taken for graduate credit, students are required to complete the necessary work to remove an incomplete grade within one calendar year. If the incomplete grade is not removed within one calendar year, the "I" will become an "E". An "E" cannot be used to meet the requirements for a graduate degree, but it is used to calculate the student's GPA. Students may retake the class to earn a higher grade; however, both the "E" and the new grade are used in calculating the student's GPA. If this results in a GPA of less than 3.00, a recommendation to withdraw the student from the program is made to the Graduate College.

## Other special requirements

### Time limitations

Students have three years from the start of their program to complete the Master of Science in digital audience strategy, six years from the start of their program to complete other Cronkite School master's degrees, and 10 years from the start of the program for doctoral degree programs.

### Financial aid

Many graduate students receive financial aid from ASU [29] to assist in financing their education.

### ACEJMC values and competencies

As a member of the Accrediting Council on Education in Journalism and Mass Communication, the school is committed to classroom learning that achieves ACEJMC professional values and competencies [30]. These include the core areas of freedom of speech, ethics, diversity, critical thinking, research, writing, and use of tools and technologies related to the field.

### Applied project

Students enrolled in the 30-credit-hour mid-career Master of Mass Communication program have the option of completing an applied project and are eligible to enroll in MCO 593, Applied Project, when they have no more than six credit hours of coursework remaining on their plan of study. Students interested in completing an applied project are encouraged to meet with the master’s program director no later than the end of their first year in the program.

### Diversity principles

The Walter Cronkite School of Journalism and Mass Communication practices inclusivity in student, staff and faculty populations in order to create an academic environment that embraces diversity of thought and acceptance of all people regardless of societal, political, cultural, economic, spiritual or physical difference, age or sexual orientation.

To this end, the school directs efforts to the following four principles:

- Actively seek out and encourage diverse populations to become productive members of the faculty, staff and the student body.
- Create and maintain a work, learning and social environment that is cognizant of and supportive of a diversity of human differences and beliefs.
- Incorporate within the formal content of the curriculum and in each course an affirmation of the core journalistic values of accuracy, fairness, ethical behavior and sensitivity when reflecting an increasingly multicultural world.
- Foster and support a climate in which events and activities of the school reflect diversity of awareness, and sensitivity to and support for people of different origins, orientations and abilities.

### Social media guidelines for student journalists

The Cronkite School encourages participants in its professional programs to make use of social networking sites such as Facebook and Twitter, which are valuable reporting tools and promotional and distribution channels for the school's content. To ensure the highest journalistic standards in these programs, participants must abide by the college standards for social media use [31] drawn from The Poynter Institute for Media Studies and the Society of Professional Journalists’ Code of Ethics.

**Source URL:** https://catalog.asu.edu/policies/journalism

**Links:**
[1] https://cronkite.asu.edu/
[2] https://cronkite.asu.edu/wp-content/uploads/2021/08/Cronkite-Resources-on-Plagiarism-Fabrication-and-Sourcing-1.pdf
[3] https://provost.asu.edu/academic-integrity/policy
[4] https://provost.asu.edu/academic-integrity/honor-code
[5] https://cronkite.asu.edu/dei/
[6] https://eoss.asu.edu/dos/srr
[7] https://www.asu.edu/aad/manuals/ssm/ssm104-02.html
[8] http://www.acejmc.org/policies-process/principles/
[9] https://cronkite.asu.edu/about/policies/social-media-guidelines/
[10] https://provost.asu.edu/academic-integrity/resources/students#avoiding-plagiarism

[11] https://www.asu.edu/aad/manuals/acd/acd401.html
[12] mailto:titleixcoordinator@asu.edu
[13] https://www.asu.edu/reportit/
[14] https://catalog.asu.edu/retention_standing
[15] https://cronkite.asu.edu/advising/
[16] https://cronkite.asu.edu/undergraduate-programs/
[17] https://degrees.apps.asu.edu/bachelors/major/ASU00/CSJMCBA/journalism-and-mass-communication
[18] https://degrees.apps.asu.edu/bachelors/major/ASU00/CSSPJBA/sports-journalism
[19] https://degrees.apps.asu.edu/bachelors/major/ASU00/CSMCMSTBA/mass-communication-and-media-studies
[20] https://degrees.apps.asu.edu/bachelors/major/ASU00/CSDIGABS/digital-audiences
[21] https://degrees.apps.asu.edu/bachelors/major/ASU00/CSDMLBA/digital-media-literacy
[22] mailto:Cronkiteadvising@asu.edu
[23] https://admission.asu.edu/contact
[24] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals
[25] https://admission.asu.edu/graduate/apply
[26] https://cronkite.asu.edu/admissions/
[27] https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS&plan=CSDASMS&subplan=&campus=ONLNE
[28] https://my.asu.edu/
[29] https://graduate.asu.edu/current-students/funding-opportunities
[30] http://www.acejmc.org/policies-process/principles/
[31] https://cronkite.asu.edu/about/policies/social-media-guidelines/

# Sandra Day O'Connor College of Law policies

## Academic integrity

### Academic integrity code

The legal profession, a self-regulating association, depends on the integrity, honor and personal morality of each member. Similarly, the integrity and value of a Sandra Day O'Connor College of Law degree depends on a reputation for fair competition. The ASU Law Academic Integrity Code (PDF) [1] is intended as a measure to preserve the integrity of the school's diploma and to create an arena in which students can compete fairly and confidently.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [2].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [3], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [4] website.

## Graduate policies

### Academic standing

#### Retention standards - JD students

If a student's 1L GPA is above 2.00 but below 2.33 after the first year, that student shall be disqualified from ASU Law but may be reconsidered for readmission, if the student applies. If a student's 1L cumulative GPA is below 2.00, that student shall be permanently disqualified in accordance with ASU Law policies. If an upper-class student's cumulative GPA is below 2.33 (2.00 for students who started law school prior to fall 2020), that student shall be disqualified from ASU Law but may apply for readmission.

#### Retention standards - all students

The ASU Law JD Statement of Student Policies (PDF) [5] contains additional retention and academic policies.

### Advising

Academic advising for currently enrolled law students is available through the Office of Academic Services with designated points of contact for different degree programs.

### Degree requirements

#### Concurrent degrees

ASU Law students must be in academic good standing to be eligible to pursue a concurrent degree.

**Shared credit**
Per the Graduate College policy for **concurrent master's degrees**, a maximum of 20% of the minimum total credit hours for the completion of both degrees may be common hours shared between the degree programs. The total number of credit hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.

The Graduate College policy also states that for **a concurrent master's/doctoral degree**, a maximum of 12 credit hours may be common hours shared between the degrees and may only include coursework completed after admission to both

degree programs. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.

The Graduate College policy for **concurrent doctoral degrees** states that a maximum of 12 credit hours may be common hours shared between the degrees. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.

**Process**
Current ASU Law Juris Doctor students who are interested in pursuing a concurrent degree should contact ASU Law's assistant dean for academic affairs or the assistant registrar prior to applying to ASU Law or the department or school offering the desired concurrent degree.

Students in one of ASU Law's master's degree programs who are interested in pursuing a concurrent degree should contact ASU Law's associate dean for new education initiatives prior to applying to the college or department or school offering the concurrent degree.

Current ASU students who are not enrolled in ASU Law and who wish to pursue a concurrent degree with ASU Law should contact the admission office [6].

## Admission process

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

### JD admission

For the JD program, the Sandra Day O'Connor College of Law enrolls only one first-year JD class per year, beginning in the fall semester. The program is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. To be considered for admission to the Juris Doctor program, applicants must have taken the LSAT (excludes applicants applying to the ASU Achievement Program) and have earned or will earn by the time of enrollment in law school, a bachelor's degree that has been awarded by an institution that is accredited by an accrediting agency recognized by the United States Department of Education.

ASU Law is committed to a more sustainable and resilient future and requires applicants to apply electronically through the Law School Admission Council website: https://www.lsac.org/ [7].

An application for admission must include:

1. electronic application
2. personal statement (no more than two pages, double-spaced and font size no smaller than 11 point)
3. resume (no more than two pages and font size no smaller than 11 point)
4. character and fitness statements; if applicable, explaining affirmative answers to questions 1-9 in the character and fitness section
5. binding admission contract, if applicable
6. valid LSAT score (excludes applicants applying to the ASU Achievement Program)
7. transcripts from each undergraduate and graduate institution attended must be sent to LSAC
8. proof of English proficiency for applicants whose native language is not English, regardless of current residency.

The application may also include:

- letters of recommendation: Applicants may submit no more than two letters, and they should be submitted through LSAC to be included in the CAS report. Applicants should note that since they are not required, the admission office will not wait for letters to complete the file for review.
- optional addenda: undergraduate performance, standardized test performance and other
- diversity statement

**Application deadlines:**

- Priority deadline: March 1
- Final deadline: August 1

Students should visit the college website for detailed information about the JD application process [8].

**Source URL:** https://catalog.asu.edu/policies/law

**Links:**
[1] https://law.asu.edu/sites/default/files/pdf/asu-law-code-of-honor.pdf
[2] https://www.asu.edu/aad/manuals/acd/acd401.html
[3] mailto:titleixcoordinator@asu.edu
[4] https://www.asu.edu/reportit/
[5] https://law.asu.edu/sites/default/files/pdf/jd-statement-of-student-policies.pdf
[6] https://law.asu.edu/admission
[7] https://www.lsac.org/
[8] https://law.asu.edu/admission/jd

# The College of Liberal Arts and Sciences policies

These are the current policies in The College of Liberal Arts and Sciences.

## Academic integrity

Academic honesty is expected of all students in all examinations, assignments, papers, laboratory work, academic transactions and records. More information about academic honesty is available at the academic integrity [1] website, and information about The College of Liberal Arts and Sciences policies and procedures [2] can be found at the college website.

### Academic dishonesty investigation and procedures

- Anyone with a good faith basis for believing that a student has engaged in academic dishonesty may report the alleged violation to the instructor or academic integrity officer for the college or school in which the academic dishonesty occurred.
- If the instructor or academic integrity officer concludes that there is a sufficient basis to believe the student engaged in academic dishonesty, the instructor or the academic integrity officer will notify the student of the alleged violation and initiate the investigative process.
- Before concluding the investigation, the instructor or academic integrity officer will provide the student a summary of the information gathered. The student has five business days after the notice was sent to respond to the allegation.
- At any point in the process, the student can contact the academic integrity officer to seek consultation or clarification.
- The student may be accompanied by an advisor at any point in the process. The advisor is not permitted to participate directly or speak for the student.
- Once the investigation is complete, in consultation with the academic integrity officer, the instructor will recommend a sanction. The student will be notified of the result of the investigation and of any sanction to be imposed.

### Sanctions and appeal

The following sanctions may be imposed for academic dishonesty:

- reduced or failing grade for the academic evaluation
- reduced or failing grade for the course
- a grade of "XE" [3]
- withdrawal of credit for a previously accepted course or requirement
- suspension from the university for a specific period of time
- expulsion from the university without expectation of readmission
- other sanctions as consistent with this policy and the Student Code of Conduct [4]

At any time, the student and the instructor may agree on the sanction and inform the academic integrity officer or the dean. The academic integrity officer or the dean may reject the proposed resolution and appoint a designee to pursue the case on behalf of the college.

A student alleged to have violated the Academic Integrity Policy has the following rights:

- The student will be notified of their right to appeal to the dean. The student must file their appeal no later than 10 business days after the date the notification was sent. If the student does not file a timely appeal, the sanction is final.
- A student's appeal of an allegation of an academic integrity violation or recommended sanction must be submitted in writing and include the following:
    - a description of the alleged academic dishonesty, including a factual narrative of events, the dates and times of occurrences, and any other reason why the sanction should not be imposed
    - the names of persons having information about relevant circumstances or events
    - the general nature and description of all evidence
- If the student files an appeal, the student must meet with the academic integrity officer to discuss hearing procedures. The academic integrity officer will help the student navigate the process and provide additional information when needed.
- If the student wishes to dispute any aspect of the allegation or sanction, the student may file an appeal. If the student files a timely appeal, the sanction will not be imposed until the appeal is resolved. If the student files an appeal at the end of a semester, or during the last semester of enrollment, the course grade or degree may be

withheld until the matter is resolved. If a grade or degree will be withheld for any period, the academic integrity officer or dean must notify the Registrar's Office.

## Student Affairs and Grievances Committee hearing

The academic integrity officer will forward a student's timely appeal to the instructor.

**Pre-hearing proceedings**
The academic integrity officer will send a notice of hearing to the student; instructor; The College of Liberal Arts and Science's Student Affairs and Grievances Committee (termed "college/school board" on Provost website); and the head of the college, school or academic unit where the alleged dishonesty occurred. The notice will include the following information:

- the time and place of the hearing before the Student Affairs and Grievances Committee (Unless the parties and academic integrity officer agree otherwise, the hearing will take place during the regular fall or spring semester.)
- a copy of this policy or instructions on how to access the policy electronically
- the requirement that the parties provide to the academic integrity officer a written list of witnesses and a description of any documents or other evidence they intend to use at the hearing (Unless the chairperson provides otherwise, this information must be exchanged at least five business days before the hearing.)
- the length of time set for the hearing, the time limitation for the presentation of evidence and any other procedural requirements

**Conduct of the hearing**
In order to preserve the confidential nature of the disciplinary process and to protect the privacy of those involved, the hearing will be closed to the public.

The chairperson of the Student Affairs and Grievances Committee will preside at the hearing and will rule upon all procedural matters. The formal rules of evidence will not apply, although objections to the introduction of specific statements or documents may be considered by the chairperson. Irrelevant, immaterial, privileged or unduly repetitious information will be excluded.

The instructor shall have the burden of showing it is more likely than not that the student engaged in academic dishonesty. The instructor must also explain the reason for the sanction. If the student accepts responsibility for academic dishonesty, then the Student Affairs and Grievances Committee may focus the hearing on the appropriate sanction.

Information regarding prior violations or informal resolutions of previous allegations may not be used as proof of a current violation, but may be admitted for other purposes, such as to show that the student had prior experience relevant to the allegations or to show that the student had been informed previously that the conduct was unacceptable. The Student Affairs and Grievances Committee may also consider information regarding prior violations in determining an appropriate sanction.

A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned the appeal, unless the student can demonstrate that extraordinary circumstances prevented appearance or participation.
The student and instructor may each have an advisor present, but the advisors shall not be permitted to address the Student Affairs and Grievances Committee directly, except as the chairperson deems necessary or appropriate.

The hearing will be recorded and the student may request a copy of the recording. The student may also request a transcript, but will be responsible for its cost.

Except as otherwise permitted by the Student Affairs and Grievances Committee, witnesses will be excluded from the hearing except during their own testimony. The chairperson may remove a party, advisor or witness from the hearing if that person's conduct is disruptive.

When necessitated by fairness or extraordinary circumstances, the Student Affairs and Grievances Committee may permit the parties to make arrangements for recorded, written or telephonic testimony from their witnesses for use in the proceeding.

The instructor shall proceed first at each stage of the presentation.

- Each party may present an opening statement, which summarizes what information is expected to be presented.
- Each party will call a witness or witnesses to provide statements under oath.
- At the conclusion of each witness's statement, they may be questioned by the other party.
- The committee may ask further questions of each witness.
- Each party may present a closing statement, which summarizes the information that was presented.

If the alleged academic dishonesty involves the work of multiple students, the Student Affairs and Grievances Committee may modify these procedures to address the circumstances. The college Student Affairs and Grievances Committee should provide prior written notice of any modification of the procedures to all parties. Each student must file his or her own appeal. A student who has not filed an appeal should not expect to benefit from another student's appeal.

**College board deliberations and recommendations**
Following the presentation of information and closing statements, the Student Affairs and Grievances Committee will discuss the information that has been presented and the reasonable inferences to be drawn from it. Only the committee, its legal advisor, if any, and the academic integrity officer may be present during the deliberations. Neither the student nor the instructor may be present during the deliberations.

Based solely upon the information presented, the Student Affairs and Grievances Committee will formulate a recommendation to the dean as to whether the student has more likely than not engaged in academic dishonesty and the appropriate sanction. Recommendations must be supported by a simple majority of the Student Affairs and Grievances Committee.

The Student Affairs and Grievances Committee will prepare and send a written recommendation to the dean within five business days of the hearing. The written recommendation will include findings of fact and a statement of the reasons for the recommendation. It will also be signed by the Student Affairs and Grievances Committee chair. If the recommendation is not unanimous, dissenting opinions should be reflected in the recommendation.

## Review and decision by dean

After reviewing the Student Affairs and Grievances Committee's recommendation, the dean will render a written decision which affirms, denies or accepts the Student Affairs and Grievances Committee's recommendation with modifications.

The dean may not make new findings adverse to the student or increase the severity of a sanction, unless:

- The dean provides the student notice and an opportunity to respond to the new findings or sanction.
- The dean remands the matter to the Student Affairs and Grievances Committee for further proceedings.

The dean will provide written notice of the decision to the student; the academic integrity officer; the instructor; the Student Affairs and Grievances Committee; and the head of the college, school or academic unit where the alleged dishonesty occurred within 20 business days following receipt of the Student Affairs and Grievances Committee's recommendation. A delay may occur if it becomes necessary to conduct further investigation or to remand the matter to the Student Affairs and Grievances Committee. In those cases, the written decision will be transmitted no later than 20 business days following completion of the investigation or the Student Affairs and Grievances Committee's subsequent recommendation.

The dean's decision is final and may not be further appealed unless the dean recommends that the provost suspend or expel the student from the university.

If the dean recommends the suspension or expulsion of an international student, both the student and academic integrity officer should consult with the ASU International Students and Scholars Center [5].

If the dean recommends that the provost suspend or expel the student from the university, the letter from the dean will state that the student may appeal the recommendation by filing a written request for review with the provost within 10 business days of the date of the letter.

If the student does not timely appeal, the provost or designee will review the dean's recommendation and issue a final decision on suspensions or expulsions from the university.

## Review and decision of a suspension or expulsion from the university

A student may seek to have a dean's decision reviewed by the University Academic Integrity Hearing Board only if the dean recommends that the provost suspend or expel the student from the university. However, a student who failed to appeal or abandoned the appeal at the Student Affairs and Grievances Committee hearing may not appeal to the University Academic Integrity Hearing Board.

The appeal must be in writing and must be filed with the provost within 10 business days of the date of the dean's decision letter.

The provost or designee will appoint and charge a University Academic Integrity Hearing Board to conduct the hearing. The board will be comprised of three members; one member must be a student and one of the other members will act as

chairperson. The hearing shall follow the procedures set forth in the Student Code of Conduct Procedures (PDF) [6], except that the college or school will take the role of the dean of students and the provost or designee will take the role of the senior vice president for Educational Outreach and Student Services.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [7].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [8], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [9] website.

## Undergraduate policies

### Student responsibilities

Students enrolling in courses offered by The College of Liberal Arts and Sciences are expected to follow the rules and deadlines specified in this catalog pertaining to enrollment, adding or dropping classes, withdrawals, and tuition payment.

Students are encouraged to meet with their academic advisors regularly. Students with additional questions regarding the academic rules of the college and the university are welcome to meet with their academic advisor. Academic advisor contact information and appointment scheduling tools are available on My ASU [10] under the Academic Support Team heading.

In addition, students must understand and follow the requirements for the university's General Studies Policy [11] and Undergraduate Graduation Requirements Policy [12] in their edition of ASU's academic catalog. The academic catalog is the governing source for all degree requirements.

### Academic standing

The standards for GPA and the terms of academic warning, academic probation or continuing probation, disqualification, and reinstatement are identical to those of the university, as set forth under the Retention and Academic Standards Policy [13].

After students are placed on academic warning or probation, one of three things can happen:

1. They can return to academic good standing by raising the cumulative GPA to 2.00 or greater.
2. They can remain on probation by earning the required semester GPA of at least 2.00 but not raising the cumulative GPA to academic good standing. Students may continue on academic probation, earning the required semester GPA, for as many semesters as it takes to raise the cumulative GPA to academic good standing.
3. They can be disqualified if they fail to achieve the required semester GPA of 2.00.

Students who are placed on academic warning or academic probation are required to interact with their major academic advisor in each term they remain on continuing probation prior to enrollment in subsequent terms.

Students who leave the university for a semester or more while on academic probation are automatically readmitted, except when reapplying to degrees in the Hugh Downs School of Human Communication, which has specific readmission criteria. Students should review the reinstatement and readmission portion of this page for more information about policies and procedures.

Students who fail to meet the minimum semester GPA of 2.00 in the fall or spring semester after being placed on academic probation are disqualified from further attendance at Arizona State University for a minimum of one semester. Students who are academically disqualified should contact their academic advisor to discuss options for returning to ASU.

## Academic advising

All students are encouraged to seek academic advising before registering for courses each semester. Academic advisor contact information and appointment scheduling tools are available on My ASU [10] under the Academic Support Team heading.

### eAdvisor

eAdvisor [14] provides students with the tools to successfully follow their major maps to graduation and assists the students with:

- learning more about graduation requirements for their majors
- discerning what critical requirement courses and grades are required to stay on track to successfully complete their degrees
- planning for and scheduling appropriate courses in the correct sequence to maximize success
- monitoring progress toward their degrees
- finding out how courses may fit into other majors if they decide to change majors or to add concurrent degrees

### Academic advising locations

The College of Liberal Arts and Sciences continuing on-campus students and all new and continuing online students should seek routine academic advising in the department or school [15] of their major.

All on-campus first-year students and first-term transfer students in The College of Liberal Arts in Sciences should seek academic advising with advisors located in the Academic Advising Hubs located on the first floor of Armstrong Hall.

The Office of Student and Academic Programs, located in Armstrong Hall, 1st floor south, is the central resource center for academic information in the college. Clarification of rules, procedures and academic advising needs of The College and university should be directed to that office. The Office of Student and Academic Programs also provides information on policies and procedures regarding academic integrity, student grievances with respect to grades, and various petitions involving college and university degree and graduation requirements.

### Required advising

The following groups of students are required to consult with their academic advisor in order to be eligible to register for their courses:

- all students registering for their first semester at ASU
- first-year students registering for their second semester at ASU (Successful completion of LIA 101 class assignment will meet academic advising requirement.)
- students on academic probation or continuing probation
- students newly readmitted to the university
- students who are off track in their major

Students listed above should consult an advisor in the department or school of their major. Disqualified students seeking readmission should first apply to the university for readmission [16]. Once students have been readmitted to ASU, they should consult an academic advisor in the department or school of their major.

### Advising for preprofessional programs

| Professional Field | Advisor Location |
|---|---|
| Dentistry | ARM 112 |
| Foreign Service | Diplomat in Residence, Laura Gritz<br>DIRSouthwest@state.gov [17] |
| Law | ARM 112 |

| | |
|---|---|
| Medicine | ARM 112 |
| Ministry | School of Historical, Philosophical and Religious Studies, COOR 3309 |
| Occupational Therapy | ARM 112 |
| Optometry | ARM 112 |
| Pharmacy | ARM 112 |
| Physical Therapy | ARM 112 |
| Physician Assistant | ARM 112 |
| Veterinary Medicine | ARM 112 |

**Health professions**
Students who plan to pursue a health profession should meet regularly with the preprofessional advising staff [18] located in the Futures Center (ARM 112). For each of the health-related fields listed above, specific courses must be taken to complete graduate or professional school prerequisites and to prepare for required standardized admission exams (e.g., MCAT). To schedule a meeting with a prehealth advisor, students should email prehealthtempe@asu.edu [19], or they can visit Handshake [1].

**Prelaw**
Students who plan to pursue a law-related profession should seek guidance from the preprofessional advising staff [21] located in the Futures Center (ARM 112). There are no specific course requirements for entrance into law school. Courses that engage students in intense critical analysis and include substantial amounts of writing, however, are recommended as are practical experiences outside of the classroom (e.g., internships). Students can schedule a meeting with a prelaw advisor by emailing prelawadvising@asu.edu [22], or they can visit Handshake [20].

## Academic (grade) grievance

Academic grievances occur when a student is appealing a final grade issued in a course. This process does not address academic integrity allegations, faculty misconduct or discrimination. Grievances must be resolved within the regular semester immediately following the session in which the grade was issued (by commencement for fall or spring) regardless of whether the student is enrolled at the university.

The grievance procedures of The College of Liberal Arts and Sciences are as follows:

- **Consultation with instructor:** The student questioning a course grade must first confer with the instructor, state the evidence, if any, and reasons for questioning that the grade received was not given in good faith. The instructor must review the matter, explain the grading procedure used and show how the final course grade in question was determined. If the instructor is a graduate assistant and this consultation does not resolve the difficulty, the student may then take the dispute to the faculty member in charge of the course.
- **Review by department leadership:** If the grading dispute is not resolved after consultation with the instructor, the student may appeal to the department chair, director or other appropriate faculty within the department or school that offered the course. That member of the faculty may confer with the instructor to review the dispute. In most instances, the grievance procedure can be resolved after consultation with the instructor or review by department leadership and does not go beyond this level.
- **Meeting request with The College dean's office:** If the matter remains unresolved, the student may then request a meeting with a representative in The College of Liberal Arts and Sciences dean's office. In order to request a meeting, the student must complete the Academic Affairs Report form [23]. Students should not submit this form until after consultation with the instructor and review by the department leadership.

After meeting with the student, the dean's representative will send an email outlining their assessment of the grievance. The dean's representative will determine if the final course grade will stand as issued or if further review of the issued grade is warranted.

Questions about this process can be directed to: TheCollegeDean@asu.edu [24].

Typically, final course grades appeals are only considered when one or more of the following criteria are met. Appeals requested for areas outside these parameters are not eligible for formal hearings and will not be heard.

- There was an error in calculating the final course grade for the course.
- The criteria for determining the final course grade was changed from what was specified in the syllabus.
- The evaluation system was not consistently and fairly applied to all students.

## Formal process

**Step 1:** If directed to do so by the dean's representative, the student may, no later than 10 business days after receiving the request from the dean's representative, provide a written statement outlining the evidence, if any, and reasons for questioning that the grade was not issued in good faith. Supporting materials should be attached as exhibits to the statement. The statement should be scanned, signed and submitted with all attachments as a single .pdf file. Students should review the Guideline for Statements of Academic Grievance (PDF) [25].

The student's written statement must provide evidence that one or more of the circumstances occurred as part of the issuance of the final course grade:

- An error occurred in calculating the final course grade for the course.
- The criteria for determining the final course grade was changed from what was specified in the syllabus.
- The evaluation system was not consistently and fairly applied to all students.

**Step 2:** The dean's office will provide the student's statement with any exhibits to the instructor and request that the instructor provide the dean's office with a formal written response within 10 business days.

**Step 3:** When the written response is received from the instructor, the dean's representative will contact the student, who can then schedule an appointment to review the instructor's response.

After reviewing the instructor's response, the student may submit a written request for a hearing before The College of Liberal Arts and Sciences Student Affairs and Grievance Committee. The dean's representative will determine if the final course grade will stand as issued or if the grade appeal will be heard by the committee.

The committee is a regular committee and meets weekly during the fall and spring term when school is in session. The dean's representative serves as a nonvoting, ex-officio member of the committee.

**Step 4:** The committee shall meet with the student and the instructor in an attempt to resolve the differences. In order to preserve the confidential nature of the final course grade grievance process and to protect the privacy interest of those involved, the hearing will be closed to the public. The committee chair will preside at the hearing and will rule upon all procedural matters. A student who fails to appear or refuses to participate at the hearing will be deemed to have abandoned the request for a hearing, unless the student can demonstrate that extraordinary circumstances prevented their appearance or participation.

**Step 5:** After all parties have been heard, they will be excused and the committee will deliberate in closed session. Once the committee has reached consensus the committee chair will submit their written recommendation to the either the graduate or undergraduate associate dean in The College of Liberal Arts and Sciences. At that time, the respective associate dean will take final action after fully considering the committee's recommendation. The associate dean shall inform the student, instructor, department chair or school director (if any), registrar (if appropriate), and grievance committee of any action taken. The decision of the dean is final.

It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe that they are victims of retaliation should contact the Office of University Rights and Responsibilities [26].

For the purposes of this process, business days are defined as days the university is open.

# Credits, degrees and course registration

## Credit requirement

All candidates for graduation for bachelor's degrees in The College of Liberal Arts and Sciences are required to complete at least 120 credit hours of which at least 45 credit hours must consist of upper-division courses. A minimum cumulative ASU GPA of 2.00 is required for graduation.

## Minors

The College of Liberal Arts and Sciences offers minors in many of its disciplines. All minors require a minimum of 18 credit hours in the discipline with at least 12 of those credit hours as upper-division courses. Students should work with their major academic advisors to make certain they are making the most effective choices to complete their minors. If there are additional questions regarding the minor, the major academic advisor will consult with the department offering the minor. Students may not use courses in their minors toward their majors and, similarly, students may not use courses in their majors to fill the requirements of their minors. Additionally, there may be some disciplines that are too close in content for a student to choose a particular combination of minor and major.

## Course load

Undergraduate students are normally limited to 18 credit hours per fall or spring semester (or nine credit hours each in sessions A and B) and 14 total credit hours per summer session (seven credit hours each in sessions A and B; nine credit hours in session C). The typical student course load is 15 or 16 credit hours for a full 15-week semester.

Students who wish to register for more than 18 hours must meet GPA criteria based on the number of additional credit hours requested. Students should review the college's website for specific criteria, further guidelines and the course overload petition form [27]. Students meeting these requirements may seek an overload for 19 or more credit hours (or up to 10 credit hours in either session A or B) from the academic advising office in the department or school of their major.

Students should not assume that their petition for overload will be granted. Overload requests are evaluated based on the student's most recent academic performance, cumulative performance and the reasons for requesting the overload. First-year students and transfer students are not permitted to receive course overloads for their first semester at ASU.

## Pass/fail grade option

The pass/fail grade option is intended to broaden the education of liberal arts and sciences undergraduates by encouraging them to take advanced courses outside their specializations. A grade of “P” (pass) contributes to a student’s earned credit hours but does not affect the GPA. A failing grade of "E" is computed into the GPA.

Students in The College of Liberal Arts and Sciences with at least 60 credit hours may take courses under the pass/fail option. The following conditions apply:

- Enrollment for the pass/fail option must be approved by both the instructor and the college offering the course, as well as the student's college or school. Permission is recorded on the Pass/Fail Enrollment Application form [28].
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the add period.
- A maximum of 12 credit hours taken for pass/fail may be counted toward graduation.

Students may not enroll under the pass/fail option in courses that are:

- taken to satisfy the second-language or first-year composition requirements
- required in the student's major, minor or certificate program
- counted toward or required to supplement the major
- counted as 499 Individualized Instruction
- taken for honors credits
- counted toward satisfying The College of Liberal Arts and Sciences graduation requirements or ASU General Studies requirements

## Audit grade option

Students may choose to audit courses in which they attend regularly scheduled class sessions but earn no credit. Students wishing to audit a course should obtain instructor approval before registering.

The audit grade option may not be changed after the add period.

# Degree requirements

## The College graduation requirements

All students in The College of Liberal Arts and Sciences must complete the university General Studies requirements [11] as well as all requirements of their major. In addition, the college has established requirements that are specific to the BA, BS and BSP degrees.

**Requirements for all undergraduates in The College of Liberal Arts and Sciences**
All students are required to take a minimum math course of MAT 117 College Algebra or higher. A grade of "C" or better must be earned in the chosen mathematics course.

Each student admitted as a first-time, first-year student is required to complete a first-year success course or first-year seminar. These courses are designed to introduce students to the college and help them gain an understanding of what they will need to do to be successful students at ASU. Topics include academic success, academic integrity and student engagement.

**Bachelor of Arts requirements**

- completion of second language coursework at the intermediate level (202 or equivalent)*
- a second language course at the 300 level or higher taught in the foreign language and having 202 or its equivalent as a prerequisite
- demonstrated completion of secondary education at a school in which the language of instruction is not English
- completion of ASL 202 American Sign Language IV or its equivalent

*Those students completing this requirement in Ancient Greek must take GRK 301 and 302.

**Bachelor of Science and Bachelor of Science in Planning requirements**
Each student pursuing a Bachelor of Science or Bachelor of Science in Planning degree must complete six credit hours (two courses) of science and society courses [29]. At least one course must be completed at the upper-division level. Students should consult an advisor in the department or school of their major for a list of appropriate courses.

## Major requirements

Each student is required to select a major from among the fields of study offered by The College. Major maps describe the requirements for completion of each degree program.

The department or school of the major may require up to 45 credit hours of coursework. The minimum is 30 hours. A maximum of 15 additional credit hours may be required in related courses and prerequisites. No more than 60 credit hours of coursework may be required to complete the major, related courses and prerequisites. Some departments require calculus-level mathematics, and up to five of these credit hours may be excluded from the 60 credit hour maximum as they satisfy The College's mathematics proficiency requirement. A minimum of 12 upper-division credit hours in the major must be taken in residence and from courses offered by The College of Liberal Arts and Sciences.

No credit is granted toward fulfilling major or minor requirements in any upper-division course in that subject field unless the grade in that course is at least a "C". In The College of Liberal Arts and Sciences, the assignment of a grade of "Y" (satisfactory) indicates a level of performance that would have resulted in a grade of at least "C" had the normal grading scheme been used.

Students should see individual departmental websites for other minimum grade requirements.

Major fields of study are classified into the following three areas:

**Humanities** [30]

- Asia studies
- Asian languages (Chinese/Japanese)
- culture, technology and environment
- English*
- film and media studies
- French
- German
- history*
- international letters and cultures

- Italian
- Jewish studies
- philosophy
- religious studies
- Russian
- Spanish

**Natural sciences and mathematics** [31]
- actuarial science
- astronomical and planetary sciences
- biochemistry
- biological sciences
- biophysics
- chemistry
- computational mathematical sciences
- data science
- earth and environmental studies
- earth and space exploration
- mathematics*
- microbiology
- molecular biosciences and biotechnology
- neuroscience
- physics
- psychology
- technological leadership

**Social sciences** [32]
- African and African American studies
- American Indian studies
- American studies
- anthropology
- applied mathematics for the life and social sciences
- Asian Pacific American studies
- civic and economic thought and leadership
- communication
- economics
- family and human development
- gender, women and sexuality studies
- geographic information science
- geography
- global health
- global studies
- justice studies
- meteorology-climatology
- political science
- politics and the economy
- sociology
- transborder Chicana/o and Latina/o studies
- urban planning

*These degree programs offer a concentration in secondary education.

## General electives

Most liberal arts and sciences majors can meet all the requirements stated above with fewer than the 120 credit hours required for graduation. Remaining hours are general electives that may be selected from any of the departments of The College of Liberal Arts and Sciences or from the offerings of other ASU schools and colleges.

### Concurrent and second baccalaureate degrees

In order to complete a second baccalaureate degree or concurrent degree, students must earn at least 30 unique credit hours applied toward the requirements for each major's degree.

Specific combinations of degrees [33] may be deemed inappropriate.

Pursuing a concurrent degree in The College of Liberal Arts and Sciences requires approval. In order to request pursuit of a concurrent degree, students must have completed at least 30 credit hours, have completed at least one fall or spring semester at ASU, and have a minimum GPA of 2.00. Students should visit the college's concurrent degree checklist [34] for more information on pursuing a concurrent degree.

## Reinstatement/readmission

Students who have been academically disqualified from the university and have not attended for at least one regular semester can earn readmission [16] to the college and to their majors. The first step for students seeking readmission is to complete the undergraduate admission application [35]. Students should work with the academic advisor in the desired major to discuss a plan and strategies for being readmitted to ASU. The plan may include taking coursework at a two-year college or ASU summer classes, or both, and meeting specific GPA requirements to demonstrate readiness to return to ASU.

Disqualified students who were off track for two or more semesters at the time of their disqualification will not be automatically readmitted into their former majors.

# Graduate policies

Students should consult their program handbooks or the individual school or department for information about requirements for graduate study.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all policies set forth by the Graduate College [36] and The College of Liberal Arts and Sciences. Any questions in regards to graduate policies for the college can be directed to TheCollege-Grad@asu.edu [37].

**Source URL:** https://catalog.asu.edu/policies/liberal_arts

**Links:**
[1] https://provost.asu.edu/academic-integrity
[2] https://thecollege.asu.edu/resources/academic-integrity
[3] https://provost.asu.edu/academic-integrity/policy#k-xe-grade
[4] https://eoss.asu.edu/dos/srr/codeofconduct
[5] https://issc.asu.edu/
[6] https://eoss.asu.edu/sites/default/files/student_conduct_procedures_rev_6-23-2021_Cleryfinal.pdf
[7] https://www.asu.edu/aad/manuals/acd/acd401.html
[8] mailto:titleixcoordinator@asu.edu
[9] https://www.asu.edu/reportit/
[10] https://webapp4.asu.edu/myasu/
[11] https://catalog.asu.edu/ug_gsr
[12] https://catalog.asu.edu/undergraduatereq
[13] https://catalog.asu.edu/retention_standing
[14] https://eadvisor.asu.edu/
[15] https://thecollege.asu.edu/advising/departments
[16] https://admission.asu.edu/undergrad/readmission
[17] mailto:DIRSouthwest@state.gov
[18] https://prehealth.asu.edu/advising/tempe-campus
[19] mailto:prehealthtempe@asu.edu
[20] https://asu.joinhandshake.com/login
[21] https://prelaw.asu.edu/about-prelaw-advising
[22] prelawadvising@asu.edu
[23] https://asuacademicaffairs-advocate.symplicity.com/public_report/index.php/pid833134?
[24] mailto:TheCollegeDean@asu.edu
[25] https://thecollege.asu.edu/sites/default/files/2021-05/Student%20guidelines%20for%20Academic%20Grievance%2C%20Spring%202021.pdf

[26] https://urr.asu.edu/
[27] https://thecollege.asu.edu/resources/advising/credit-overload
[28] https://students.asu.edu/forms/application-pass-fail-enrollment
[29] https://thecollege.asu.edu/student-resources/science-society
[30] https://humanities.thecollege.asu.edu/
[31] https://thecollege.asu.edu/about/academics/natural-sciences
[32] https://thecollege.asu.edu/about/academics/social-sciences
[33] https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees
[34] https://thecollege.asu.edu/concurrent-checklist
[35] https://webapp4.asu.edu/uga_admissionsapp
[36] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals
[37] mailto:TheCollege-Grad@asu.edu

# Edson College of Nursing and Health Innovation policies

The Edson College of Nursing and Health Innovation may need to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical health care agency requirements; therefore, policies, protocols and procedures are subject to change. Students should confirm current policies, protocols and procedures for clinical placements with the respective student handbook [1].

Students should contact the college's Student Academic Services office at 602-496-0888 or edsoncollege@asu.edu [2] with any questions on college policies.

## Academic and professional integrity

Academic honesty is expected of all students. The Edson College of Nursing and Health Innovation adheres to the ASU Student Code of Conduct [3], the ASU Academic Integrity Policy [4], and the college academic and professional integrity protocol located in student handbooks [5]. Academic dishonesty is not tolerated in any course and is subject to specific Edson College of Nursing and Health Innovation policies and procedures. Possible sanctions include appropriate grade penalties, disqualification and dismissal.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [6].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [7], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [8] website.

## Undergraduate policies

### Academic standing

University standards for academic good standing [9] are followed for all majors in the college. Students who do not maintain the minimum GPA after each fall or spring semester are placed on academic probation. Students on academic probation or continuing probation must meet with an academic advisor before registering for the subsequent semester. Students placed on academic probation have one semester to raise their cumulative or semester GPA to meet the criteria for academic good standing; otherwise, they may be disqualified or be determined to be ineligible for majors in this college. Disqualified students are not permitted to enroll for the fall or spring semesters.

eAdvisor tracking [10] focuses on students who initially enroll as full-time, first-year students, and the tool tracks their progress during the first four semesters. It identifies and outlines the critical courses, GPA requirements and milestones that predict success in each major. Students use major maps and progress reports to plan which courses to take each semester.

Students who do not meet critical requirements are notified they are off track, and this off-track status is displayed on the student's My ASU [11]. Off-track students are required to see an academic advisor before registering for or adding classes. Students off track for two consecutive semesters may be required to change majors, depending on the major. Students in the BSN nursing traditional prelicensure clinical nursing program, in alignment with continuing eligibility criteria, are required to change their major if they are off track for one semester.

Students pursuing the RN to BSN or concurrent enrollment program or who are enrolled as a postbaccalaureate student (pursuing a second degree) are not critically tracked.

## Advising

Academic advising is an essential aspect of the educational experience and is provided by the college through the Student Academic Services office. Academic success advisors assist students with program planning, registration, preparation of petitions, verification of graduation requirements, referrals to university and community resources, and career planning.

ASU accepts coursework transferred from other accredited institutions, and the Edson College of Nursing and Health Innovation determines if and how the courses will be applied.

The Student Academic Services office is committed to ensuring that students reach their academic goals. This is done by monitoring student progress and providing the academic resources and personalized tools students need to get off to a good start and stay on track toward graduation. Students can monitor their own progress with the eAdvisor [10] academic success resources at My ASU [11].

Student responsibilities include following university guidelines regarding submission of transcripts from all colleges other than ASU, obtaining the necessary signatures or computer verifications required by the university, and following university procedures for matriculation. It is ultimately the responsibility of each student to fulfill academic and program requirements.

Students are encouraged to schedule appointments each semester to ensure they are making progress toward their degrees.

Students may schedule an advising appointment through the Edson College Advising appointment scheduler [12] or by calling 602-496-0888.

### Mandatory advising

Advising is required for:

- newly admitted students (all first-year students and new undergraduate transfer students), prior to registering for courses for the first term
- students not making satisfactory progress (academic warning, probation, continuing probation and off-track) are required to meet with an academic advisor to plan strategies for improving academic standing
- students wishing to pursue concurrent degrees, who must petition the university standards committee and have approval from the Edson College of Nursing and Health Innovation and from the college that offers the other chosen degree

Students interested in the prelicensure nursing program must attend or view a BSN information session [13] before a one-on-one academic advising appointment will be scheduled.

## Credit and registration

### Course load

Students wishing to register for more than the maximum allowable credits in a term must contact their academic advisor to obtain an approved overload before registration.

All upper-division nursing courses must be taken for a letter grade, except for selected clinical courses in the prelicensure program that are taken for “P” (pass) or “Y” (satisfactory).

## Degree requirements

### RN to BSN program

Applicants who have an associate degree in nursing or a nursing diploma and have their RN license must apply to the online RN to BSN program [14]. Potential students must have an active RN license in good standing in the state in which they are working. A minimum GPA of 2.50 is required for all undergraduate coursework. All prerequisites, including a statistics course, require a grade of a “C” (2.00) or better.

RN to BSN program courses are offered online and can be completed in 14 to 24 months. There are five starts per year: two in the fall, two in the spring and one in the summer. The RN to BSN program builds on the knowledge and skills students learned in their associate degree or diploma programs. The course assignments enhance students' written and

verbal communication skills, clinical reasoning skills and technology skills. Faculty members are leaders and experts in their practice areas. The faculty strive to prepare graduates who will become engaged, professional and innovative leaders who use evidence-based practice to facilitate positive change in the work environment and community. Graduates will demonstrate holistic, population-based perspectives and be solution identifiers, client advocates and effective communicators.

## Traditional prelicensure clinical nursing program

Admission requirements for the traditional prelicensure clinical nursing program are more rigorous than university requirements. Some entering first-year students will be admitted directly to the nursing major. Other students will be admitted to an alternative major, the BS in community health, and then compete for space in the nursing program. A competitive advancement process is utilized to fill any available seats in the TPCNP after the placement of directly admitted nursing major students. Spaces will be given to those students with the highest advancement score. Directly admitted nursing major students must meet continuing eligibility criteria each semester. If they fail to meet one or more of the criteria, they forfeit their direct admission nursing major status and may compete for advancement to the TPCNP.

**Direct admission**
Students admitted with direct admission status upon entering ASU as a first-year nursing major must meet the continuing eligibility criteria outlined in their major map, each semester, to maintain this status. If direct admission is retained throughout the advancement process, students are guaranteed placement into the clinical nursing program within one year of the semester in which all 17 critical courses are completed. Direct admission students are not guaranteed their first preference. In the event the number of direct admission students requesting placement in a specific cohort is greater than the number of spaces available, placement will be determined by random selection.

**Competitive advancement process**
Students in majors other than nursing are all eligible to compete for a space in the program through the competitive application process, provided they have completed the prerequisite courses and all screening items. The advancement score for the traditional prelicensure clinical nursing program is composed of the select GPA and the TEAS score. Seats are given to the students with the highest advancement scores. For students applying through the competitive application process, the select GPA and the TEAS scores are used to rank the students from high to low. After directly admitted students who meet continuing eligibility criteria are advanced, students who are the highest on the list are offered the remaining spaces in the traditional prelicensure clinical nursing program. Students not selected may choose to compete again in the next term. There is no limit on the number of times students may compete; a waiting list is not maintained. Students who do not meet the minimum select GPA and TEAS scores are withdrawn from consideration. Nursing faculty may opt to use additional criteria in the selection process.

**Select GPA for competitive selection:** The select GPA is computed based on 13 critical (prerequisite) courses and must include ENG 101, ENG 102, and three of the four lab sciences: BIO 201, BIO 202, CHM 101, MIC 205/206. Critical courses with a grade of “C” or better may not be repeated to improve the select GPA. Students should see an academic advisor for possible replacement course options. Students who have already earned a bachelor’s degree may choose to use a “pass” grade rather than letter grades for ENG 101 and 102. Nursing faculty may opt to adjust the courses and the GPA requirements in the selection process.

**Prerequisite and select GPA for competitive students:** Students must have a minimum score of 3.25 in both their prerequisite GPA and select GPA. The average select GPA has been much greater than 3.25 for those who advanced into the program in previous semesters.

**TEAS for competitive students:** Students will be measured in the basic essential skills in academic content areas of reading, mathematics, science, and English and language usage. To prepare for the exam, students should visit https://www.atitesting.com/ [15] to review the resources available from the creators of the exam. The minimum required TEAS score is 58.7%. Direct admit students are not required to take the TEAS, but it is highly recommended.

Students who do not meet the minimum select GPA and TEAS scores are withdrawn from consideration due to ineligibility.

Admission requirements may change with each advancement cycle. Students are to refer to the advancement guide for current requirements.

## Accelerated BSN prelicensure clinical nursing program

Placement in the accelerated prelicensure clinical nursing program is based on clinical space availability. More students may request placement than clinical space will allow. Placement is not guaranteed. The program is a 12-month year-

round program with starting semesters in spring (Downtown Phoenix) and fall (Lake Havasu). Summer tuition rates apply for the summer semester, and the program has a program fee.

The prerequisites for this program are BIO 201, BIO 202, CDE 232, CHM 101, HCR 220, HCR 240, MIC 205/206, NTR 241, PSY 101 and a statistics course that meets the General Studies CS requirement. Eight of the 10 courses must be completed by the application deadline with a minimum GPA for the semester in which the student applies. Science courses must be taken within seven years of the semester in which the program will start.

Grades of “C” (2.00) or better must be earned in each prerequisite course and a minimum cumulative GPA of 3.00 for the prerequisites mentioned above is required by December 15. Courses with a grade of "C" or better may not be repeated to improve the prerequisite GPA. Students should see their academic advisor for limited replacement course options.

Placement is based on a select GPA and a TEAS score of 58.7% or higher and the test must have been taken less than one year prior to the application deadline. Eligibility requirements, criteria for placement and measurements are subject to change. The select GPA will be computed based on eight of 10 prerequisite courses. If only eight prerequisite courses are completed by the placement deadline, the student's select GPA will include all eight of the courses, four of which must be science courses. If the student has more than eight courses completed, they must select at least three of four lab sciences and then choose five other courses.

Nursing faculty may opt to adjust the courses and the GPA requirements in the selection process.

Admission requirements may change with each advancement cycle. Students are to refer to the advancement guide for current requirements.

**Program fee --- accelerated BSN prelicensure clinical nursing program:** There is a $5,500 program fee per semester or term for the accelerated BSN pathway in addition to regular tuition and fees. This totals approximately $16,500 in program fees plus regular tuition and fee charges. Fees are subject to change and are nonrefundable. All tuition and fees are subject to change.

## Concurrent enrollment program

The concurrent enrollment program is designed for qualified nursing students who are interested in earning their BSN in nursing while simultaneously pursuing their AAS in nursing at a community college. Selected students will be enrolled in the community college program and ASU RN to BSN courses concurrently. RN to BSN courses taken at ASU will be delivered in an online format. The concurrent enrollment program allows students to pursue an AAS in nursing via the community college while providing an affordable, concurrent course of study that enables students to complete their BSN degree in approximately one to two semesters after graduating with their AAS degrees.

## Course grades and currency

Students in nursing programs must earn grades of “C” (2.00) or better in all nursing coursework except in nursing practice courses in which a designation of a “Y” (satisfactory) or “P” (pass) grade is required. In addition, students are allowed only one nursing course failure (i.e., grade below “C”). The second failure in a nursing course will result in disqualification from the nursing major.

For the traditional prelicensure and accelerated clinical nursing programs, the science courses CHM 101, BIO 201, BIO 202, MIC 205, MIC 206, and HCR 240 must be current, i.e., completed within seven years of the program start date.

Undergraduate and prelicensure graduate nursing courses (prefix: NUR) expire after five years. After course expiration, students must re-enroll in the course and must earn a grade of "C" or higher. Students may earn university elective credit or General Studies credit for the original course.

## Concurrent degrees

Concurrent degrees are multiple degrees with one conferral date. The student receives both degrees at the same time regardless whether coursework for one degree is completed prior to the other degree. To pursue concurrent degrees, students must be in good academic standing.

A student desiring a concurrent degree program must meet with an academic advisor in both degree programs to learn about degree and graduation requirements and the eligibility requirements for submitting the request. Advisors in both degree programs should review the graduation plan that outlines the courses the student will take each semester through graduation.

A student pursuing a concurrent degree must submit a university petition requesting the concurrent degree. The concurrent degree request must include:

1. an accurate degree completion plan that has been reviewed by advisors from both degree programs and that shows the courses to be taken each semester through graduation
2. a formal statement outlining the request for concurrent degrees which may include short- and longer-term personal and career objectives and goals

The Edson College of Nursing and Health Innovation petitions subcommittee will review the student's concurrent degree request. Concurrent degrees may not be from the same discipline or have significant overlap in the courses required for each major.

Approved petitions are forwarded to the university registrar for notation on the student's record.

To remove a concurrent degree, the student should email edsoncollege.advising@asu.edu [16] with the student's full name and ASU ID number as well as which degree the student wants to be removed from the academic record. If the student is pursuing any minors, the student must indicate if they wish to retain the minors.

## Reinstatement/readmission

Disqualified students who have skipped a fall or spring semester must follow the procedures for readmission [17]. Applications for reinstatement and readmission to nursing are subject to rigorous requirements that reflect admission and progression standards.

## Other special requirements

**Special note:** The Edson College of Nursing and Health Innovation periodically needs to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical health care agency requirements; therefore, policies, protocols and procedures with respect to clinical placement are subject to change. Students should confirm current policies, protocols and procedures with the student handbooks [5].

### Professional licensure

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Since certification and licensure requirements vary by profession and from state to state, students should review professional licensure information [6] to determine if a program meets educational requirements for licensure or certification in a specific state; state licensing contact information also is available on the website.

### State authorization

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual SARA states in accordance with the council's established policies and standards. California does not participate in SARA and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs [19] at Edson College of Nursing and Health Innovation.

### Titers and immunizations

Prelicensure nursing should refer to the appropriate student handbook [5] and application guide for the most recent health and safety requirements.

### Level one fingerprint clearance card

Level one fingerprint clearance, in the form of a fingerprint clearance card, is required by Arizona state law in order to work with and care for children, the elderly and vulnerable adults. Fingerprint clearance is determined after a background screening process at the state and federal levels to check for criminal records. Students must have a valid, unrestricted fingerprint clearance card to advance to and remain in the clinical nursing programs. Students with concerns about a restriction may call the Arizona Department of Public Safety at 602-223-2279.

### Arizona State Board of Nursing requirement for RN licensure

Once students have completed their clinical nursing program, they must pass a national licensing examination known as the NCLEX-RN in order to obtain a nursing license. Application for and passage of the NCLEX-RN is the sole responsibility of the student. Arizona state law prohibits an individual convicted of a felony from applying for nursing licensure or certification until five years after the date of absolute discharge of the sentence. This means that all court-

ordered terms of probation or parole must be completed at least five years prior to the date of application for nurse licensure. Each case is considered by the Arizona State Board of Nursing on its own merits. The elapse of five years does not guarantee licensure or certification; it simply permits the submission of an application and board consideration. In addition, the Arizona State Board of Nursing may deny any application for a license if the applicant has committed any acts of unprofessional conduct. Students should see the Arizona State Board of Nursing website at https://www.azbn.gov [20].

### Equal access

Students with a disability who have need of assistance or special accommodations can find information about support and access as well as contact information through Student Accessibility and Inclusive Learning Services [21]. Students requesting accommodations for a disability must register with SAILS and must submit appropriate documentation to the instructor from SAILS. For more information, students are asked to review ASU policy SSM 701-02: Eligibility for Accommodations--Required Disability Documentation [22].

### Supplemental requirements for the clinical nursing programs

The requirements specified in this section affect a student's progression in the clinical nursing program coursework, eligibility for clinical placement and, ultimately, their licensure as an RN.

**Cardiopulmonary resuscitation/basic life support certification:** Proof of CPR/BLS health care provider certification is required. Currently, only CPR certification from the American Heart Association as a BLS provider is accepted. Students are required to keep the CPR/BLS certification current throughout advancement consideration and when enrolled in the prelicensure clinical nursing program.

**Federal and state background screening:** Students must have an unrestricted security background check to advance to and remain in clinical nursing programs.

**Substance screening:** All students in clinical nursing programs will be required to complete a substance screening. Results of the screen must be negative. Diluted specimens are considered positive. Students also will be tested for nicotine; however, the presence of nicotine will not restrict enrollment in clinical coursework, but it will affect the clinical placements while in the program.

**Lawful presence:** The college follows the Arizona State Board of Nursing policy regarding lawful presence in the United States: https://www.azbn.gov/licenses-and-certifications/citizenship-and-alien-status [23].

> “On January 2, 2008, ARS 1-504 (HB2467) was implemented by the board requiring ALL applicants to provide the board with satisfactory documentation demonstrating the applicants’ citizenship, alien status, legal residency or lawful presence in the United States.”

**Required clinical experiences:** Clinical hours vary with facility placement and may include 12-hour blocks of time, including weekends, evenings and overnight. Flexibility is required since there are a limited number of available clinical sites for student experiences. Students must have the ability to utilize written, verbal and computerized communication with faculty, peers and other health care professionals. Students are expected to demonstrate the ability to think critically and apply nursing knowledge to clinical situations. Students are also required to accept professional supervision from faculty and designated staff and effectively integrate feedback into practice.

## Graduate policies

## Additional policies

### Academic advising

Prospective graduate students may receive information through the college recruitment office at 602-496-0937 or edsoncollege@asu.edu [2]. Upon admission, each student is assigned a faculty advisor or mentor within the degree or certificate program or area of concentration.

### Handbooks

Students should review the student handbooks [5] for the Edson College of Nursing and Health Innovation for information regarding graduate academic procedures and protocols.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College [24] and the Edson College of Nursing and Health Innovation.

**Source URL:** https://catalog.asu.edu/policies/nursing

**Links:**
[1] https://nursingandhealth.asu.edu/student-life/current-students/policies-handbook
[2] mailto:edsoncollege@asu.edu
[3] https://eoss.asu.edu/dos/srr/codeofconduct
[4] https://provost.asu.edu/academic-integrity/policy
[5] https://nursingandhealth.asu.edu/students/policies-handbook
[6] https://www.asu.edu/aad/manuals/acd/acd401.html
[7] mailto:titleixcoordinator@asu.edu
[8] https://www.asu.edu/reportit/
[9] https://catalog.asu.edu/retention_standing#goodstanding
[10] https://eadvisor.asu.edu/#nav-eadvisor-tracking
[11] https://webapp4.asu.edu/myasu/
[12] https://advising.nursingandhealth.asu.edu/apps/nursing/advising/index.cfm
[13] https://nursingandhealth.asu.edu/programs/admissions/nursing-information-session
[14] https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nursing-rn-bsn/
[15] https://www.atitesting.com/
[16] mailto:edsoncollege.advising@asu.edu
[17] https://admission.asu.edu/undergrad/readmission
[18] https://admission.asu.edu/academics/licensure
[19] https://admission.asu.edu/academics/authorizations
[20] https://www.azbn.gov/
[21] https://eoss.asu.edu/accessibility
[22] https://www.asu.edu/aad/manuals/ssm/ssm701-02.html
[23] https://www.azbn.gov/licenses-and-certifications/citizenship-and-alien-status
[24] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals

# Watts College of Public Service and Community Solutions policies

Watts College of Public Service and Community Solutions believes students are its greatest resource. It strives to put the well-being of students at the center of every policy and program. Each student situation is unique, and students are encouraged to work directly with the advising staff to address concerns and issues within the stated policies and procedures.

## Academic integrity

Watts College of Public Service and Community Solutions' academic integrity process models the ASU process [1]. Students should review the college's grievance process [2] for more information on the process, including next steps.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment, and Retaliation [3].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [4], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [5] webpage.

## Undergraduate policies

### Academic standing

Students in Watts College of Public Service and Community Solutions are considered to be in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU. Certain majors within Public Service and Community Solutions may require a progressively higher GPA than 2.00 as a student advances toward their degree. These requirements are outlined in the student's major map.

#### Changing majors

A student changing their major into Watts College of Public Service and Community Solutions should have a GPA of 2.00 or greater.

#### Probation

Any student who does not maintain good standing is placed on academic probation. A student on academic probation is required to observe any limitations or rules the college may impose as a condition for retention.

#### Disqualification

A student who is on probation becomes disqualified if either of the following occurs:

- The student has not returned to good standing.
- The student has not met the required semester GPA.

Disqualification is exercised at the discretion of the college and becomes effective on the first day of the fall or spring semester following college action. A disqualified student is notified by the college and is not allowed to register for a fall or spring semester at the university until reinstated. A student who is disqualified may not attend as a nondegree student.

### Advising

The mission of Watts College of Public Service and Community Solutions' professional academic advising staff is to assist students in developing meaningful educational plans for meeting their academic, career and personal goals. This is done through an ongoing process of evaluation and clarification. The advisors strive to perform their duties in a professional, ethical, confidential, accurate and supportive manner, respecting student diversity and needs and always holding the individual in the highest regard. The student and advisor should accomplish this process in a spirit of shared responsibility

to help the student develop academic excellence, strong decision-making skills and self-reliance. A student who has been admitted to Watts College of Public Service and Community Solutions works with professional advisors and student services staff with expertise in the student's major area of study. Questions about advising should be directed to the student's advising team or to the Public Service and Community Solutions student services office.

Contact information for college advising can be found at the college's advising page [6].

### Mandatory advising

The following categories of students are required to receive advising and be cleared by a program advisor before they may register for classes:

- all first-year students
- all students majoring in social work
- readmitted students
- students on probation
- students who have been disqualified
- students with admission competency deficiencies
- students with special admission status
- transfer students in the first semester at ASU

## Credit and registration

### Course load

A normal course load per semester is 15 or 16 credit hours. The maximum number of hours for which a student can register is 18 credit hours (fall or spring semesters) unless an overload petition has been approved by the department or school standards committee and dean or dean's designee. Semester course loads may be further limited for students in mandatory advising status. Petitions for overload ordinarily are not approved for students who have a cumulative GPA less than 3.00 and who do not state valid reasons for the need to register for the credits. Students who register for an excess of 18 credit hours and do not have an approved overload petition on file may have courses randomly removed through an administrative drop action. Specific degree requirements are explained in detail under the respective college, school and department sections.

## Degree requirements

### Interdisciplinary public service requirement

Watts College of Public Service and Community Solutions has a college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the interdisciplinary public service requirement. Each student must complete coursework from other schools within the college. Students may choose a core course from their major and two courses from the approved course list for this requirement in addition to completing ASU 101-CPP The ASU Experience, which must be completed in the first year at ASU; the other courses can be taken while completing the degree. The approved course list for each catalog year is available on the major map. Questions about this requirement should be directed to the academic advisor for the major.

### Solution-based learning requirement

Watts College of Public Service and Community Solutions has a second college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the solution-based learning requirement. Each student must complete coursework from their school or another school within the college that has an SBL designation. Students must choose a course from the SBL list to meet this requirement. The approved course list for each catalog year is available on the major map. Questions about this requirement should be directed to the academic advisor for the major.

### Concurrent degrees

Watts College of Public Service and Community Solutions supports students who wish to pursue concurrent degrees. Students earn a separate diploma for each degree. Degrees may not be too closely related and will be reviewed by an academic advisor during the approval process.

The structure of a student's academic program is customized to meet degree requirements for both programs of study. Students are encouraged to meet with an academic advisor from each degree to establish a feasible program of study

and to start the concurrent degree approval process. If a student is adding a concurrent major outside of the college, the university approval process must be completed for both Watts College of Public Service and Community Solutions and the college of the other major.

### Reinstatement/readmission

Students seeking reinstatement after disqualification should contact Watts College of Public Service and Community Solutions student services office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmission process [7]. All academic disciplinary action is the function of the Watts College of Public Service and Community Solutions student services office under the direction of the dean of the college. Students having academic problems should contact Watts Advising at 602-496-1658 or the college's academic advising page [6].

## Graduate policies

### Advising

Advising is usually handled by a professional academic graduate advisor, graduate faculty or a committee. Once admitted, each student is typically assigned an advisor in their degree's department; this advisor assists in planning a course of study. For degree programs that require the completion of a thesis or dissertation, a chairperson and thesis or dissertation supervisory committee is selected by the student, approved by their degree program's director of graduate studies, and appointed by the dean of the Graduate College. Each graduate degree program in Watts College of Public Service and Community Solutions has its own set of policies regarding academic performance expectations. Students should contact their graduate advisor to review policies relevant to their degree.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College [8] and Watts College of Public Service and Community Solutions.

**Source URL:** https://catalog.asu.edu/policies/public_programs

**Links:**
[1] https://provost.asu.edu/academic-integrity
[2] https://publicservice.asu.edu/student-life/academic-grievances
[3] https://www.asu.edu/aad/manuals/acd/acd401.html
[4] mailto:titleixcoordinator@asu.edu
[5] https://www.asu.edu/reportit/
[6] https://publicservice.asu.edu/student-life/advising
[7] https://admission.asu.edu/undergrad/readmission
[8] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals

# Mary Lou Fulton Teachers College policies

ASU's Mary Lou Fulton Teachers College creates knowledge, mobilizes people and takes action to improve education. Faculty create knowledge by drawing from a wide range of academic disciplines to gain insight into important questions about the quality of teaching and learning and the performance of education systems. The college mobilizes people through bachelor's, master's and doctoral degree programs; through nondegree professional development programs; and through socially embedded, multilateral community engagement. Mary Lou Fulton Teachers College takes action by bringing people and ideas together to increase the innovation capabilities of individual educators, schools and organizations, districts, and communities.

Mary Lou Fulton Teachers College embraces a core value of principled innovation by holding itself accountable to three imperatives:

**Economic imperative:** To prepare learners for the next economy.

**Democratic imperative:** To prepare students to become part of an educated citizenry capable of assuming the responsibilities of self-government and of participating in a thriving civil society.

**Equity imperative:** To deliver equitable and excellent education to all learners.

For more information, students should visit the Mary Lou Fulton Teachers College [1] website.

## Academic integrity

No matter what stage of educational or professional career pursuits, acting with integrity is a cornerstone of leadership and good citizenship. Integrity is a character-driven commitment to honesty, acting in accordance with professional ethical behavior, and guiding others to do what is right. Arizona State University students are expected to act with integrity in their educational pursuits.

Violations of academic integrity fall into five broad areas that include:

1. cheating on an academic evaluation or assignment
2. plagiarizing
3. engaging in academic deceit, such as fabricating data or information
4. aiding others in academic integrity policy violations or inappropriately collaborating
5. falsifying academic records

At Arizona State University, academic integrity is expected of all students in all examinations, papers, projects, academic transactions and records, including student and apprentice teaching reporting. The possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. ASU strictly adheres to the Student Academic Integrity Policy [2].

The academic integrity officer [3] handles all questions and concerns related to academic integrity violations in the Mary Lou Fulton Teachers College. Both students and faculty can contact the academic integrity officer to report an academic integrity violation or to ask questions related to academic integrity policies and procedures.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU's policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [4].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [5], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [6] website.

# Satisfactory academic progress and professional conduct policy

In order to remain in good standing in the Mary Lou Fulton Teachers College, students must maintain satisfactory academic progress consisting of both standards of academic performance and adherence to the MLFTC professional disposition standards, as described in this policy. This document sets forth the standards and expectations for "satisfactory academic progress" and "good standing" and explains the consequences of failure to meet these standards. This policy applies to both undergraduate students and graduate students in the Mary Lou Fulton Teachers College.

In addition to the policies stated herein, students are expected to abide by applicable University and Arizona Board of Regents policies, including the Student Code of Conduct [7], the ASU Academic Integrity Policy [8], ASU Graduate College policies and procedures [9] (for graduate students), as well as all policies, procedures, rules, regulations and requirements established by the local education agency, school district and school in which they are engaged in field experience or student teaching (for certification students). Failure to do so may lead to consequences that include dismissal from the program and expulsion from the university. Graduate students should also refer to the ASU Graduate College [10] website for further information about Graduate College policies.

## Section I: MLFTC standards of academic performance

### A. Satisfactory academic progress

Advisors conduct ongoing reviews of students' academic performance in order to determine retention and continuation status. Students with records containing indicators of academic concerns may be placed on academic probation or may be dismissed (permanently removed) from their programs or the college (graduate students refer to ASU Graduate College policies).

To meet satisfactory academic requirements, all MLFTC students must:

1. Maintain minimum GPA as follows:
    - **Undergraduate students** in teacher preparation programs must maintain an overall cumulative GPA of 2.25 or higher. Students enrolled in the educational studies program must maintain an overall cumulative GPA of 2.00 or higher.
    - **Graduate students** must maintain at least a 3.00 on the following three GPAs every semester.
        - Plan/Program of Study (iPOS) GPA. The Plan of Study GPA is calculated on all courses that appear on the student's approved iPOS.
        - Overall Graduate GPA. The Overall Graduate GPA is calculated on all courses numbered 500 or higher that appear on the transcript, except courses that counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved accelerated master's degree program) and courses identified as outstanding in the original letter of admission.
        - Cumulative GPA. The cumulative GPA represents all courses completed at ASU.
2. Achieve specific course grades as outlined below:
    - **Undergraduates** should refer to their major map, which outlines courses requiring a minimum "C" grade.
    - **Master's degree and graduate certificate students** must earn a grade of "B" or better in culminating experience courses (Applied Project, Thesis, Capstone, etc.)
    - **Doctoral students** carrying more than three credits of "I" grades will be considered to not be making satisfactory academic progress.
3. Pass all required professional experiences, including internships, apprentice teaching and student teaching, with a grade of "C" or better.
4. Maintain good standing as outlined in the professional responsibilities standards section.
    - Students who violate professional responsibilities may be placed on academic probation or suspension, or may be recommended for dismissal.
5. **Doctoral students must** pass comprehensive exams by the end of the sixth academic-year semester of enrollment; pass a proposal defense by the end of the seventh academic-year semester of enrollment; pass a dissertation final defense by the end of the eleventh academic-year semester of enrollment.

**The following applies to students enrolled in accelerated master's degree programs:**
Students enrolled in a BAE to accelerated master's degree program are considered undergraduate students until all undergraduate requirements have been met. Undergraduate students enrolled in the accelerated program will be eligible to enroll in graduate level courses and seminars. However, they will not be eligible for most graduate prerequisites, including teaching and research assistantships and related health insurance, financial aid or graduate award programs, until the undergraduate degree is completed.

Students are reviewed on an ongoing basis to ensure academic progress in both bachelor's and master's degree requirements. In addition to the requirements outlined above for undergraduate and graduate students, students enrolled in an accelerated master's degree program must meet the following requirements:

- Undergraduate students in an accelerated master's degree program prior to the awarding of their undergraduate degree must complete all of their bachelor's degree requirements and graduate with their undergraduate degree within 12 months of the first day of the semester for which they were admitted to the accelerated program.
- Undergraduate students must maintain a 3.00 cumulative GPA from the time they have applied to the program (at 75 credit hours completed in the BAE program in educational studies) to the time the student begins taking graduate courses (at 90 credits completed in the BAE program in educational studies). A student must continue to maintain a 3.00 in all coursework. If a student's GPA drops below 3.00 between the time they are admitted to the accelerated program and the time they begin their coursework, their admission to the accelerated program may be revoked.
- If the student drops below the 3.00 GPA requirement once the student has started the accelerated program, the student will fall under the policy for graduate students. The student will still be allowed to complete their undergraduate degree, but will no longer be able to complete the graduate degree as part of the accelerated program.

## B. Unsatisfactory academic progress

### Undergraduate Students

Academic probation is imposed if an undergraduate teacher preparation student has a cumulative GPA below 2.25 or an educational studies student has a cumulative GPA below 2.00. An undergraduate student placed on academic probation is required to meet with the MLFTC coordinated care strategist to develop a support plan.

Academic suspension is imposed after an undergraduate teacher preparation student has been on academic probation (a cumulative GPA below 2.25) for two consecutive semesters. An undergraduate student placed on academic suspension may not progress into the next term until deficiencies have been resolved. Students on academic suspension are required to meet with the MLFTC coordinated care strategist to develop a support plan.

### Graduate Students

Students should carefully review ASU Graduate College policies [11], as the ASU Graduate College policies are in addition to these college policies. Students should pay special attention to the policies regarding GPA, time limit for degree completion and continuous enrollment.

**Deficiencies for graduate students:**

1. Plan of Study (iPOS) GPA below 3.00
2. Overall graduate GPA below 3.00
3. Cumulative GPA below 3.00
4. Earning a grade below a "C" in any required course. Students must repeat a course with a grade below a "C" the following semester it is offered and earn a "C" grade or better.
5. Earning a grade below a "B" in a culminating experience (Applied Project, Capstone, Thesis, etc.). Students must repeat a culminating experience course with a grade below a "B" the following semester it is offered and earn a "B" or better.
6. Failure to achieve a "C" or better on the second attempt may result in recommendation for dismissal from the program.
7. Earning a grade of "I" or "W" in a required course, or carrying more than three credits of "I" for students in doctoral programs.

Graduate students who are placed on academic probation may not be permitted to complete culminating experiences (applied project, etc.) until the student returns to good standing. Doctoral students must be in good academic standing to complete comprehensive exams, or to schedule oral defenses.

**Note**: Both graduate and undergraduate students will not be approved for student or apprentice teaching if they are on academic probation or academic suspension. Once a student returns to good standing, they may be approved to participate in student teaching.

### Professional experience deficiencies --- undergraduate and graduate students

The following policies apply to both undergraduate and graduate students enrolled in initial teacher certification or administrator certification programs.

1. A student who fails a professional experience or internship course (for reasons other than dismissal) may be allowed to retake the professional experience or internship one time if the reasons for failure are determined by college leadership to be remediable. If a student is permitted to retake the professional experience or internship and fails to pass the second time, the student may be dismissed from the teacher or administrator certification program.
2. A student who withdraws from a professional experience or internship course for reasons other than an approved medical or compassionate withdrawal will be required to meet with an academic advisor or success coach to develop a support plan. Repeated withdrawals from a professional experience course or internship may result in a recommendation for dismissal from the program.
3. In some cases, professional experience or internship concerns may be untenable. These may include actions that cause the sponsoring school district or other organization to suspend or dismiss an intern or student or apprentice teacher or administrator candidate, or to demand that the student teacher or intern be removed from the professional experience or internship due to violations of professional responsibilities standards, violations of a professional code of conduct, district policy, or state or federal law or other inappropriate behavior. The associate director of professional experiences determines, based on information from the university supervisor, the mentor teacher, the school district, other sponsoring organization, and the student, whether the student's actions warrant immediate dismissal from the teacher or administrator certification program without benefit of a period of academic probation or another attempt to pass the professional experience or internship.
4. A student whose paid professional experience placement is terminated by the school district due to reasons unrelated to performance, such as reductions in force, is not recommended for academic probation or involuntary withdrawal on that basis alone. However, if the student does not secure another full-time teaching position, the student must complete the degree and certification requirements by transferring to a master's and certification track and successfully completing the requirements of that program.

**Note**: Students enrolled in SPE 580 Applied Behavior Analysis Practicum must follow the policies and procedures found in the ABA practicum handbook provided as part of the course.

### C. Reinstatement to good academic standing

To be restored to good academic standing:

1. A student must improve GPA and course grades to meet the academic performance requirements. Graduate students must meet the academic performance requirements of MLFTC and academic progress requirements outlined by the Graduate College.
2. Students must meet the expectations of any Professional Improvement Plan related to satisfactory academic progress or professionalism while in the program.

**Note**: A student on academic probation or academic suspension for lack of satisfactory progress in one area (e.g., academic progress or professional responsibilities) who subsequently fails to maintain good standing in the other area will be recommended for dismissal. Return to good standing requires satisfactory progress in both areas during the time on probation. Sequential semesters of probation for repeated failures to maintain satisfactory progress will not be considered.

## Section II: MLFTC standards for professional disposition

The professional dispositions are the essence of what the college believes to be the ideal of educator professionalism. These dispositions are pieces of people's selves that contribute to the moral and ethical decision making --- the practical wisdom --- necessary to uphold policies, laws and regulations that are relevant to professional educator conduct, as well as to navigate moral dilemmas that arise in education that have no clear, right answer and cannot be solved by simple adherence to policies and procedures. These educator dispositions also guide the personal and professional practices that support the wellbeing of students, colleagues, and faculty and staff of the college. As professional educators, MLFTC is committed to developing and demonstrating these dispositions through the eight practices of Principled Innovation™ [12]. Mary Lou Fulton Teachers College embraces Principled Innovation™ as its core value. Principled Innovation™ informs how the college does everything, from navigating large scale systems change to the everyday decisions made that affect the lives and learning of other people. The moral, civic, intellectual and performance dispositions at the heart of Principled Innovation™, also referred to as character assets [12], are the essence of what the school believes to be the ideal of educator professionalism.

## A. Professional dispositions are assessed by faculty, staff, cooperating teachers, school districts and community partners.

All MLFTC students are expected to demonstrate the following:

**Disposition 1: demonstrating professional practice and demeanor**
Evidenced by:

1. Knowing and upholding the policies, laws and regulations relevant to professional educator conduct in the classroom, in the field and in the profession, regardless of one's personal views.
2. Adhering to the ASU Student Code of Conduct.
3. Monitoring and maintaining sound mental, physical and emotional health necessary to perform duties and services in any professional environment and taking appropriate measures when personal- or health-related issues may interfere with work or program related duties and responsibilities.
4. Refraining from professional or personal activity that may lead to reducing one's effectiveness in the classroom or community.
5. Taking responsibility and credit only for work actually performed or produced and acknowledging work and contributions made by others.
6. Appropriately recognizing others' work by citing data or materials from published, unpublished or electronic sources when disseminating information.

**Disposition 2: receive and act upon professional feedback**
Evidenced by:

1. Reflecting upon and assessing one's professional skills, content knowledge and competency on an ongoing basis.
2. Accepting the responsibilities, performing duties and providing services corresponding to the area of certification, licensure and training of one's position.
3. Using the ethical code of conduct unique to one's discipline to guide and frame educational decision-making.
4. Conducting research in an ethical and responsible manner with appropriate permission and supervision.

**Disposition 3: communicate and collaborate with others in a positive and professional manner**
Evidenced by:

1. Respecting the dignity, worth and uniqueness of each individual including, actual and perceived gender, gender expression, gender identity, civil status, family status, sexual orientation, religion, age, disability, race, ethnicity, socio-economic status and culture.
2. Engaging in professional communication with others in a clear, respectful and culturally sensitive manner in physical or virtual spaces.
3. Using technology including social media responsibly, transparently and primarily for purposes of teaching and learning per school and district policy and considering the ramifications of using social media and indirect communication via technology on one's interactions with students, colleagues and the general public.
4. Establishing and maintaining an environment that promotes the emotional, intellectual and physical safety of all students.

**Note:** This is not an exhaustive list of all of the professional dispositions required of educators and not all examples are included.

### Key terminology

| Term | Definition | Highlights in practice |
|---|---|---|
| **Civility** [13] | Treating others with sincere respect and as members of a shared community, including those who may challenge our beliefs or opinions. | • Talk to people you disagree with, even when it is challenging or uncomfortable<br>• Create inclusive environments where people can voice a variety of opinions<br>• Stay engaged through difficult conversations to create deeper understanding |

| Term | Definition | Highlights in practice |
| --- | --- | --- |
| **Collaboration** [14] | The act of working together toward a common goal. | • Create a sense of psychological safety to engage a diverse set of perspectives<br>• Develop shared goals and work together to overcome obstacles and setbacks<br>• Reflect in a group setting to learn more from shared experiences |
| **Critical thinking** [15] | The process of refining our beliefs through analysis, interpretation of evidence, inference, explanation, self-regulation, open-mindedness and problem solving. | • Analyze and assess our own beliefs and those of others<br>• Explore and evaluate new information, perspectives and ideas<br>• Be open to changing our minds in response to new or conflicting information |
| **Fairness** [16] | The equitable, just and reasonable treatment of others according to their needs. | • Create solutions that result in equitable and just outcomes<br>• Consider how our decisions and actions will affect a wide variety of people<br>• Seek to understand our community's values around what fairness looks like |
| **Honesty** [17] | Being open, trustworthy and truthful in a sincere and straightforward way. | • Gain clarity on issues that might be hard for us to consider or hear<br>• Say what needs to be said by communicating with empathy, civility and courage<br>• Seek to understand others' perspectives and be willing to admit when we are wrong |
| **Humility** [18] | Being honest with ourselves about what we can offer, acknowledging that there's always more to learn, with a genuine desire to advance the best interests of the community. | • Use self-reflection and honesty to accept our strengths and weaknesses<br>• Recognize the limits of our own knowledge and be willing to change our minds<br>• Be open to new ideas, information and creative approaches |

| Term | Definition | Highlights in practice |
| --- | --- | --- |
| **Inclusivity** [19] | Seeking to create environments which respect, bring together and build upon the multiple perspectives, lifestyles and experiences of each member of the community. | • Actively create environments where all voices are welcome and heard<br>• Build understanding of challenges by listening to a diverse set of perspectives<br>• Generate more creative ideas by drawing on different and even conflicting opinions |
| **Perspective taking** [20] | The ability to take on another's point of view to better understand how they think or feel and consider options we may have initially missed due to our positionality. | • Learn about others' experiences and points of view through dialogue and engagement<br>• Seek out a variety of perspectives to gain new knowledge and understand challenges<br>• Navigate differences and develop solutions based on deeper understandings |
| **Reflection** [21] | Making the time and space to process our thoughts, feelings and experiences in order to take meaningful action moving forward. | • Learn from our experiences by thinking about what happened and why<br>• Be humble and honest enough to face our own shortcomings<br>• Reflect with others to gain more perspectives, deepen learning and amplify impact |
| **Truth-seeking** [22] | Rigorously pursuing the information we need to better understand our world and then using that information in an honest, fair and empathetic manner. | • Critically assess the quality and source of data<br>• Stay open to new information by recognizing the limits of knowledge<br>• Pursue accurate information to address critical social and systemic challenges |

More information about the Principled Innovation™ assets can be found on the How PI works [12] website.

## B. Violations of MLFTC professional disposition standards

Students are informed of and have an opportunity to respond to an allegation of a violation of or behavior inconsistent with the professional disposition standards. As a general rule, the college seeks to assist students to become professionals by working with the students to develop and improve professional conduct. Students accused of violating or not acting in accordance with the professional disposition standards attend a meeting with MLFTC leadership to discuss allegations. Possible sanctions include: probation, suspension, disqualification or dismissal from the program.

The following outlines the steps taken in the referral process for a violation of MLFTC professional disposition standards.

1. The instructor, site lead or other university representative discusses concerns with the student and informs the student that a referral will be submitted to college leadership. Depending on the nature of the referral, the student may be required to attend a meeting with college leadership.
2. If the referral is made for a violation of MLFTC professional disposition standards, the student will be required to attend a mandatory meeting to discuss the alleged violations. This meeting provides an opportunity for the student to share their side of the situation. At the meeting, a Professional Improvement Plan agreement is developed with input from the student and college administration. Students on a PIP are placed on a probationary status in the college until requirements of the PIP are met.
3. Students may be required to attend a follow up meeting to discuss their status in meeting requirements outlined in their plan. Failure to attend a required meeting or fulfill expectations outlined in PIP agreement may result in program dismissal.

### C. Dismissal from professional experiences (internship, apprenticeship, or student teaching)

In the event a school district or community partner requests that a student be dismissed from an internship or residency placement for unprofessional or inappropriate behavior, the intern or teacher candidate is required to attend a meeting with college leadership to discuss the concerns submitted by the school district or community partner representative. The student will receive a copy of the dismissal recommendation prior to the meeting with college leadership. During the dismissal meeting, the student will have the opportunity to share their perspective, provide details, evidence or other supporting documentation to explain the situation from the student's perspective.

Students who are employed by the local education agency or community partner should report their program dismissal to their direct supervisor at the local education agency (usually the school principal or HR director) or community partner, often the director. Continued employment after a dismissal is a decision of the local education agency or community partner. If a student is dismissed from their paid placement, their employment with the local education agency or community partner may be terminated by the agency. **Decisions related to employment are not made by MLFTC**.

After meeting with MLFTC leadership to discuss the program dismissal, the student has the option to appeal the dismissal to the associate director of professional experiences. If it is determined that the allegations of a violation of unprofessional behavior resulting in the request for dismissal from the placement site are warranted, one or more of the following actions may result. The intern or student or apprentice teacher:

- is formally removed from the internship or student teaching placement
- receives a failing grade (E) for the internship or student teaching course
- may not withdraw from the internship or professional experience course or student teaching course. If a withdrawal is processed by the Office of the Registrar, the grade will be administratively changed to an (E).
- is not assigned another internship or student teaching placement during the same semester
- must withdraw from all courses that require concurrent enrollment with internship or student teaching, including any applied project courses taken concurrently with student teaching

If a student intends to repeat the internship or student teaching during the semester following the dismissal, the teacher candidate must show evidence of how they plan to resolve the situation or circumstances which resulted in the removal from the internship or student teaching. The student will be required to meet with MLFTC leadership to develop a Professional Improvement Plan outlining expectations for continued professional growth and academic development. In the event that the student violates the rules, policies or procedures for conduct established by the school, district, local education agency, ASU, MLFTC or the law while on a PIP for unprofessional behavior, the intern, student or apprentice teacher, or administrator candidate will be dismissed from the program. Students who are dismissed may not continue in a certification pathway, but may be eligible to pursue other noncertification degree options within MLFTC or within other colleges at ASU.

Students who opt to remain in the noncertification pathway are required to adhere to the same professionalism standards as students enrolled in certification programs. Failure to adhere to these standards will result in dismissal from MLFTC.

## Section III: Initial teacher and administrator certification policies

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

To be eligible to progress into student teaching, a student must be in good academic and professional standing. Students who have academic or professional experience deficiencies as outlined above will not be approved to participate in student teaching until the deficiencies are completed. For undergraduate students, this includes all courses which appear

on the major map in terms 1-7. For graduate students, this includes all requirements that appear on the program and plan of study.

Students are permitted to take one course concurrently with student teaching as long as the course does not conflict with student teaching requirements. Students who wish to take more than one course concurrently with student teaching must submit a petition for review by the Office of Student Services. The course must be offered in the evening or online and not conflict with student teaching contracted hours.

## Essential functions of professional experiences

As a credentialing institution of the State of Arizona, the college's mission is to prepare teachers for service in preK-12 school settings. Students are required to complete multiple professional experiences (internships and student teaching) in which they must be able to perform the essential functions of teaching. The essential functions include physical capacity, cognitive flexibility and communication. The ability to perform these essential functions is essential for successful completion of the teacher preparation program. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform these essential functions.

Teaching is a demanding profession, requiring a great deal of physical, mental and emotional stamina in which the safety and well-being of children and youth is paramount. Interns and student teachers spend the majority of their days standing while interacting with preK-12 students in the classroom and other areas of the school grounds. Escorting students from one classroom to another and maneuvering through tight spaces between desks or other classroom furniture is commonplace. In early childhood and elementary settings, circulating around and moving quickly along uneven surfaces on the playground is necessary. Student teachers may also be required to monitor and assist students when they arrive and depart from school at bus or parent pick-up locations. Playground and bus duties can require teachers to spend time outdoors in extreme heat during Arizona summers or extreme cold during winters elsewhere. Working with preK-12 students also entails kneeling or squatting, stooping and bending from 50-70 degrees at the waist frequently throughout the day. Reaching at, below or above shoulder height to write on the chalk or white boards and using technology and audio visual equipment requires significant manual dexterity. Occasionally, interns and residents will be required to lift and or move up to 30 pounds. These physical requirements allow the effective teacher candidate to engage students in activities and materials that challenge and sustain the attention of students during instructional plans.

The cognitive demands of professional experiences require that teacher candidates master relevant content in all subjects taught in the assigned classroom; use personal modeling to demonstrate performance expectations with precise and correct command of the English language; provide oral and written feedback that is academically focused, frequent and of high quality; and use content-specific instructional strategies that enhance student content knowledge. Student teachers also must be able to provide differentiated instruction to ensure that all children have the opportunity to master what is being taught. In addition, they must maintain emotional control under stress and establish rules for learning and behavior both inside the classroom and on all other areas of the school grounds by monitoring student safety and behavior. Student teachers are evaluated using a performance assessment instrument across the essential functions of student teaching. The instrument can be accessed in the Professional Experiences Handbook provided at orientation.

The physical, cognitive and communicative demands described here are representative of those that must be met by interns and residents to successfully perform the essential functions of their assigned professional experiences. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform these essential functions.

## Students on an Alternative Teaching or teaching intern certificate

The teaching position may require that the student hold an Alternative Teaching or teaching intern certificate; however, not all teaching positions require students to hold the certificate and may vary by state. The Alternative Teaching or teaching intern certificate requires MLFTC to certify to the Arizona Department of Education that the student is enrolled in a teacher preparation program and in good academic standing. The Alternative Teaching or teaching intern certificate is valid for two years. If a third year is required for program completion, the certificate needs to be renewed with ADE. At the completion of the second year, only students in good academic standing will be eligible for an Institutional Recommendation to obtain a standard teaching certificate. Out-of-state students need appropriate certification in their state, if required.

A student on an Alternative Teaching or teaching intern certificate who ceases to be eligible for their certificate is no longer eligible to continue in the alternative pathway to teacher certification program. The student may be allowed to complete the degree and certification requirements by enrolling in the traditional pathway. More information is available from the MLFTC Office of Student Services.

**Note**: Due to the intensity of program coursework and apprentice teaching, students participating in an alternative pathway are not permitted to enroll in courses outside of the prescribed program of study without approval from the program. Students wishing to concurrently enroll in a graduate certificate or degree program should work with their advisor to complete a petition, which will be reviewed on a case-by-case basis by program and may require approval from MLFTC leadership.

### Completion of the applied project

As part of a student's degree requirements, all master's degree students must complete an applied project course (Secondary: SED 593, Special Education: SPE 593, Elementary Education: EED 593). The purpose of the applied project is to act as a culmination of student work throughout the program and to enhance the student teaching experience. As a part of this course, students begin by formulating a topic that they will be researching with a group of students throughout the entire semester, typically those in their internship, student teaching or apprentice teaching placement and with their placement school's permission. A grade of a "B" or better is required to pass the course and graduate from the master's degree program.

In those cases in which a student enrolled in an applied project course must leave their placement or has completed the required placement hours, they will be required to use data from past placement courses or retain permission from a previous placement to gather additional data as needed. This is vital as students need to complete the necessary research for the project. Students who withdraw from both courses will need to maintain the ASU Graduate College policy of continuous enrollment, either by completing at least one credit hour of graduate level coursework or with an approved medical or compassionate withdrawal for the semester.

#### Applied project retake

For students who successfully complete their student teaching placement but do not pass the applied project course with a "B" or better, or if students must complete the program without certification, they are required to complete the next available corresponding applied project course. Students must locate and have access to a group of children in the relevant age group (preapproved by any organization to which they belong). Students also must contact the instructor of the applied project course before the end of the first week of class to discuss their situation, including that they will not be completing their project in an ASU placement.

## Section IV: Student support policies and procedures

### A. Supporting our students

Throughout enrollment in a Mary Lou Fulton Teachers College program, students are provided individualized support and feedback from course and field instructors. In addition, MLFTC's Office of Student Services provides a tier-based ecosystem of integrated and holistic support for student growth and learning outcomes throughout the program.

If at any time a student is in need of additional support, a faculty member, site lead, mentor teacher, academic advisor or other representative can submit an SOS form [23]. A student can also submit an SOS for themselves if they have a concern or are in need of assistance. Areas of support include financial assistance, wellness coaching, academic support, job seeking skills and professionalism.

When an SOS is submitted, it is triaged by the coordinated care team. Depending on the type of support needed, the student is invited to meet with a success coach, coordinated care strategist or the director of student success. During the meeting, the student is provided with an opportunity to share their perspective with a student advocate, be connected to resources, and participate in the development of a support plan.

### B. Pregnancy leave policy

In accordance with Title IX, students requiring leave are entitled to leave for as long as it is deemed medically necessary by their physician. For absences of less than two weeks for session C courses or one week of leave for session A, B or summer courses, students should be able to make up the missed work without affecting field placement. Longer leaves are accommodated; however, students are still required to complete all assignments and other requirements that accumulate during their leave prior to the last day of classes. Students who are unable to meet requirements prior to the end of the semester receive a grade of incomplete ("I") or have the option of applying for a medical withdrawal without loss of any tuition paid that semester. During the leave, absences are excused and do not negatively impact final grades. Students who need to request leave should meet with MLFTC's coordinated care strategist to develop leave plans.

### C. Accommodations

Mary Lou Fulton Teachers College is committed to student success and ensures an inclusive learning environment for all students. Students with disabilities or disabling health conditions who need accommodations are required to document their condition with Student Accessibility and Inclusive Learning Services. The Mary Lou Fulton Teachers College encourages admitted students with disabilities or disabling health conditions who believe they may need accommodations to register with SAILS prior to enrolling in the program. That way, all reasonable accommodations can be in place at the beginning of the program. Students who are registered with SAILS are key participants in establishing reasonable and appropriate accommodations with course instructors. Students must reregister with SAILS every semester for which they would like to receive accommodations.

### D. Incomplete grade requests

The grade of "I" (Incomplete) can only be given by an instructor when a student, who is doing otherwise acceptable work, is unable to complete a course (e.g., final exam or term paper) because of illness or other conditions beyond the student's control. Unfinished work must be completed with the same instructor except under extenuating circumstances. The completion date is determined by the instructor but may not exceed one calendar year from the date the mark of "I" is recorded.

To request an incomplete in a course a student first obtains approval from the instructor and submits an Incomplete Grade Request form [24] including a deadline for coursework to be completed. The incomplete request is then routed to the vice dean or their designee for review and final approval. Approval of the request is at the discretion of the vice dean or designee, and the approval process may include modification of the deadline or a request for additional details. Students who fail to complete the course by the agreed upon deadline receive the grade specified in the incomplete request. Incomplete deadlines may never exceed one year from the date the incomplete grade was issued.

## Section V: MLFTC appeal policies and procedures

### Academic probation

There is no appeal from the action of being placed on probation. Probation provides warning to the student of the potential for suspension or dismissal.

### Grade appeal procedure

To receive consideration, grade appeals must be submitted to the course instructor within 10 business days of the last date for posting final grades, as noted in the Academic Calendar [25].

Official course grades are listed on My ASU via the student's transcript. Students should check the transcript regularly following the grade posting date for each term. In the event there is a discrepancy between the final grade noted in the transcript and the grade the student expected to receive based on the Canvas gradebook, students must contact the instructor within 10 business days of the last date for posting final grades and may then follow the appeal process outlined below.

**Reasons for grade appeal:** A student may appeal a grade only when they can document that one or a combination of the following has occurred:

- The instructor erred in calculating points or acknowledging timely submission of assignments.
- The instructor did not apply grading standards equitably (that is, there is evidence of bias, for example, due to race, age, sex, religion or national origin).
- The instructor did not assign grades consistently with the standards and procedures for evaluation announced at the beginning of the course in the course syllabus. The instructor may amend or supplement the standards and procedures during the course by providing written or oral notice to the entire class.

**Step One: Informal meeting with instructor** --- This step is mandatory and applies to appeal of course grades only.

1. The student must contact the instructor of the course and submit the grade appeal (PDF) [26]. The student must provide any additional relevant documentation to support the appeal and reasons for disputing the grade to the instructor. The narrative accompanying the grade appeal form may not exceed five pages, double-spaced.
2. The student must meet with the instructor either face to face or, in the case of online classes only, virtually. If this meeting does not resolve the grievance, the student may move to step two and submit the grade appeal form to the appropriate Office of Student Services contact.

**Note:** If the required meeting with the instructor has not taken place, the appeal will be accepted only if the student supplies evidence that the student contacted the instructor and, a) has received no reply for five business days, or b) has

been unable to schedule a meeting within 10 business days of the date of contact. If the student does not receive a response from the course instructor within five business days, the student should move the appeal to step two. Appeals received after 10 business days will not be accepted.

**Step Two: Submit grievance to Office of Student Services** --- If the grievance is not resolved in step one, the student may forward the grade appeal to the executive director of student services.

**Step Three: Vice dean or appointed designee reviews grade appeal** --- The executive director of student services reviews the grade appeal and may request additional information, if needed. The grade appeal will be forwarded to the vice dean for review. The vice dean will review all information and will notify the student of the outcome.

**Step Four: Appeal decision to the dean (Student Issues Committee)**

- Per university policy, if not satisfied with the outcome, the student may appeal the vice dean's decision to the dean, whose decision is final. The student must appeal within five business days of receiving the vice dean's decision.
- To submit an appeal to the Student Issues Committee, the student must forward the original appeal and the vice dean's response to the associate dean of academic systems, who will begin the appeal process with the committee.
- Only the issue appealed to the vice dean may be appealed; no new issues or complaints may be added.
- The student has the option to request to appeal before the committee.
- The Student Issues Committee makes a recommendation to the dean. The dean's decision is final.
- The student will be notified by mail of the outcome.

It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.

For more information on University grading policies, students should review the University policy for student appeal procedures on grades [27]. During the time of the appeal, a student may register for courses; however, if the appeal is denied and the student is withdrawn, university policies on tuition refunds are applied. Any concerns about tuition charges should be addressed to Student Business Services.

### Graduate students --- Appealing a recommendation for dismissal from program

The ASU Graduate College office admits students to graduate study at Arizona State University. Students who fail to make satisfactory academic progress may be involuntarily withdrawn (dismissed) from their academic programs by the ASU Graduate College office upon the recommendation of the college. The student has the right to appeal a recommendation for dismissal.

**Steps in dismissal process:**

1. The advisor sends an informal notice of dismissal recommendation to the student. The student has 10 days to respond to the notice and provide any supporting documentation for review and reconsideration of the dismissal recommendation.
2. The student receives formal notice from the executive director of student services that a recommendation for dismissal from the program is being made to the ASU Graduate College.
3. Within 10 business days of receiving this notice, the student may appeal in writing to the appropriate vice dean in Mary Lou Fulton Teachers College.
4. If the appeal is denied by the vice dean, the student may continue the appeal process to the MLFTC Student Issues Committee (dean's designee). Appeal materials can be sent to the associate dean of academics. Failure to file the appeal within 10 business days of the date of notification will result in an automatic denial of the appeal.
5. If the appeal is denied by the Student Issues Committee (MLFTC dean), the dismissal recommendation will be forwarded to the Graduate College for final review and recommendation.

## Appendix A: Definition of terms

**Academic probation:** Status assigned to a student who has failed to maintain satisfactory academic progress, also referred to as "not in good academic standing." A student placed on academic probation is informed of the areas in which program standards are not being met and the actions the student must take to be removed from academic probation and restored to good standing. A student failing to meet the conditions for reinstatement to good standing may be recommended for dismissal from the program.

A student placed on academic probation is permitted to progress into the next term while addressing the deficiency, unless the next term includes student teaching. Students who are placed on academic probation in which the next term requires student teaching need to meet with the advisor to discuss options for the semester.

**Academic suspension:** An undergraduate student placed on academic suspension may not progress into the next term until all deficiencies have been resolved. Students are required to complete their deficiencies within one calendar year. Failure to do so will result in dismissal from the program.

**Professional experience:** Any practicum, internship, apprentice teaching, student teaching or other field-based course taking place off campus in a professional setting such as a school district, charter school, government agency or other educational organization.

**Cumulative GPA:** Grade point average which represents all courses completed at ASU.

**Deficiency:** A required course or other program criterion which has not been met or was not successfully completed. This term refers to coursework and GPA criteria.

**Dismissal:** Administrative removal from the field experience, student teaching courses, program or college.
An undergraduate student who has been dismissed from MLFTC will not be allowed to enroll in further teacher or administrator certification program courses for a minimum of one semester. When notified of the dismissal, the student must participate in the development of a Professional Improvement Plan. The student's current and future status will be determined by the terms of the PIP.

A student is dismissed from further enrollment in any initial teacher or administrator program for any of the following reasons:

- expulsion from Arizona State University
- failure to meet the professional responsibilities outlined in the Mary Lou Fulton Teachers College Professional Responsibilities Standards and the ASU Student Code of Conduct
- failure to resolve academic deficiencies
- noncompliance with a Professional Improvement Plan
- failure to meet ASU Graduate College policies (for graduate students)

**GPA:** Grade point average

**Overall graduate GPA:** Grade point average calculated on all graduate courses, whether or not they are on the approved program of study (iPOS)

**ASU Graduate College:** The academic organization within ASU that oversees all graduate study in every college, with the authority to admit and involuntarily withdraw (dismiss) graduate students. The college recommends the actions, but it is the vice provost for the Graduate College who holds the ultimate authority.

**Institutional recommendation:** All Mary Lou Fulton Teachers College certification programs are approved by the Arizona Department of Education to issue institutional recommendations to students who have fulfilled the state's requirements for certification. The IR allows for expedited issuance of the teaching or administrative certificate.

**iPOS:** Graduate Plan of Study entered and approved electronically and consisting of the courses required for the student to earn the degree.

**iPOS GPA:** Grade point average calculated using the courses on the iPOS.

**Professional Improvement Plan:** A Professional Improvement Plan is a tool designed to support students who may be at risk of not progressing in their major or academic plan. The PIP outlines specific action steps a student must complete in order to maintain or return to good standing within their major or academic plan.

**SOS --- Supporting Our Students:** A referral system which connects students with the Office of Student Services student success team for personalized support.

**Student Code of Conduct:** The ASU Student Code of Conduct [28]

# Undergraduate policies

## Advising

The Office of Student Services is dedicated to providing students with the very best academic support and guidance in every phase of a student's academic program. Academic program advisors provide students with assistance in selecting classes and in fulfilling program requirements. Each ASU campus has dedicated academic advisors knowledgeable about all Mary Lou Fulton Teachers College programs. Students should see the MLFTC undergraduate student services [29] webpage for advising locations and contact information. Students are encouraged to meet with their advisors every semester.

## Credit and registration

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires college academic advisor approval.

### Audit

MLFTC students are permitted to audit any course that is not part of the professional pathways curriculum. Additional university fees are assigned to courses when the audit option is chosen.

### Course prerequisites

Enrollment in upper-division professional pathways coursework requires approval from MLFTC. Students should review current course descriptions for course prerequisites.

### Pass/fail

A “Y” (satisfactory) grade is assigned to a passed course and an “E” grade is assigned to a failed course. Only the “E” grade is computed in the ASU cumulative GPA.

### Transfer

Students may transfer a maximum of 64 credit hours from two-year institutions. There is no limit to the number of credits transferred from four-year institutions. Students interested in substituting previous teacher preparation courses for current professional pathway MLFTC courses must submit the petition for adjustment of requirements to the Office of Student Services at their chosen campuses.

Any transfer student who is interested in starting an initial teacher certification pathway must submit an online form, have a cumulative GPA of 2.50, have completed 60 credit hours, and fulfill specific course requirements as outlined by each education major. Students who complete an AA program in elementary education or an Arizona community college MyPath2ASU™ meet the requirements for progression into the professional pathway.

### Withdrawal

Students should review the Mary Lou Fulton Teachers College undergraduate withdrawal policy [30] and the current university withdrawal procedures [31]. It is each student’s responsibility to withdraw from courses. Students are not automatically withdrawn for nonattendance.

## Degree requirements

Students who begin at ASU as first-year students follow the major maps for their chosen programs. The major map is an outline that students follow each term for enrollment. Students who have attended only ASU have their progress reviewed at the completion of each term to ensure that they are on track for graduation. Transfer students must attend an advising session in which they will learn the degree requirements as well as minimum eligibility requirements for degree completion. Students must fulfill clinical experience, student teaching or service learning requirements as part of degree completion. Mary Lou Fulton Teachers College is committed to providing support and resources for students needing academic or professional growth assistance.

To be in good standing in Mary Lou Fulton Teachers College, undergraduate students in teacher preparation programs must maintain an overall cumulative GPA of 2.25 or higher. Students enrolled in educational studies must maintain an ASU GPA of 2.00 or higher. Students are evaluated in accordance with the Mary Lou Fulton Teachers College satisfactory academic progress and professional conduct policy. Students in the professional pathway are formally

reviewed regarding their academic progress to determine retention and continuation status. Students with records that contain indicators of professional or academic concerns will be placed on probation, suspension or permanently removed (dismissed) from their programs.

Students who exhibit unprofessional behaviors or attributes are required to meet with a Mary Lou Fulton Teachers College administrator to develop a professional improvement plan, which outlines the expectations for continuing in the program. Such students are placed on probation or suspension and are subject to the disqualification policy of Mary Lou Fulton Teachers College. Students should refer to the satisfactory academic progress and professional conduct policy for additional information.

### Concurrent degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.

Requirements for students who wish to pursue a concurrent degree:

- Students must be in good academic standing, maintaining a minimum cumulative GPA of 2.25 or higher. (Exception: Students enrolled in the educational studies degree program must maintain a minimum cumulative GPA of 2.00.)
- Students must inform their MLFTC advisor of each degree being pursued as a concurrent degree. This information is important to the department's record-keeping, and it may affect recommended courses.
- If one of the degrees is offered through another college, the student must contact that college and complete its required procedures for requesting and pursuing concurrent degrees.
- Students must earn at least 30 unique credit hours applied toward the requirements for each major's degree.

## Reinstatement/readmission

Applications for reinstatement and readmission are reviewed by the director of undergraduate student services on a case-by-case basis.

## Other special requirements

### Additional requirements for teacher certification candidates

#### Fingerprint clearance card

Per Arizona state statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted in order to work in the classroom are required to have an identity-verified fingerprint clearance card (Google doc) [32]. All students enrolling in programs leading to certification must participate in professional experiences. Students participating in a professional experience must have proof of a fingerprint clearance card on file in the Office of Professional Experiences before clinical placement hours begin.

#### Intent to progress

Non-MLFTC progression students [33] who wish to start their upper-division courses must meet with their college advisor. Students will receive an email from an MLFTC staff member to complete an acknowledgement form.
For programs leading to certification, students must meet teacher certification progression requirements [30] to progress into the upper-division courses.

# Graduate policies

The college offers master's degree and doctoral programs as well as graduate certificates. Some programs also allow students to obtain state or professional certification.

After admission to a degree program, specific advice related to degree requirements and activities is provided by academic advisors in the Office of Student Services. Once admitted, all graduate students are required to submit a plan of study. The plan of study functions as a contract between the student, the academic unit and the Graduate College. The interactive plan of study contains certain degree requirements such as coursework, a committee and a culminating experience. Students can contact an academic advisor for assistance completing the interactive plan of study through the contact information found on My ASU.

# Other graduate policies

## Continuous enrollment and re-entry for graduate programs

Once admitted to a graduate program, the student must be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. If a plan of study must be interrupted for one semester, the student may apply to the Graduate College for a leave of absence not to exceed one semester. An application for leave status, endorsed by the division director or designee, must be approved by the Graduate College; for a doctoral student, the leave must also be endorsed by the members of the student's supervisory committee. This request must be filed and approved prior to the semester of anticipated absence. A student on leave is not required to pay fees and is not permitted to place any demands on university faculty or use any university facilities. Students may be continuously enrolled by registering for one credit hour of continuing registration; students should contact an academic advisor for more details. A student who interrupts a program without obtaining an approved leave of absence may be removed from the degree program by the Graduate College.

## Concurrent degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.

For concurrent master’s degrees, concurrent master’s and doctoral degrees and concurrent doctoral degrees, students must follow the Graduate College policies [34].

## Graduation requirements

A candidate for a graduate degree must satisfactorily complete the culminating experience requirements required by the program. Information is available for each program from the Office of Student Services.

### Master's degree programs

In addition to the Graduate College policy and procedures that govern graduate programs at ASU and which are provided elsewhere in this catalog, the policies specific to each master’s degree program are provided to students at the time of enrollment in the program. Students are limited to 15 credit hours per semester. Online students are limited to nine credit hours per semester. Exceptions must be approved by the division director. Students who enroll in additional hours may be administratively withdrawn.

### Doctoral programs

In addition to the Graduate College policies and procedures that govern doctoral programs at ASU and which are provided elsewhere in this catalog, the satisfactory academic progress and professional conduct policies apply. Additional information specific to a degree program may be provided when students first register for the program.

### PhD and EdD satisfactory academic progress and professional conduct policy

Students in doctoral programs may be placed on academic probation for reasons stated in the Satisfactory Academic Progress and Professional Conduct Policy. These include but are not limited to:

- failure to meet the academic requirements of the Graduate College, to have a GPA of 3.00 or to meet the academic requirements of the particular program as stated in the program handbook
- unsatisfactory progress as noted on annual review form by mentor or failure to meet for annual review
- failure to meet the standards of professional conduct or violations of the student conduct code, which may result in academic probation, or, for egregious violations, immediate recommendation to the Graduate College for dismissal

In addition to minimum academic requirements and conduct requirements, a student must maintain progress to degree completion. A student can be recommended to the Graduate College for dismissal for failure to meet the Graduate College policies.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies.

## Additional requirements

### Fingerprint clearance card

Per Arizona state statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity-verified fingerprint clearance card. All students enrolling in programs leading to certification must participate in clinical experiences and student or apprentice teaching. Students participating in clinical experiences must have proof of a fingerprint clearance card on file in the Office of Professional Experiences before field placement hours begin.

**Source URL:** https://catalog.asu.edu/policies/mlftc

**Links:**
[1] https://education.asu.edu/
[2] https://provost.asu.edu/academic-integrity/policy
[3] https://provost.asu.edu/academic-integrity/officers
[4] https://www.asu.edu/aad/manuals/acd/acd401.html
[5] mailto:titleixcoordinator@asu.edu
[6] https://www.asu.edu/reportit/
[7] http://students.asu.edu/srr/code
[8] https://provost.asu.edu/academic-integrity/policy
[9] https://graduate.asu.edu/current-students/policies-forms-and-deadlines
[10] http://graduate.asu.edu/
[11] https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals
[12] https://pi.education.asu.edu/how-pi-works/
[13] https://pi.education.asu.edu/asset/civility/
[14] https://pi.education.asu.edu/asset/collaboration/
[15] https://pi.education.asu.edu/asset/critical-thinking/
[16] https://pi.education.asu.edu/asset/fairness/
[17] https://pi.education.asu.edu/asset/honesty/
[18] https://pi.education.asu.edu/asset/humility/
[19] https://pi.education.asu.edu/asset/inclusivity/
[20] https://pi.education.asu.edu/asset/perspective-taking/
[21] https://pi.education.asu.edu/asset/reflection/
[22] https://pi.education.asu.edu/asset/truth-seeking/
[23] https://asuacademicaffairs-advocate.symplicity.com/care_report/index.php/pid603561
[24] https://students.asu.edu/forms/incomplete-grade-request
[25] https://students.asu.edu/academic-calendar
[26] https://education.asu.edu/sites/default/files/2022-11/Teachers_College_Grade_Appeal_Policy_and_Process_11-15-22.pdf
[27] http://catalog.asu.edu/appeal
[28] https://eoss.asu.edu/dos/srr/codeofconduct
[29] https://education.asu.edu/student-life/undergraduate-student-services
[30] https://education.asu.edu/student-life/student-forms-policies
[31] https://students.asu.edu/drop-add
[32] https://docs.google.com/document/d/1NUJtBEfHdUkWjqxbKm4g5IIIt-06gCe8L_wuUG57nR0/edit
[33] https://education.asu.edu/non-mlftc-progression-requirements
[34] https://graduate.asu.edu/policies-procedures

# University College policies

University College is spearheading the evolutionary next step in higher education. The college seeks to end achievement disparities for learners of all backgrounds through designing personalized learning experiences, preparing learners for a future of integrated working and learning, and supporting learners at scale using automation, analytics and intelligent systems.

## Academic integrity

University College values academic honesty in academia as the basis of shaping students who will become productive workers and contributors to society. University College is committed to supporting student success by supporting accountability. The college uses every opportunity, including academic violations, as learning opportunities for students to gain experience, resources and personal growth.

Academic dishonesty falls into five broad areas that include:

- cheating on an academic evaluation or assignment
- plagiarizing
- academic deceit such as fabricating data or information
- aiding academic integrity policy violations and inappropriately collaborating
- falsifying academic records

It is important that students understand what constitutes a violation of academic integrity; they should review the full ASU Academic Integrity Policy [1].

**Why is it important?**
Academic integrity violations have a negative impact on students, the ASU community, and students' future career aspirations.

Academic dishonesty undermines a student's ability to demonstrate their academic excellence. Furthermore, academic dishonesty does not allow instructors the opportunity to develop a student's educational aptitude to prepare them for a career, and it diminishes the integrity of the ASU academic community.

**Who can report academic dishonesty?**
Anyone with a good faith basis for believing that a student has engaged in academic dishonesty may report the alleged violation [2] to the instructor or academic integrity officer for the college or school in which the academic dishonesty occurred.

**Student resources**
If students ever find themselves in a situation where they are unsure as to whether an issue could be construed as academic dishonesty, they should use the academic integrity student resources [3]. Sun Devils are champions of integrity and making the right decision.

Students with questions about ASU’s Academic Integrity Policy or alleged violations should contact University College’s academic integrity officer Bruce Bailey [4] with any questions.

## Notice of nondiscrimination

ASU prohibits all forms of discrimination, harassment and retaliation. Students should review ASU’s policy ACD 401: Prohibition Against Discrimination, Harassment and Retaliation [5].

Title IX protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. As required by Title IX, ASU does not discriminate on the basis of sex in the education programs or activities that we operate, including in admission and employment. Inquiries concerning the application of Title IX may be referred to the ASU Title IX coordinator or to the U.S. Department of Education Office for Civil Rights or to both. For more information, students should email titleixcoordinator@asu.edu [6], call 480-965-0696, or visit the office located at 1120 S. Cady Mall, INTDSB 284. For information on making a report, students should reference the Report It [7] website.

# Undergraduate policies

## Academic standing

To be considered in academic good standing in University College, students must achieve a cumulative GPA of 2.00 or higher. Academic standing is determined twice annually --- in December after fall semester grades have posted, and in May after spring grades have posted. Grades earned during summer sessions affect GPA but are not considered for academic standing purposes until the next review period.

### Academic warning

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester (fall or spring) is placed on university academic warning.

### Academic probation

If a student's minimum cumulative GPA first falls below 2.00 in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

**What happens to a student on academic warning or academic probation?**
A student on academic warning or academic probation is considered in conditional good standing and is permitted to enroll.

All University College students who are not in good standing are required to meet with an academic advisor and complete an academic success agreement. During the appointment, the advisor will review the prior semester, discuss the student's academic standing status, possibly make adjustments to the course schedule, and help the student explore strategies to return to good standing.

Improved performance will help a student earn either a good standing or continued probation status. Students who achieve a cumulative GPA above 2.00 are considered in good standing. Students who achieve a semester GPA above a 2.00 but retain a cumulative ASU GPA below 2.00 are placed on continued probation. Students who fail to achieve a semester or cumulative GPA above 2.00 are subject to disqualification from the university.

All students who receive an academic warning or are placed on academic probation for at least one semester must successfully complete the academic refresher course UNI 220 Mindset Connections as a requirement of graduation.

### Disqualification

Students who have been disqualified from ASU are not eligible to take classes at ASU during fall or spring semesters; however, enrollment in summer classes is permitted and encouraged. Students may enroll in summer classes at ASU to improve the GPA and bring the cumulative ASU GPA back into academic good standing (2.00).

Students who have had a fall or spring semester lapse in enrollment while on disqualification status will need to submit an application for readmission to ASU [8] to enroll in summer classes or be considered for a future fall or spring enrollment.

## Academic advising

All students are encouraged to seek advising from their academic success specialist (i.e., their academic advisor) prior to registration. Students must review the Academic Calendar [9] each semester for information and deadlines pertaining to enrollment including course adds, drops and withdrawals.

The ASU Academic Catalog is the governing source for all degree requirements. Students are expected to read the requirements for university General Studies [10], undergraduate graduation [11] and major degree requirements. The academic success specialist will provide guidance.

**Contact advising:** exploratory@asu.edu [12]

### Mandatory advising

The following students in University College must receive advising clearance prior to course registration:

- new students in all exploratory tracks
- new students in their first semester of attendance

- readmitted students in their first returning semester
- students on academic probation or continued probation
- students who have been disqualified
- students who are off track for graduation

Students are encouraged to use My ASU [13] to check their advising status requirements each semester before attempting any registration transactions.

## Credit and registration

### Credit overload petition

A student may take up to 18 credit hours per semester (fall or spring) and seven credit hours each summer session. Prior to submitting the request for credit overload, the student must do the following:

1. meet with their advisor
2. have a legitimate academic reason for making the request
3. have a written plan describing in detail how the demands of a heightened workload will be met
4. complete a full semester at ASU before the overload semester
5. be in good academic standing
6. not be repeating a course during the overload term
7. be a degree-seeking student
8. submit the form at least a week prior to the start of the session
9. meet the GPA requirements as outlined on the Credit Overload Petition form [14]

### Class overrides

Class overrides will not be considered unless there are specific extenuating circumstances (e.g., if the prerequisite has been completed or will be completed at another institution prior to the start of the class in question). Class override requests will not be considered after the add period has ended for that session (A, B or C).

The student must complete the Class Prerequisites Override form [14].

### Space overrides

Under certain circumstances, the college may approve a student to enroll in a class that has filled the number of allotted seats. Space overrides will not be considered if the room has reached maximum fire code occupancy or if other sections of the same class are available at another time. Override requests will not be considered after the add period has ended for that session (A, B or C).

The student must complete the Space Override form [14].

### Transfer credit and appeals

ASU will accept transfer credit [15] for traditional coursework a student has successfully completed at regionally accredited institutions of higher education as documented on an official transcript.

When a student transfers to ASU from another college or university, the following general standards for transfer credits apply:

- ASU accepts college-level (not remedial) courses in which the student has earned a grade of "C-" (scale is 4.00="A") or better from regionally accredited colleges and universities.
- A maximum of 64 credit hours will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college, with the exception of some special programs.
- Acceptable academic credits earned at other institutions that are based on a different unit of credit than the one prescribed by the Arizona Board of Regents (PDF) [16] are subject to conversion before being transferred to ASU. All ASU students must meet graduation requirements (university, college, major and General Studies requirements) in order to earn a bachelor's degree.
- Grades and honor points earned at other colleges and universities are considered for admission, but the ASU cumulative grade point average is based solely upon coursework taken at ASU.

**University College standards**

- Requests for General Studies credit may be approved for transfer courses or for ASU omnibus classes (e.g., 294, 394 or 494 classes), which are not reviewed by ASU's General Studies committee, and thus, do not carry preapproved General Studies designations.
- Requests for established ASU courses are discouraged; typically, established ASU courses that are not already designated as General Studies courses either do not meet the criteria or the department has decided not to submit them for General Studies designation. Sometimes an instructor will insist that their class meets General Studies criteria, but if the university General Studies committee has decided otherwise, the petition will not be approved.

**Types of transfer credits NOT accepted by ASU:**

- courses for which the student earned a final grade that was lower than "C-"
- credit awarded by postsecondary schools in the United States that lack candidate status or are not accredited by a regional accrediting association
- credit awarded by postsecondary schools for life experience
- credit awarded by postsecondary schools for courses taken at noncollegiate institutions (e.g., governmental agencies, corporations, industrial firms, etc.)
- credit awarded by postsecondary schools for noncredit courses, workshops and seminars offered by other postsecondary schools as part of continuing education programs

A student wishing to transfer to ASU who feels they have been unjustly denied credit for transfer courses may appeal by completing the Transfer Credits and Other Petitions form [14].

## Repeat/replace policy

Students wishing to repeat courses and possibly replace prior course grades must follow the Repeat/Replace Policy [17] stated in university policy SSM 203-06 [18] regarding the number of credit hours that can be repeated and the types of courses that are eligible for a grade replacement.

All prerequisites for the course must be met with the required grades before submitting the petition to enroll in a course for the third time or more (even if registration has previously been permitted without them). Students may not repeat a course for a third time or more if they have passed the course with a "C" grade or higher. Approval to retake a course does not imply that enrollment in a class after the add deadline is permitted or that the student may register for a class section that is already full.

## Pass/fail grade options

A grade of "Y" (satisfactory) contributes to a student's earned credit hours but does not affect the GPA.

The pass/fail grade option ("P"/"E") may be used under the following conditions:

- Approval has been granted from the instructor and college offering the course.
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the add period.
- A maximum of 12 credit hours taken for pass/fail may be counted toward graduation.

Students may not enroll under the pass/fail option in the following courses:

- first-year composition requirements
- General Studies requirements

## Late registration

In order to add, drop or swap sections of the same course after the official add and drop deadlines, the course must be open and course prerequisites must be met or overrides must have been authorized and posted. If this criteria is met, the student should do the following:

1. complete the Enrollment Change Request form [14]
2. include instructor's email approval, which includes course information
3. submit an enrollment change request form to the department up to three business days after the late add deadline to register for a course

Requests received after the three business day deadline will not be approved unless the instructor provides confirmation that the student's grade will not be impacted.

Students should allow at least 24 hours for University College to process the request. If approved, University College will forward the request to the Registrar's Office for processing.

## Withdrawals

### Course withdrawals

Requests to drop a course after the drop deadline are not considered unless there are extenuating circumstances beyond the student's control. In these cases, the student will need to attach an email outlining the extenuating circumstances to the Enrollment Change Request form [14]. Students may initiate a late withdrawal up to three business days after the deadline by emailing ucacademicservices@asu.edu [19]. Backdated drops will need department approval.

### Medical/compassionate withdrawals

**What is a medical or compassionate withdrawal?**
Students who experience a serious illness, injury or other significant personal situation that prevents them from continuing classes may request a medical/compassionate withdrawal from the college of their major.

Medical/compassionate withdrawals require relevant and detailed supporting documentation for consideration. Approval is at the discretion of the college, and there is no guarantee that a request will be approved.

Students may view the full ASU medical/compassionate withdrawal policy [20].

**Steps for submitting a medical/compassionate withdrawal:**

1. meet with an academic advisor to explore the withdrawal procedures
2. work with faculty for alternative class arrangements or incomplete grades
3. consult with a student financial assistance [21] counselor to determine financial obligation
4. review guidelines of required documentation sections below
5. submit the Medical/Compassional Withdrawal request form [14]

**Required documentation for medical withdrawal**
Students must obtain an official letter from a health care provider on health care provider's letterhead stationery that details:

1. the circumstances or challenges of the student
2. the date of onset of illness
3. dates the student was under professional care
4. general nature of the medical condition and why or how it prevented the student from completing the coursework or attending class
5. the date of anticipated return to school
6. the last date the student was able to attend class

Students making a request for some, but not all, courses in a semester must provide a statement as to why they were successful in some courses but not others.

**Required documentation for a compassionate withdrawal**
The official documentation must include a statement from the student explaining the circumstances or challenges they are facing. Documentation should corroborate the request either by strengthening the request or providing a timeline for events.

Example: If the request involves a death, attach a copy of the death certificate, airline itinerary and receipt, and funeral pamphlet showing dates.

**Medical/compassionate withdrawal for international students**
International students on an F1/J1 visa must consult with the International Students and Scholars Center [22] to discuss the serious immigration consequences that may result from a withdrawal from ASU. Students on an F-1/J-1 visa must provide medical documentation from a U.S. licensed medical doctor, doctor of osteopathy or licensed clinical psychologist.

### Complete session withdrawal

Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, beginning the first day of the fall and spring semesters, undergraduate students are required to contact the college or school of their major to facilitate the withdrawal process. Students should review the Academic Calendar [9] for complete session withdrawal deadlines.

To complete a full session withdrawal, students must complete the complete session withdrawal procedures [23]. Note: International students must contact the International Students and Scholars Center regarding intent to seek a complete session withdrawal by sending an email to issc@asu.edu [24]. Students will be notified of the status of the submission. If approval is granted, the completed session withdrawal will be forwarded to the ASU Registrar's Office for processing.

## Degree requirements

**Exploratory tracks**
All first-year students who choose to become an exploratory student are required to declare an exploratory track in one of four areas:

- exploratory health and life sciences [25]
- exploratory humanities, fine arts and design [26]
- exploratory math, physical sciences, engineering and technology [27]
- exploratory social and behavioral sciences [28]

Each of these tracks is designed to provide students with introductory courses in a field of choice (e.g., Introduction to Psychology, Introduction to Environmental Design), General Studies education and elective courses that reinforce student interests. Each exploratory track is composed of a three-semester major map, culminating in the declaration of a major by the completion of 45 credit hours.

All exploratory students are required to enroll in a major and career exploration class (UNI 150, 250 or 270) each semester the student remains designated as an exploratory student.

## Readmission/reinstatement

Students who have been disqualified from ASU may be reinstated to University College for a fall or spring semester if they complete either of the following:

- Raise their cumulative ASU GPA to academic good standing levels (2.00) by taking ASU summer session courses.
- Complete 12 or more transferable credit hours of ASU General Studies courses at a community college or university with no grade lower than a "C" and a GPA of 2.50 or better. Courses in which the student failed or received a "D" at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet the required 2.00 GPA to remain at ASU. Failure to do so will result in disqualification from the university. Students should meet with a University College advisor to identify their options, and develop a plan for success.

Students who have been disqualified two or more times will not be reinstated until they achieve an ASU GPA of 2.00 or better by taking summer courses.

**Quick re-entry:** Students who have had up to a seven semester absence from ASU may be eligible to return to the university via the Quick re-entry process [8]. Students should see an advisor for additional information.

**Readmission:** Students not eligible for quick re-entry must submit an application for readmission [8] for the semester for which they wish to return to ASU. This readmission will be contingent on completing the requirements stated above.

**Source URL:** https://catalog.asu.edu/policies/uc

**Links:**
[1] https://provost.asu.edu/academic-integrity/policy
[2] https://asuacademicaffairs-advocate.symplicity.com/public_report/index.php/pid674387?rep_type=1000
[3] https://provost.asu.edu/academic-integrity/resources/students
[4] mailto:bruce.d.bailey@asu.edu
[5] https://www.asu.edu/aad/manuals/acd/acd401.html
[6] mailto:titleixcoordinator@asu.edu
[7] https://www.asu.edu/reportit/
[8] https://admission.asu.edu/undergrad/readmission
[9] https://students.asu.edu/academic-calendar
[10] https://catalog.asu.edu/ug_gsr
[11] https://catalog.asu.edu/undergraduatereq

[12] mailto:exploratory@asu.edu
[13] https://webapp4.asu.edu/myasu/
[14] https://sites.google.com/asu.edu/academic-services/home
[15] https://admission.asu.edu/transfer/transferring-credits
[16] https://public.powerdms.com/ABOR/documents/1491660
[17] https://students.asu.edu/grades#repeating
[18] http://www.asu.edu/aad/manuals/ssm/ssm203-06.html
[19] mailto:ucacademicservices@asu.edu
[20] https://students.asu.edu/forms/medical-compassionate-withdrawal-request
[21] https://live-tuition-asu.ws.asu.edu/contact-resources
[22] https://issc.asu.edu/
[23] https://students.asu.edu/Session_Withdrawal/UC
[24] mailto:issc@asu.edu
[25] https://degrees.apps.asu.edu/bachelors/major/ASU00/UCHSCIEXPL/exploratory-health-and-life-sciences
[26] https://degrees.apps.asu.edu/bachelors/major/ASU00/UCHUFAEXPL/exploratory-humanities-fine-arts-and-design
[27] https://degrees.apps.asu.edu/bachelors/major/ASU00/UCEMTPEXPL/exploratory-math-physical-sciences-engineering-and-technology
[28] https://degrees.apps.asu.edu/bachelors/major/ASU00/UCSBSEXPL/exploratory-social-and-behavioral-sciences

Graduate Programs
Graduate Degrees and Certificates (Program Descriptions and Requirements)
Business, W. P. Carey School of
- Accountancy and Data Analytics, MAcc (BAACCMACC)
- Business Administration (Accountancy), PHD (BAACCTPHD)
- Business Administration (Agribusiness), PHD (BAAGRIPHD)
- Business Administration (Business Analytics), MBA (BABUSANMBA)
- Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)
- Business Administration (Finance), PHD (BAFINANPHD)
- Business Administration (Information Systems Management), MBA (BAISMMBA)
- Business Administration (Management), PHD (BAMGMTPHD)
- Business Administration (Marketing), PHD (BAMARKPHD)
- Business Administration (Supply Chain Management), PHD (BASCMPHD)
- Business Analytics, MS (BABUSANMS)
- Economics, PHD (BAECONPHD)
- Finance, MS (BAFINMS)
- Global Financial Management, DBA (BAGFMDBA)
- Global Logistics, MS (BAGLSMS)
- Information Systems Management, MS (BAINFOMS)
- Innovation and Venture Development, MS (HIIVDMS)
- Management, MS (BACMRMS)
- Management, MS (BAMCCMS)
- Real Estate (Certificate), Certificate (BAREAGRCT)
- Real Estate Development, MREDev (ARREMREDEV)
- Supply Chain Management, MS (BASCMMS)
- Supply Chain Management (certificate), Certificate (BASCMCERT)
- Supply Chain Management and Engineering, MS (BASCMEMS)
- Taxation and Data Analytics, MTax (BATAMTAX)
- W. P. Carey MBA, MBA (BACORPMBA)
- W. P. Carey MBA, MBA (BAEVEAMBA)
- W. P. Carey MBA, MBA (BAEVENMBA)
- W. P. Carey MBA, MBA (BAEXECMBA)
- W. P. Carey MBA, MBA (BAFULLMBA)
- W. P. Carey MBA, MBA (BAONLINMBA)
- W. P. Carey MBA, MBA (BASHANGMBA)

Design and the Arts, Herberger Institute for
- Architecture, MArch (ARARCMARCH)
- Architecture (Energy Performance and Climate Responsive Architecture), MS (ARENERGYMS)
- Art, MFA (HIARTMFA)
- Art (Art Education), MA (FAARTEDMA)
- Art (Art History), MA (FAARTHISMA)
- Art (Digital Technology), MFA (FADIGITMFA)
- Community-Engaged Practices in Design and the Arts (Certificate), Certificate (HISEPGRCT)
- Composition, MM (FAMCOMPMM)
- Composition (Interdisciplinary Digital Media), MM (FADIGITMM)
- Creative Enterprise and Cultural Leadership, MA (HICECLMA)
- Dance, MFA (FADANCEMFA)
- Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)
- Dance Teaching Artist Praxis (Certificate), Certificate (HIDTAPGRCT)
- Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)

Design (Experience Design), MSD (HIDEDMSD)
Design (Industrial Design), MSD (ARINDDEMSD)
Design (Interior Design), MSD (ARINTDEMSD)
Design (Visual Communication Design), MSD (ARVCDMSD)
Design, Environment and the Arts, PHD (HIDEAPHD)
Design, Environment and the Arts (Design), PHD (HIDEADSPHD)
Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)
Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)
Design, Environment and the Arts (History, Theory, and Criticism), PHD (HIDEAHTPHD)
Digital Culture, MA (HIDGCMA)
Industrial Design, MID (HIINDMID)
Innovation and Venture Development, MS (HIIVDMS)
Interior Architecture, MIA (HIIAMIA)
Landscape Architecture, MLA (ARLDEMLA)
Media Arts and Sciences, MS (HIDGCMS)
Media Arts and Sciences, PHD (FAMASPHD)
Media Arts and Sciences (Extended Reality Technologies), MS (HIDGCERTMS)
Music (Conducting), DMA (FACONDDMA)
Music (Ethnomusicology), MA (FAETHNMA)
Music (Interdisciplinary Digital Media), DMA (FAINTDDMA)
Music (Music Composition), DMA (FACOMPDMA)
Music (Music Learning and Teaching), PHD (FAMUSEDPHD)
Music (Musicology), MA (FAMHISTMA)
Music (Musicology), PHD (HIMUSMPHD)
Music (Performance), DMA (FAPERFDMA)
Music Entrepreneurship (Certificate), Certificate (HIMERTGRCT)
Music Learning and Teaching, MM (FAMUSEDMM)
Music Theory Pedagogy (Certificate), Certificate (HIMTPGRCT)
Music Therapy, MM (FAMTHERMM)
Narrative and Emerging Media, MA (CSNEMMA)
Performance (Collaborative Piano), MM (FACPIANOMM)
Performance (Conducting), MM (HIPERCOMM)
Performance (Performance Pedagogy), MM (FAPPEDMM)
Performance (Performance), MM (FAPERF3MM)
Performance (Voice, Music Theatre, Opera), MM (FAMUTPOMM)
Theatre, MA (FATHEAMA)
Theatre (Arts Entrepreneurship and Management), MFA (HITHEAEMFA)
Theatre (Directing), MFA (FADIRMFA)
Theatre (Dramatic Writing), MFA (FADRWRTMFA)
Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)
Theatre (Performance Design), MFA (FAPERDMFA)
Theatre (Performance), MFA (FAPERFMFA)
Theatre (Theatre and Performance of the Americas), PHD (FAPERAMPHD)
Theatre (Theatre for Youth and Community), MFA (FAYOUTHMFA)
Theatre (Theatre for Youth and Community), PHD (FAYOUTHPHD)
Urban Design, MUD (ARMUDMUD)
Visual Communication Design, MVCD (HIVCDMVCD)

Engineering, Ira A. Fulton Schools of
Aerospace Engineering, MS (ESAEROSPMS)
Aerospace Engineering, PHD (ESAERSPPHD)

Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAEPEETMA)
Biological Design, MS (ESBDEMS)
Biological Design, PHD (GCBDSPHD)
Biomedical Engineering, MS (ESBIOENMS)
Biomedical Engineering, PHD (ESBIOENPHD)
Chemical Engineering, MS (ESCHEMEMS)
Chemical Engineering, PHD (ESCHEMEPHD)
Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)
Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)
Computer Engineering (Computer Systems), MS (ESCENCMS)
Computer Engineering (Computer Systems), PHD (ESCENCPHD)
Computer Engineering (Electrical Engineering), MS (ESCENEMS)
Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)
Computer Science, MCS (ESCOMSCMCS)
Computer Science, MS (ESCOMSCMS)
Computer Science, PHD (ESCOMSCPHD)
Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)
Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)
Computer Science (Big Data Systems), MCS (ESCSEBDMCS)
Computer Science (Big Data Systems), MS (ESCSEBDMS)
Computer Science (Biomedical Informatics), MS (ESCSBIOIMS)
Computer Science (Cybersecurity), MCS (ESCSEIMCS)
Computer Science (Cybersecurity), MS (ESCSEIAMS)
Computer Science (Cybersecurity), PHD (ESCSEIAPHD)
Construction Engineering, MSE (ESCONEMSE)
Construction Management, PHD (ESCONPHD)
Construction Management and Technology, MS (ESCONSTMS)
Data Science, Analytics and Engineering, MS (ESDSEMS)
Data Science, Analytics and Engineering, PHD (ESDSEPHD)
Data Science, Analytics and Engineering (Bayesian Machine Learning), MS (ESDSEBMLMS)
Data Science, Analytics and Engineering (Computational Models and Data), MS (ESDSECMDMS)
Data Science, Analytics and Engineering (Computing and Decision Analytics), MS (ESDSECDAMS)
Data Science, Analytics and Engineering (Electrical Engineering), MS (ESDSEEEMS)
Data Science, Analytics and Engineering (Human Centered Applications), MS (ESDSEHCAMS)
Data Science, Analytics and Engineering (Materials Science and Engineering), MS (ESDSEMSEMS)
Data Science, Analytics and Engineering (Mechanical and Aerospace Engineering), MS (ESDSEMAEMS)
Data Science, Analytics and Engineering (Sustainable Engineering and Built Environment), MS (ESDSESEBMS)
Electrical Engineering, MS (ESEEMS)
Electrical Engineering, MSE (ESEEMSE)
Electrical Engineering, PHD (ESEEPHD)
Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)
Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)
Engineering, MEng (ESENGRMENG)
Engineering, MS (TSEGRMS)
Engineering Education Systems and Design, PHD (ESEESDPHD)
Engineering Science (Software Engineering), MSE (ESSFEMSE)
Environmental and Resource Management, MS (ESERMMS)
Environmental and Resource Management (Water Management), MS (ESERMWTMS)
Environmental Engineering, MS (ESEVEMS)
Graphic Information Technology, MS (ESGITMS)

Human Systems Engineering, MS (ECAPSYCHMS)
Human Systems Engineering, PHD (TSSMACSPHD)
Human Systems Engineering (Aviation Human Factors), MS (ESHSEAHFMS)
Human Systems Engineering (Health Systems), MS (ESHSEHSMS)
Human Systems Engineering (Intelligent Systems), MS (ESHSEISMS)
Human Systems Engineering (User Experience Research), MS (ESHSEUERMS)
Industrial Engineering, MS (ESINDENMS)
Industrial Engineering, PHD (ESINDENPHD)
Information Technology, MS (TSIFTMS)
Innovation and Venture Development, MS (HIIVDMS)
Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)
Manufacturing Engineering, MS (TSMEGRMS)
Manufacturing Engineering, PHD (ESMFGPHD)
Materials Science and Engineering, MS (ESMATEMS)
Materials Science and Engineering, PHD (ESENMATPHD)
Mechanical Engineering, MS (ESMEMS)
Mechanical Engineering, PHD (ESMEPHD)
Modern Energy Production and Sustainable Use, MS (ESMEPSUMS)
Molecular, Cellular, Tissue, and Biomaterials Engineering (Certificate), Certificate (ESMCTBGRCT)
Neural Engineering (Certificate), Certificate (ESNENGRCT)
Nuclear Power Generation (certificate), Certificate (ESNPGGRCT)
Robotics and Autonomous Systems (Artificial Intelligence), MS (ESRASAIMS)
Robotics and Autonomous Systems (Biomedical Engineering), MS (ESRASBEMS)
Robotics and Autonomous Systems (Electrical Engineering), MS (ESRASEEMS)
Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS (ESRASMAEMS)
Robotics and Autonomous Systems (Systems Engineering), MS (ESRASSEMS)
Semiconductor Processing (Certificate), Certificate (ESSCPRGRCT)
Sensor Signal and Information Processing (Certificate), Certificate (ESSSIPGRCT)
Software Engineering, MS (TSSERMS)
Sustainable Engineering, MSE (ESSUEMSE)
Systems Engineering, PHD (ESSYSPHD)
Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)
Technology (Management of Technology), MSTech (TSMRMSTECH)
User Experience, MS (ESUSEXMS)

Global Futures, College of
Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)
Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)
Applied Mathematics for the Life & Social Sciences, PHD (LAAMLPHD)
Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)
Biomimicry, MS (LABMYMS)
Biomimicry (Certificate), Certificate (LABMYGRCT)
Complex Adaptive Systems Science, PHD (GFCASPHD)
Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)
Complex Systems Science, MS (GFCMPXSSMS)
Energy and Sustainability (certificate), Certificate (SUERGSGRCT)
Environmental and Sustainability Economics (Certificate), Certificate (SUESECGRCT)
Food Policy and Sustainability Leadership (certificate), Certificate (SUFPSLGRCT)
Futures and Design, MS (GFFDMS)
Global Development and Innovation (Certificate), Certificate (FIGDIGRCT)
Global Sustainability Science, MS (SUGSUSSMS)

Global Technology and Development, MS (LSGTDMS)
Global Technology and Development (Applied International Development), MS (FIGTDAIDMS)
Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)
Innovation in Global Development, PHD (FIIGDPHD)
Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)
Public Interest Technology, MS (FIPITCHMS)
Responsible Innovation in Science, Engineering and Society (certificate), Certificate (GCRSESGRCT)
Science and Technology Policy, MSTP (LAHSDPSM)
Sustainability, MA (SUSUSTMA)
Sustainability, MS (SUSUSTMS)
Sustainability, PHD (SUSUSTPHD)
Sustainability (Certificate), Certificate (SUSUSGRCT)
Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD)
Sustainability Leadership, EMSL (SUEMSLEMSL)
Sustainability Leadership, MSL (SUSUSLMSL)
Sustainability Solutions, MSUS (SUSUSOMSUS)
Sustainable Energy, PHD (SUSUEPHD)
Sustainable Food Systems, MS (SUSUSFSMS)
Global Management, Thunderbird School of
Applied Leadership and Management, MALM (TBALMMALM)
Global Affairs (Certificate), Certificate (TBGAFGRCT)
Global Affairs and Management, MA (TBGAMMA)
Global Affairs and Management (Executive), MA (TBGAMEMA)
Global Development (Certificate), Certificate (TBGDVGRCT)
Global Finance (Certificate), Certificate (TBGFINGRCT)
Global Leadership and Management, DPP (TBGLMDPP)
Global Leadership and Strategy, MGLS (TBGLSMGLS)
Global Leadership and Strategy, MGLS (TBGLSXMGLS)
Global Management, MGM (TBTGMMGM)
Global Management, MGM (TBTGMXMGM)
Global Management (Creative Industries and Design Thinking), MGM (TBGMCIDMGM)
Global Management (Data Science), MGM (TBGMDSCMGM)
Global Management (Digital Audience Strategy), MGM (TBGMDASMGM)
Global Management (Global Affairs), MGM (TBGMGAMGM)
Global Management (Global Business), MGM (TBGMGBMGM)
Global Management (Global Development and Innovation), MGM (TBGMGDIMGM)
Global Management (Global Digital Transformation), MGM (TBGMGDTMGM)
Global Management (Global Entrepreneurship), MGM (TBGMGEMGM)
Global Management (Global Health Care Delivery), MGM (TBGMGHDMGM)
Global Management (Global Health Care Innovation), MGM (TBTGMHCMGM)
Global Management (Global Legal Studies), MGM (TBGMGLSMGM)
Global Management (Integrated Health Care), MGM (TBGMIHCMGM)
Global Management (Nonprofit Leadership and Management ), MGM (TBGMNLMGM)
Global Management (Public Administration), MGM (TBGMPAMGM)
Global Management (Public Policy), MGM (TBGMPPMGM)
Global Management (Space Leadership, Business and Policy), MGM (TBGMSBPMGM)
Global Management (Sustainability Solutions), MGM (TBGMSSMGM)
Global Management (Sustainable Tourism), MGM (TBGMSTMGM)
Global Management, Entrepreneurship and Innovation (Certificate), Certificate (TBTGMGRCT)
Global Marketing (Certificate), Certificate (TBGMKTGRCT)

Global Trade and Commerce (Certificate), Certificate (TBGTCMGRCT)
Leadership and Management, MLM (TBLDMGMLM)
Leadership and Management (Global Creative Industries), MLM (TBLDMGCMLM)
Health Solutions, College of
Audiology, AuD (LAAUDAUDD)
Auditory and Language Neuroscience, MS (NHALNEUMS)
Behavioral Health, DBH (LSBEVHEDBH)
Behavioral Health (Clinical), DBH (NHBVHCDBH)
Behavioral Health (Management), DBH (NHBVHMDBH)
Biomedical Diagnostics, MS (NHBMDMS)
Biomedical Informatics, MS (ESBIOINFMS)
Biomedical Informatics, PHD (ESBMIPHD)
Clinical Exercise Physiology, MS (NHCEPMS)
Communication Disorders, MS (LACOMDISMS)
Communication Disorders in Multilingual/Multicultural Populations (certificate), Certificate (NHCDMPGRCT)
Exercise and Nutritional Sciences, PHD (ECNUTRIPHD)
Genetic Counseling, MS (NHGCOMS)
Health Informatics, MAS (GCHLHINMAS)
Integrated Behavioral Health - Clinical (Certificate), Certificate (NHIBHCGRCT)
Integrated Behavioral Health - Management (Certificate), Certificate (NHIBHMGRCT)
Integrated Health Care, MIHC (NHIHCMIHC)
International Health Management, MIHM (NHIHMIHM)
Medical Nutrition, MS (NHMNTRMS)
Medical Nutrition (Certificate), Certificate (NHMNTRGRCT)
Nutritional Science, MS (ECHNUTMS)
Nutritional Science (Dietetics), MS (ECNTRDMS)
Obesity Prevention and Management, MS (NHOBSMS)
Physical Activity and Health, MS (ECEXERMS)
Population Health, MS (NHPOPHLMS)
Population Health, PHD (NHPOPHLPHD)
Science of Health Care Delivery, MS (NHSHCDMS)
Science of Health Care Delivery (Certificate), Certificate (NHHCDGRCT)
Speech and Hearing Science, PHD (LAHEARPHD)
Speech and Hearing Science (Auditory and Language Neuroscience), PHD (NHSHSALPHD)
Speech and Hearing Science (Translational Genetics of Communication Abilities), PHD (NHSHSTGPHD)
Strength and Conditioning, MS (NHSTRCDMS)
Integrative Sciences and Arts, College of
Applied Biological Sciences, MS (TSAPBIOSMS)
Counseling, MC (EDCOUNMC)
Counseling (School Counseling), MC (LSCOUNSCMC)
Counseling Psychology, PHD (EDCPSYPHD)
Integrative Social Science, MS (LSISSMS)
Liberal Studies, MLSt (LAMLSMLS)
Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)
Narrative Studies, MA (LSNRSMA)
Organizational Leadership, MS (LSORGLMS)
Project Management, MPM (LSPMGMPM)
Technical Communication, MS (LSTCCMMS)
Technical Communication (certificate), Certificate (LSTECGRCT)
User Experience, MS (ESUSEXMS)

Interdisciplinary Arts and Sciences, New College of
- Biological Data Science, MS (ASBDSMS)
- Biological Data Science (Certificate), Certificate (ASBDSGRCT)
- Communication Studies, MA (ASCOMSTMA)
- English, MA (ASENGLMA)
- Forensic Psychology, MS (ASFPSYMS)
- Forensic Science, PSM (ASFRSCIPSM)
- Interdisciplinary Studies, MA (ASINTERMA)
- Interdisciplinary Studies (Interdisciplinary Arts and Performance), MA (ASIDSIPMA)
- Law and Psychology, PHD (ASLPSYPHD)
- Psychology, MS (ASPGSMS)
- Psychology (Positive Psychology), MS (ASPGSPPMS)
- Social Justice and Human Rights, MA (ASJHRMA)
- Social Technologies, MA (ASSTCMA)

Journalism and Mass Communication, Walter Cronkite School of
- Digital Audience Strategy, MS (CSDASMS)
- Digital Audiences (certificate), Certificate (CSDASGRCT)
- Investigative Journalism, MA (CSINVJOUMA)
- Journalism and Mass Communication, PHD (CSJMCPHD)
- Mass Communication, MMC (CSMCOMMMC)
- Narrative and Emerging Media, MA (CSNEMMA)
- Sports Journalism, MA (CSSPJMA)
- Strategic Communication, MA (CSSTRCOMMA)

Law, Sandra Day O'Connor College of
- Biotechnology and Genomics, LL.M. (LWGENOMLLM)
- Health Law and Policy (Certificate), Certificate (LWHLPGRCT)
- Human Resources and Employment Law, MHREL (LWHREMHREL)
- Indian Law (certificate), Certificate (LWLAWGRCI)
- Juris Doctor of Law, JD (LWJDJD)
- Law and Sustainability (Certificate), Certificate (LWLSUSGRCT)
- Law, Science, & Technology (certificate), Certificate (LWLAWSTCE)
- Laws, LL.M. (LAWLAWSLLM)
- Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)
- Legal Studies, MLS (LWLGSMLEGS)
- Sports Law and Business, MSLB (LWSLBMSLB)
- Trial Advocacy (Certificate), Certificate (LWTAGRCT)
- Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)

Liberal Arts and Sciences, The College of
- Actuarial Science, MS (LAACTMS)
- Addiction and Substance-Use Related Disorders (certificate), Certificate (LAASRDGRCT)
- Addiction Psychology, MS (LAADPSYMS)
- African Studies (certificate), Certificate (LAAFRICACE)
- American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)
- American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)
- American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)
- American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)
- American Studies, MA (LAAMSTMA)
- American Studies (Certificate), Certificate (LAAMSGRCT)
- Animal Behavior, PHD (LAANBPHD)
- Anthropology, PHD (LAANTHRPHD)

Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)
Anthropology (Urbanism), PHD (LAURBPHD)
Applied Behavior Analysis, MS (LAAPBAMS)
Applied Linguistics, PHD (EDAPLPHD)
Applied Mathematics, PHD (LAAPMPHD)
Applied Prevention Science (Certificate), Certificate (LAAPSGRCT)
Asian Languages and Civilizations (Chinese), MA (LACHINAMA)
Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)
Asian Studies (certificate), Certificate (LAASIANCE)
Astrophysics, PHD (LAASTPHPHD)
Astrophysics and Astronomy, MS (LAASTPHMS)
Atmospheric Science (certificate), Certificate (LAATMOSCE)
Biochemistry, MS (LABIOCHMS)
Biochemistry, PHD (LABIOCHPHD)
Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)
Biology, MS (LABIOMS)
Biology, PHD (LABIOPHD)
Biology (Biology and Society), MS (LABIOSMS)
Biology (Biology and Society), PHD (LABIOSPHD)
Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)
Chemistry, MS (LACHEMMS)
Chemistry, PHD (LACHEMPHD)
Classical Liberal Education and Leadership, MA (LACLEDLMA)
Communication, MA (LACOMMOMA)
Communication, PHD (LACOMMOPHD)
Comparative Culture and Language, PHD (LAILCPHD)
Computational Life Sciences, MS (LACLSMS)
Computational Life Sciences (Certificate), Certificate (LACMLSGRCT)
Computer-Assisted Language Learning (Certificate), Certificate (LACALLGRCT)
Creative Writing, MFA (LACWRITMFA)
Critical Theory (certificate), Certificate (LACRTGRCT)
Digital Humanities (Certificate), Certificate (LACDHGRCT)
Disability Studies (Certificate), Certificate (LADISGRCT)
East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)
English, MA (LAENGLMA)
English (English Education), PHD (LAENEDPHD)
English (Literature), PHD (LAENLITPHD)
English (Writing, Rhetorics, and Literacies), PHD (LAENRHTPHD)
English Education, MA (LAENEDMA)
Environmental Communication and Leadership (Certificate), Certificate (LAECLGRCT)
Environmental Life Sciences, PHD (LAELSPHD)
Environmental Social Science, PHD (LAESSPHD)
Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)
Environmental Social Science (Urbanism), PHD (LAESSURPHD)
Evolutionary Biology, PHD (LAEVOPHD)
Evolutionary Medicine (Certificate), Certificate (LAEVMDGRCT)
Exploration Systems Design, MS (LAESDMS)
Exploration Systems Design, PHD (LAESDPHD)
Exploration Systems Design (Instrumentation), MS (LAESDIMS)
Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)

Exploration Systems Design (Sensor Networks), MS (LAESDSNMS)
Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)
Exploration Systems Design (Systems Engineering), MS (LAESDSEMS)
Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)
Family and Human Development, MS (LAFAMHDMS)
Family and Human Development, PHD (LAFAMSCPHD)
Film and Media Studies, MAS (LAAMPCMAS)
French (Comparative Literature), MA (LAFRECLMA)
French (Linguistics), MA (LAFRELINMA)
French (Literature), MA (LAFRELITMA)
Gender Studies, PHD (LAGSTPHD)
Gender Studies (certificate), Certificate (LAWSTGRCT)
Gender, Women and Sexuality Studies, MA (LAWSTMA)
Geographic Education, MAS (LAGEOEDMAS)
Geographic Information Science, PHD (LAGISPHD)
Geographic Information Science (certificate), Certificate (LAGEOGISCE)
Geographic Information Systems, MAS (LAGISMAS)
Geography, MA (LAGEOGMA)
Geography, PHD (LAGEOGPHD)
Geological Sciences, MS (LAGEOSCMS)
Geological Sciences, PHD (LAGEOSCPHD)
German, MA (LAGERMMA)
Global Health, MA (LASSHMA)
Global Health, MS (LASSHMS)
Global Health, PHD (LASSHPHD)
Global Security, MA (LAGSCMA)
Global Security (Cybersecurity), MA (LAGSCSECMA)
Global Security and Competitive Statecraft (Certificate), Certificate (LAGSCSGRCT)
History, MA (LAHISTMA)
History, PHD (LAHISTPHD)
History and Philosophy of Science, PHD (LAHPSCIPHD)
Immigration Studies (certificate), Certificate (LAIMMSTUCE)
Indigenous Education, MA (LAIEDMA)
Infant Family Practice, MAS (LACDEMAS)
International Affairs and Leadership, MA (LAIALMA)
Justice Studies, MS (LAJUSSTMS)
Justice Studies, PHD (LAJUSSTPHD)
Language Teaching, MA (LALANTCHMA)
Linguistics (certificate), Certificate (LALINGUICE)
Linguistics and Applied Linguistics, MA (LALINMA)
Linguistics and Applied Linguistics, PHD (LALINPHD)
Marriage and Family Therapy, MAS (LAMFTMAS)
Mathematics, MA (LAMATHMA)
Mathematics, PHD (LAMATHPHD)
Mathematics Education, PHD (LAMTEPHD)
Medieval Studies (certificate), Certificate (LAMEDSTCE)
Microbiology, MS (LAMICROMS)
Microbiology, PHD (LAMICROPHD)
Molecular and Cellular Biology, MS (LACELLMS)
Molecular and Cellular Biology, PHD (LACELLPHD)

Museum Studies, MA (LAMUSSTMA)
Museum Studies (certificate), Certificate (LAMUSEUMCE)
Nanoscience, PSM (LANANPSM)
Natural Science (Earth and Space Sciences), MNS (LANATSCIMN)
Natural Science (Physics), MNS (LAPHYSMNS)
Neuroscience, PHD (GCBMENPHD)
Philosophy, MA (LAPHILMA)
Philosophy, PHD (LAPHILPHD)
Physics, MS (LAPHYSIMS)
Physics, PHD (LAPHYSIPHD)
Plant Biology and Conservation, MS (LAPLBIOMS)
Political Psychology, MA (LAPPSMA)
Political Science, MA (LAPOLSCMA)
Political Science, PHD (LAPOLSCPHD)
Psychology, PHD (LAPSYCHPHD)
Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)
Religious Studies, MA (LARELIGMA)
Religious Studies, PHD (LARELIGPHD)
Renaissance Studies (certificate), Certificate (LARENAISCE)
Scientific Teaching in Higher Education (certificate), Certificate (LASTHEGRCT)
Sexuality Studies (Certificate), Certificate (LASXSGRCT)
Social and Cultural Pedagogy, MA (LASCPMA)
Social Science Research Methods (Certificate), Certificate (LASSRMGRCT)
Social Transformation Certificate, Certificate (LASOTGRCT)
Socio-Economic Justice (certificate), Certificate (LAECJUGRCT)
Sociology, MA (LASOCMA)
Sociology, PHD (LASOCPHD)
Spanish, MA (LASPANMA)
Spanish, PHD (LASPANPHD)
Spanish Language Pedagogy (certificate), Certificate (LASPAPGRCT)
Spanish Linguistics, PHD (LASPALIPHD)
Statistics, MS (GCSTATMS)
Statistics, PHD (LASTPPHD)
Statistics and Data Science (Graduate Certificate) (Certificate), Certificate (GCSTATCE)
Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)
Transborder Studies, MAS (LATCLMAS)
Transborder Studies, PHD (LATCLPHD)
Transdisciplinary Transportation Studies (certificate), Certificate (GCTRANSCE)
Translation Studies (Certificate), Certificate (LALTSGRCT)
Urban and Environmental Planning, MUEP (ARURBMUEP)
Urban Planning, PHD (ARPUPPHD)
World War II Studies, MA (LAWWSMA)

Nursing and Health Innovation, Edson College of

Acute Care Pediatric Nurse Practitioner (certificate), Certificate (NUACPNGRCT)
Adult Gerontology Nurse Practitioner (Certificate), Certificate (NUAGNPGRCT)
Advanced Nursing Practice, DNP (NUANPDNP)
Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP (NUANPACDNP)
Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)
Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)
Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)

Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)
Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNDNP)
Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)
Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP (NUANPWHDNP)
Aging, MS (LAALDMS)
Clinical Research Management, MS (NUCRMMS)
Clinical Research Management (certificate), Certificate (NUHCRGRCC)
Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)
Emergency Nurse Practitioner (Certificate), Certificate (NUEMNPGRCT)
Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)
Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)
Food Safety and Protection (certificate), Certificate (NUFDSPGRCT)
Health Care Innovation, Certificate (NUHCINGRCT)
Health Care Simulation, MS (NUHCSMS)
Healthcare Innovation, MHI (NUHCINNMHI)
Innovation Leadership, Certificate (NUINLSGRCT)
International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)
Interprofessional Healthy Aging (certificate), Certificate (NUGNCERT)
Nurse Education in Academic and Practice Settings (certificate), Certificate (NUNURSEDCE)
Nursing, MS (NUNURDTMS)
Nursing (Entry to Nursing Practice), MS (NUNRENPRMS)
Nursing (Nursing Education), MS (NUNURSEDMS)
Nursing and Healthcare Innovation, PHD (NUNHIPHD)
Pediatric Nurse Practitioner (Certificate), Certificate (NUPDNPGRCT)
Regulatory Science, MS (NURSHSMS)
Regulatory Science (Food Safety), MS (NURGSCFSMS)
Women's Health Nurse Practitioner (Certificate), Certificate (NUWHNPGRCT)

Public Service and Community Solutions, Watts College of

Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)
Community Resources and Development, MS (PPRECDTMS)
Community Resources and Development, PHD (PPCRDPHD)
Community Resources and Development (Nonprofits and NGOs), MS (PPCRDNPMS)
Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)
Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)
Community Resources and Development (Tourism), MS (PPCRDTMMS)
Corrections Leadership and Management (Certificate), Certificate (PPCMGGRCT)
Crime Analysis, MS (PPCRIMANMS)
Crime Analysis (Certificate), Certificate (PPCRMAGRCT)
Criminal Justice, MA (PPCRIMJMA)
Criminal Sentencing and Sentencing Advocacy (Certificate), Certificate (PPCSAGRCT)
Criminology and Criminal Justice, MS (PPCRJMS)
Criminology and Criminal Justice, PHD (PPCRJPHD)
Domestic Violence and Evidence-Based Practice (Certificate), Certificate (PPDVEPGRCT)
Emergency Management (Certificate), Certificate (PPEMEGRCT)
Emergency Management and Homeland Security, MA (PPEMHSMA)
Emergency Management and Homeland Security (Biosecurity and Threat Management), MA (PPEMHSBTMA)
Emergency Management and Homeland Security (Community Resilience), MA (PPEMHSCRMA)
Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA (PPEHSCPMMA)
Emergency Management and Homeland Security (Emergency Management), MA (PPEMHSEMMA)
Emergency Management and Homeland Security (Homeland Security), MA (PPEMHSHSMA)

Homeland Security (certificate), Certificate (PPHLSGRCT)
Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)
Law Enforcement Administration (Certificate), Certificate (PPLEAGRCT)
Nonprofit Leadership and Management, MNLM (PPNPSMNS)
Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)
Participatory Governance (certificate), Certificate (PPPGOGRCT)
Policy Informatics (Certificate), Certificate (PPPOIGRCT)
Program Evaluation (Certificate), Certificate (PPPGEVGRCT)
Program Evaluation and Data Analytics, MS (PPPGEMS)
Public Administration, EMPA (PPPUAEMPA)
Public Administration, MPA (PPPADTMPA)
Public Administration (Certificate), Certificate (PPPUAGRCT)
Public Administration (Emergency Management), MPA (PPPAFEMPA)
Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)
Public Administration (Public Finance), MPA (PPPAFPMPA)
Public Administration (Urban Management), MPA (PPPAFUMPA)
Public Administration and Policy, PHD (PPPUBADPHD)
Public Administration and Policy (Urbanism), PHD (PPPAURBPHD)
Public Policy, MPP (PPPUBPMPP)
Public Policy (Certificate), Certificate (PPPUPGRCT)
Public Policy (Environmental Policy), MPP (PPPUPEPMPP)
Public Policy (Policy Informatics), MPP (PPPUPPIMPP)
Public Policy (Science and Technology Policy), MPP (PPPUPSTMPP)
Public Safety Leadership & Administration (Emergency Medical Services-Mobile Integrated Healthcare), MPSLA (PPPSEMMPSL)
Public Safety Leadership and Administration, MPSLA (PPPSLAMPSL)
Public Safety Leadership and Administration (Executive Fire Administration), MPSLA (PPPSEFMPSL)
Public Safety Leadership and Administration (Executive Police Administration), MPSLA (PPPSEPMPSL)
Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)
Social Work, MSW (PPSWDMSW)
Social Work, PHD (PPSW2PHD)
Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)
Social Work (Policy, Administration and Community Practice), MSW (PPCPDTMSW)
Social Work - Advanced Standing - Advanced Generalist, MSW (PPASWMSW)
Sustainable Tourism, MST (PPSUSTMST)
Sustainable Tourism (certificate), Certificate (PPSTGRCT)
Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)

Teachers College, Mary Lou Fulton

Advanced Analytics in Higher Education, Certificate (TEAAHEGRCT)
Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)
Autism Spectrum Disorders (Certificate), Certificate (EDSPEGRCA)
Curriculum and Instruction  (Teaching and Learning), MEd (EDDCIMED)
Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED)
Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)
Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)
Early Childhood Education, MEd (TEECEDMED)
Early Childhood Education (Teacher Certification), MEd (TEECDTCMED)
Educating Multilingual Learners (Certificate), Certificate (TEESLGRCT)
Education, MA (TEEDUMA)
Education (Accomplished Teaching), MA (EDACCTCMA)

Education (Educating Multilingual Learners), MA (EDESLMA)
Education (Literacy Education), MA (EDLANGMA)
Education Sciences, MS (TEEDUSCIMS)
Educational Leadership, MEd (EDSUPVMED)
Educational Leadership (Principalship), MEd (TEPRINMED)
Educational Policy, MA (EDSPFMA)
Educational Policy and Evaluation, PHD (EDLDRSHPHD)
Educational Technology, PHD (EDTECHPHD)
Elementary Education, MEd (TEELEMMED)
Elementary Education (Teacher Certification), MEd (TEEEACLMED)
Gifted Education (Certificate), Certificate (TEGEDGRCT)
Global Education, MEd (TEGLOEDMED)
Higher and Postsecondary Education, MEd (EDPOSTMED)
Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)
Instructional Design and Performance Improvement (certificate), Certificate (EDEDTGRCT)
Leadership and Innovation, EdD (TELINEDD)
Leadership and Innovation (Policy and Administration), EdD (TEINNPAEDD)
Leadership and Innovation (Teaching), EdD (TEINNTEEDD)
Learning Design and Technologies, MEd (EDTECHMED)
Learning Sciences, MA (EDPSYCHMA)
Learning, Literacies and Technologies, PHD (EDCIPHD)
Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)
Physical Education, MPE (ECPHYEDMPE)
Secondary Education, MEd (TESECEDMED)
Secondary Education (Teacher Certification), MEd (TESCERTMED)
Special Education, MA (EDSPEDMA)
Special Education, MEd (ECSPEDMED)
Special Education (Applied Behavior Analysis), MA (TESPEABAMA)
Special Education (Autism Spectrum Disorder), MA (TESPEASDMA)
Special Education (Teacher Certification), MEd (TESECRTMED)
Teacher Certification (Certificate), Certificate (TETEACGRCT)
Technology for Teaching and Learning (certificate), Certificate (EDEDTTGRCT)
Undergraduate Programs
Minors (Program Descriptions and Requirements)
African and African American Studies Minor (LAAFRMIN)
Aging Minor (ASALDMIN)
American Indian Studies Minor (LAAISMIN)
American Studies Minor (ASAMSMIN)
Anthropology Minor (LAASBMIN)
Applied Biological Sciences Minor (TSABSMIN)
Applied Computing Minor (ASACOMIN)
Applied Ethics Minor (ASAPETHMIN)
Applied Mathematics Minor (ASAPMMIN)
Applied Mathematics Minor (LSAPMMIN)
Arabic Studies Minor (LAARBMIN)
Architectural Studies Minor (ARSTDMIN)
Art History Minor (FAARTHMIN)
Asian Languages (Chinese) Minor (LACHIMIN)
Asian Languages (Japanese) Minor (LAJPNMIN)
Asian Pacific American Studies Minor (LAAPAMIN)

Astronomy Minor (LAASTMIN)
Astrophysics Minor (LAASTPHMIN)
Behavior Analysis Minor (TEBEHANMIN)
Biochemistry Minor (LABCHMIN)
Biological Sciences Minor (LABIOMIN)
Biology Minor (ASLSCMIN)
Business Minor (BABUSMIN)
Chemistry Minor (ASCHMMIN)
Chemistry Minor (LACHMMIN)
Civic and Economic Thought and Leadership Minor (LACELMIN)
Communication Minor (HSCMNMIN)
Communication Minor (LACOMMIN)
Communication Minor (LSCOMMIN)
Community Health Minor (NUCHLTMIN)
Community Sports Management Minor (PPCSMMIN)
Computational Mathematical Sciences Minor (LACMSMIN)
Conflict Resolution Minor (ASCNRMIN)
Construction Management Minor (ESCMGMIN)
Counseling and Applied Psychological Science Minor (LSCAPSMIN)
Criminology and Criminal Justice Minor (PPCRJMIN)
Dance Minor (FADANMIN)
Data Science Minor (LADATSCMIN)
Design Studies Minor (ARDSNMIN)
Digital Audiences Minor (CSDAUMIN)
Digital Media Literacy Minor (CSDMLMIN)
Disability Studies Minor (ASDISASMIN)
Early Childhood Education Minor (TEECEDMIN)
Economics Minor (LAECNMIN)
Educational Studies Minor (TEEDSTMIN)
Engineering Management Minor (ESENMMIN)
English Minor (ASENGMIN)
English Minor (LAENGMIN)
English Minor (LSENGMIN)
English (Linguistics) Minor (LAENGMINN)
English (Literature) Minor (LAENGMINT)
Environmental Science Minor (ASENVMIN)
Environmental and Resource Management Minor (ESERMMIN)
Ethnic Studies Minor (ASETHMIN)
Family and Human Development Minor (LAFASMIN)
Fashion Minor (HIFSHMIN)
Film and Media Production Minor (FAFMPMIN)
Film and Media Studies Minor (LAFMSMIN)
Food and Nutrition Entrepreneurship Minor (ECFNTRMIN)
Forensic Science Minor (ASFOREMIN)
French Minor (LAFREMIN)
Gender, Women and Sexuality Studies Minor (ASWSTMIN)
Gender, Women and Sexuality Studies Minor (LAWSTMIN)
Geography Minor (LAGCUMIN)
Geological Sciences Minor (LAGLGMIN)
German Minor (LAGERMIN)

Global Health Minor (LASSHMIN)
Global Studies Minor (LASGSMIN)
Health Care Compliance and Regulations Minor (NUHCCRMIN)
Health Care Coordination Minor (NUHCCOMIN)
Health Innovation Minor (NUHCIMIN)
History Minor (ASHISMIN)
History Minor (LAHISMIN)
History Minor (LSHISMIN)
History of Science, Technology and Innovation Minor (LSHSIIMIN)
Human Nutrition Minor (ECNTRMIN)
Human Systems Engineering Minor (ESHSEMIN)
Innovation in Society Minor (FIFISMIN)
Instructional Design Minor (TELDTMIN)
Integrative Health Minor (NUIHLTMIN)
Integrative Social Science Minor (LSISSMIN)
Interdisciplinary Organizational Studies Minor (ASIOSMIN)
Interior Design History Minor (ARINTMIN)
Italian Minor (LAITAMIN)
Justice Studies Minor (LAJUSMIN)
Kinesiology Minor (NHKINMIN)
Korean Minor (LAKORMIN)
Landscape Studies Minor (ARLNDMIN)
Latin American Studies Minor (ASLASMIN)
Materials Science and Engineering Minor (ESMSEMIN)
Mathematics Minor (ASMATHMIN)
Mathematics Minor (LAMATMIN)
Media Analysis Minor (CSCMOMINA)
Media Arts and Sciences Minor (HIDGCMIN)
Medical Studies Minor (NHMESTMIN)
Military Leadership Minor (LAMISMIN)
Music Minor (FAMUSMIN)
Music Performance Minor (HIMUSPMIN)
Music Theatre Minor (HIMUTHRMIN)
Nonprofit Leadership and Management Minor (PPNLMMIN)
Nutrition and Healthy Living Minor (NUNHLMIN)
Organizational Leadership Minor (LSORGLMIN)
Parks and Protected Area Management Minor (PPPRMMINT)
Personal Health Minor (NHPHLMIN)
Pharmacology and Toxicology Minor (ASPTXMIN)
Philosophy Minor (ASPHIMIN)
Philosophy Minor (LAPHIMIN)
Physics Minor (LAPHYMIN)
Physics Minor (LSPHYMIN)
Political Science Minor (ASPOLMIN)
Political Science Minor (LAPOSMIN)
Portuguese Minor (LAPORMIN)
Project Management Minor (LSPROMAMIN)
Psychology Minor (ASPGSMIN)
Psychology Minor (LAPGSMIN)
Psychology Minor (LSPGSMIN)

Public Relations and Strategic Communications Minor (HSPRSMIN)
Public Service and Public Policy Minor (PPPAFMIN)
Real Estate Minor (BAREAMIN)
Recreation Management Minor (PPRECMIN)
Recreation Therapy Minor (PPRECTMIN)
Religious Studies Minor (ASRELMIN)
Religious Studies Minor (LARELMIN)
Romanian Minor (LAROMMIN)
Russian Minor (LARUSMIN)
Science, Technology and Society Minor (ECSTSMIN)
Slavic Studies Minor (LASLVMIN)
Social Justice and Human Rights Minor (ASJHRMIN)
Social Welfare Minor (LASSWMIN)
Social and Behavioral Sciences Minor (ASSBSMIN)
Sociocultural Anthropology Minor (ASASBMIN)
Sociology Minor (ASSOCMIN)
Sociology Minor (LASOCMIN)
Spanish Minor (ASSPAMIN)
Spanish Minor (LASPAMIN)
Spanish Minor (LSSPAMIN)
Special Events Management Minor (HSEVNMIN)
Speech and Hearing Science Minor (LASHSMIN)
Statistics Minor (ASSTAMIN)
Statistics Minor (LASTAMIN)
Studio Art Minor (HISTARTMIN)
Sustainability Minor (SUSUSMIN)
Sustainable Food Systems Minor (GFSUSFSMIN)
Sustainable Tourism Minor (PPTDMSMIN)
Technical Communication Minor (LSTWCMIN)
Technological Entrepreneurship and Management Minor (ESTEM2MIN)
Technological Leadership Minor (LATECLDMIN)
Theatre Minor (FATHEMIN)
Tourism Development and Management Minor (PPTDMMIN)
Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)
Urban Planning Minor (ARPUPMIN)
Urban and Metropolitan Studies Minor (PPURBMIN)
Wellness Foundations Minor (ECEXWMIN)
Writing, Rhetorics and Literacies Minor (LAWRHLMIN)
Youth Services Leadership Minor (HSYSLMIN)

Undergraduate Programs

Undergraduate Certificates (Program Descriptions and Requirements)

Actuarial Science Certificate (LAACTCERT)
African and African American Studies Certificate (LAAFRCERT)
American Indian Nation Governance Certificate (LAAIGVCERT)
Analysis and Management of Insurance Risk Certificate (LAAMIRCERT)
Applied Business Data Analytics Certificate (BABDACERT)
Applied Cybersecurity Certificate (ASACSCERT)
Applied Social Sciences Certificate (ASAPSSCERT)
Arabic Studies Certificate (LAARBCERT)
Arts Entrepreneurship Certificate (HITHAECERT)

Arts and Humanities in Games Certificate (ASAHGCERT)
Arts in Education Certificate (HIAEDCERT)
Asian Pacific American Studies Certificate (LAAPACERT)
Asian Studies Certificate (LAASNCERT)
Atmospheric Sciences Certificate (LAATMSCERT)
Bilingual Education and English as a Second Language Certificate (TEESLCERT)
Biomedical Research Certificate (ASBMRCERT)
Biomimicry Certificate (SUBMYCERT)
Brazilian Studies Certificate (LABZSCERT)
Civic Education Certificate (LACVECERT)
Civil Communication Certificate (LACCOMCERT)
Classical Studies Certificate (LACLGCERT)
Communication Sciences and Disorders Certificate (NHCSDCERT)
Communication Training and Assessment Certificate (ASCTACERT)
Community-Engaged Practices in Design and the Arts Certificate (HISEPCERT)
Computational Life Sciences Certificate (LACLSICERT)
Computer Gaming Certificate (ESSCICERT)
Convention Sales and Meeting Planning Certificate (PPTDMCERT)
Correctional Studies Certificate (PPCRTSCERT)
Creative City Certificate (PPURBCERC)
Criminal Investigations Certificate (PPCRICERT)
Cross-Sector Leadership Certificate (PPCSLDCERT)
Cryptology Certificate (LACRYCERT)
Data Science Certificate (ASDTSCERT)
Desert Food Production Certificate (LSDFPRCERT)
Digital Business Innovation Certificate (BADBICERT)
Disability Studies Certificate (LADISCERT)
Diversity and Equity Studies Certificate (ASDESCERT)
Domestic Violence and Evidence-based Practice Certificate (PPDVEPCERT)
Early Childhood Education Certificate (TEECDCERT)
Early Childhood Special Education Certificate (TEECSCERT)
Economic Justice Certificate (LAECNJCERT)
Elementary Education Certificate (TEEEDCERT)
Energy and Sustainability Certificate (SUESUCERT)
Entrepreneurship and Innovation Certificate (BAKEICERT)
Environmental Education Certificate (TEEVEDCERT)
Environmental Humanities Certificate (LAENHCERT)
Environmental Humanities Certificate (LSENHCERT)
Ethics Certificate (LAETHCERT)
Ethnic Studies Certificate (ASETHCERT)
European Studies Certificate (LAESCERT)
Evolutionary Medicine Certificate (LAEVMDCERT)
Family Communication Certificate (ASFAMCCERT)
Field Geology Certificate (LAFDGCERT)
Film and Video Studies Certificate (ASVIDCERT)
Food Industry Management and Marketing Certificate (BAFIMMCERT)
Gender, Women and Sexuality Studies Certificate (ASWSTCERT)
Gender, Women and Sexuality Studies Certificate (LAWSTCERT)
Geographic Information Science Certificate (LAGISCERT)
Global Management Certificate (TBTGMCERT)

Globalization and Culture Certificate (LAGLCCERT)
Hazardous Materials and Waste Management Certificate (TSETMCERT)
Health Care Policy and Delivery Certificate (NHHCPDCERT)
Health Education Specialist Certificate (NHHEDSCERT)
Health and Wellness Coach Certificate (NHHWCCERT)
History and Philosophy of Science Certificate (LAHPSCERT)
Homeland Security Certificate (PPHSLCERT)
Hospice and Palliative Care Certificate (NHHAPCCERT)
Human Rights Certificate (LAHRTSCERT)
Indoor Farming Certificate (LSIFRMCERT)
Informatics Certificate (ESCPICERT)
Innovation for Impact Certificate (FIIFICERT)
Interdisciplinary Health Humanities Certificate (LAIHHUCERT)
International Business Studies Certificate (BAIBSCERT)
International Cinema Certificate (LAICINCERT)
International Studies Certificate (LAINSCERT)
International Trade Certificate (TBINTRCERT)
Islamic Studies Certificate (LAISLCERT)
Jewish Studies Certificate (LAJUDCERT)
Juvenile Justice Certificate (PPJVJUCERT)
Korean Studies Certificate (LAKORCERT)
Latin American Studies Certificate (LALASCERT)
Latino Politics and Policy Certificate (LALPPCERT)
Law Enforcement in Parks and Protected Areas Certificate (PPLEPPCERT)
Law and Human Behavior Certificate (PPLWHBCERT)
Leadership and Ethics Certificate (PPLDECERT)
Leadership in Business Certificate (BALIBCERT)
Leadership, Ethics and Service Certificate (PPLETSCERT)
Legal Issues in Criminal Justice Certificate (PPLCRJCERT)
Lesbian, Gay, Bisexual and Transgender Studies Certificate (PPLGBTCERT)
Mathematical Concepts of Engineering Certificate (LAMACECERT)
Media Arts and Sciences Certificate (HIDGCCERT)
Mild/Moderate Special Education Certificate (TEMSPECERT)
Military Studies Certificate (LSMILSCERT)
Modern Hebrew Certificate (LAHEBCERT)
Music Entrepreneurship Certificate (HIMERTCERT)
Nonprofit Professional Certificate (PPNPYCERT)
Oral History and Storytelling Certificate (ASOHCCERT)
Organizational Leadership Certificate (LSORGLCERT)
Peace Corps Prep Certificate (LSPCPRCERT)
Personal Fitness Training Certificate (NHPFITCERT)
Philosophy, Politics and Economics Certificate (LAPHPECERT)
Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)
Planetary Science Certificate (LAPLSCERT)
Political Economy Certificate (LAPLECERT)
Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT)
Political History and Leadership Certificate (LAPTLCERT)
Power and Society Certificate (ASPWSOCERT)
Professional Sales Certificate (BAPRSCERT)
Public Administration and Public Management Certificate (PPPAFCERT)

Recreational Therapy Certificate (PPRECTCERT)
Religion, Conflict and Peace Certificate (LARELCERT)
Risk Communication Certificate (ASRCMCERT)
Risk Management Certificate (BARMGTCERT)
Russian and East European Studies Certificate (LAREECERT)
Sales and Marketing Essentials Certificate (BASMECERT)
School Nutrition Certificate (ECNTRCERC)
Secondary Education Certificate (TESEDCERT)
Security Studies Certificate (PPSCSCERT)
Small Business and Entrepreneurship Certificate (BASMBCERT)
Social Science Research Methods Certificate (LASSRMCERT)
Social Transformation Certificate (LASOTCERT)
Socio-Legal Studies Certificate (LASLSTCERT)
Spanish for the Professions Certificate (LSSPPRFCER)
Special Events Management Certificate (HSRTMUERT)
Speech-Language Pathology Assistant Certificate (LASLPACERT)
Sports Business Certificate (BASPBCERT)
Sports, Cultures and Ethics Certificate (LASPCECERT)
Sustainable Food Systems Certificate (SUFSUCERT)
Symbolic, Cognitive and Linguistic Systems Certificate (LAPHICERT)
Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)
Transformation and Change Certificate (ASTNCHCERT)
Translation Certificate (LASPACERT)
Veterans, Society and Service Certificate (LAVSSCERT)
Vocal Pedagogy Certificate (HIVCLPCERT)
Water Resources Certificate (LAWATRCERT)
Wildlife Management Certificate (LSWLMCERT)
Working with Military Families Certificate (LAWWMFCERT)
Writing Certificate (ASWRTCERT)
Undergraduate Programs
Undergraduate Degrees (Program Descriptions)
Business, W. P. Carey School of
Accountancy, BS (BAACCBS)
Applied Business and Technology Solutions, BA (BAAPBTSBA)
Business, BA (BABUSBA)
Business (Business Administration), BA (BABUSBABA)
Business (Chinese Language and Culture), BA (BABUSCLBA)
Business (Communication), BA (BABUSCBA)
Business (Corporate Accounting), BA (BABUSCABA)
Business (Financial Planning), BA (BABUSFPBA)
Business (Food Industry Management), BA (BABUSFIMBA)
Business (Global Agribusiness), BA (BABUSGAGBA)
Business (Global Leadership), BA (BABUSGBA)
Business (Global Logistics Management), BA (BABUSGLBA)
Business (Global Politics), BA (BABUSGPBA)
Business (Health Care), BA (BABUSHCBA)
Business (Human Resources), BA (BABUSHRBA)
Business (Information Security), BA (BABUSISBA)
Business (Language and Culture), BA (BABSLACUBA)
Business (Law), BA (BABUSLBA)

Business (Public Service and Public Policy), BA (BABUSPBA)
Business (Retail Management), BA (BABUSRBA)
Business (Sports Business), BA (BABUSMSBA)
Business (Statistics), BA (BABUSTABA)
Business (Sustainability), BA (BABUSSBA)
Business (Technology), BA (BABUSTCBA)
Business (Tourism), BA (BABUSTBA)
Business Data Analytics, BS (BABDABS)
Business Entrepreneurship, BS (BABUENTBS)
Business Exploratory,  (BABUSEXP)
Computer Information Systems, BS (BACISBS)
Economics, BS (BAECNBS)
Entrepreneurial Leadership, BA (BAENTLBA)
Finance, BS (BAFINBS)
Management, BS (BAMGTBS)
Marketing, BS (BAMKTBS)
Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)
Marketing (Professional Sales), BS (BAMKTPSBS)
Supply Chain Management, BS (BASCMBS)

Design and the Arts, Herberger Institute for
Architectural Studies, BSD (ARSTDBSD)
Art (Animation), BFA (HIARTANBFA)
Art (Art Education), BFA (FAARTEBFA)
Art (Art History), BA (FAARTHBA)
Art (Art Studies), BA (FAARTSTDBA)
Art (Ceramics), BFA (FAARTCBFA)
Art (Digital Photography), BFA (HIARTDPBFA)
Art (Drawing), BFA (FAARTDBFA)
Art (Expanded Arts), BFA (FAARTIBFA)
Art (Museum Studies), BA (FAARTMSBA)
Art (Painting and Drawing), BFA (HIARTPDBFA)
Art (Painting), BFA (FAARTPABFA)
Art (Photography), BFA (FAARTPHBFA)
Art (Printmaking), BFA (FAARTPMBFA)
Art (Sculpture), BFA (FAARTSBFA)
Art (Textiles), BFA (FAARTFBFA)
Arts (BA in the Arts), BA (FAATSBA)
Dance, BFA (FADANBFA)
Dance (Dance Education), BFA (FADANEBFA)
Design Studies, BA (ARDSNBA)
Design Studies (Design Management), BA (ARDSNMBA)
Digital Culture (Media Processing), BA (HIDGCMPBA)
Environmental Design, BS (HIEDSBS)
Fashion, BA (HIFSHBA)
Film (Film and Media Production), BA (FAFLMBA)
Film (Filmmaking Practices), BA (FAFPRBA)
Film and Media Production, BFA (HIFMPBFA)
Graphic Design, BSD (ARGRABSD)
Industrial Design, BSD (ARINDBSD)
Interior Design, BSD (ARINTBSD)

Landscape Architecture, BSLA (ARPLABSLA)
Media Arts and Sciences, BA (HIDGCBA)
Media Arts and Sciences (Art), BA (HIDGCABA)
Media Arts and Sciences (Design), BA (HIDGCDBA)
Media Arts and Sciences (English), BA (HIDGCENBA)
Media Arts and Sciences (Film), BA (HIDGCFBA)
Media Arts and Sciences (Graphic Information Technology), BA (HIDGCTEBA)
Media Arts and Sciences (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)
Media Arts and Sciences (Media Processing), BS (HIDGCMPBS)
Media Arts and Sciences (Music), BA (HIDGCMBA)
Media Arts and Sciences (Theatre), BA (HIDGCTBA)
Music, BA (FAMUSBA)
Music (Music and Culture), BA (HIMUSMCBA)
Music (Popular Music), BA (HIMUSPMBA)
Music Learning and Teaching, BMUS (FAMUSEBM)
Music Therapy, BMUS (FAMUSTHBM)
Performance (Collaborative Piano), BMUS (FAMUSPPBM)
Performance (Guitar), BMUS (FAMUSPGBM)
Performance (Jazz), BMUS (FAMUSPJBM)
Performance (Keyboard), BMUS (FAMUSPKBM)
Performance (Music Theatre), BMUS (FAMUSPMBM)
Performance (Orchestral Instrument), BMUS (FAMUSPOBM)
Performance (Voice), BMUS (FAMUSPVBM)
Performance and Movement, BA (HIPERMVBA)
Theatre, BA (FATHEBA)
Theatre (Acting), BA (FATHEABA)
Theatre (Design and Production), BA (FADSNPRBA)
Theory and Composition (Composition), BMUS (FAMUSTCBM)
Theory and Composition (Theory), BMUS (FAMUSTTBM)

Engineering, Ira A. Fulton Schools of
Aeronautical Management Technology (Air Traffic Management), BS (ESAMTATBS)
Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)
Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)
Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS)
Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)
Aerospace Engineering (Astronautics), BSE (ESAEASBSE)
Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)
Applied Science (Aviation), BAS (TSAMTABAS)
Applied Science (Graphic Information Technology), BAS (TSGITBAS)
Applied Science (Internet and Web Development), BAS (TSIWDBAS)
Applied Science (Operations Management), BAS (TSIMCOBAS)
Biomedical Engineering, BSE (ESBMEBSE)
Biomedical Engineering (Biological Devices), BSE (ESBMEBDBSE)
Biomedical Engineering (Biomedical Devices), BSE (ESBMEMDBSE)
Chemical Engineering, BSE (ESCHEBSE)
Civil Engineering, BSE (ESCEEBSE)
Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)
Computer Science, BS (ESCSEBS)
Computer Science (Cybersecurity), BS (ESCSEIBS)
Computer Science (Software Engineering), BS (ESCSESBS)

Computer Systems Engineering, BSE (ESCSEBSE)
Computer Systems Engineering (Cybersecurity), BSE (ESCSEIBSE)
Construction Engineering, BSE (ESCONBSE)
Construction Management and Technology, BS (ESCONMGTBS)
Electrical Engineering, BSE (ESEEEBSE)
Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)
Engineering, BSE (TSEGRBSE)
Engineering (Automotive Systems), BSE (TSEGRASBSE)
Engineering (Electrical Systems), BSE (TSEGRESBSE)
Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)
Engineering (Robotics), BSE (TSEGRRBSE)
Engineering Management, BSE (ESEMGBSE)
Environmental Engineering, BSE (ESEVEBSE)
Environmental and Resource Management, BS (TSETMBS)
Graphic Information Technology, BS (TSGITBS)
Graphic Information Technology (Full-Stack Web Development), BS (ESGITFSWBS)
Graphic Information Technology (User Experience), BS (ESGITUEBS)
Human Systems Engineering, BS (ESHSEBS)
Human Systems Engineering (User Experience), BS (ESHSEUEBS)
Industrial Engineering, BSE (ESIEEBSE)
Informatics, BS (ESCPIBS)
Information Technology, BS (TSIFTBS)
Manufacturing Engineering, BS (TSMEGRBS)
Materials Science and Engineering, BSE (ESMSEBSE)
Mechanical Engineering, BSE (ESMAEMBSE)
Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)
Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)
Software Engineering, BS (TSSERBS)
Technological Entrepreneurship and Management, BS (TSTEMBS)

Global Futures, College of
Applied Mathematics for the Life and Social Sciences, BS (LAAMLBS)
Innovation in Society, BA (FIFISBA)
Innovation in Society, BS (FIFISBS)
Sustainability, BA (SUSUSTBA)
Sustainability, BS (SUSUSTBS)
Sustainable Food Systems, BS (SUSFOSYSBS)

Global Management, Thunderbird School of
Global Management, BGM (TBTGMBGM)
International Trade, BS (TBINTRABS)

Health Solutions, College of
Applied Science (Food and Nutrition Entrepreneurship), BAS (ECNTRBAS)
Applied Science (Health Sciences), BAS (NUHSCBAS)
Applied Science (Medical Laboratory Science), BAS (NUMLSBAS)
Biomedical Informatics, BS (ESBMIBS)
Clinical Exercise Science, BS (ECEXERBS)
Dietetics, BS (NHDIETCSBS)
Exercise and Wellness (Fitness and Wellness Specialist), BS (ECEXWBS)
Exercise and Wellness (Strength and Conditioning Specialist), BS (NHEXWSCBS)
Food and Nutrition Entrepreneurship, BS (NHFNUENBS)
Health Care Administration and Policy, BS (NHHCDBS)

Health Education and Health Promotion, BS (NHHEHPBS)
Health Sciences, BS (NHHSCBS)
Health Sciences (Health Policy), BS (NUHSCHPBS)
Health Sciences (Healthy Lifestyles and Fitness Science), BS (NUHSCHLCBS)
Health Sciences (Pre-professional), BS (NUHSCPREBS)
International Public Health, BIPH (NHIPHBIPH)
Kinesiology, BS (NUKINBS)
Medical Studies, BS (NHMEDBS)
Nutrition, BS (NHNTRBS)
Nutrition (Dietetics), BS (ECNTRDBS)
Nutrition (Food and Nutrition Management), BS (ECNTRMBS)
Nutrition (Human Nutrition), BS (ECNTRHBS)
Nutrition (Nutrition Communication), BS (ECNTRCBS)
Nutritional Science, BS (NHNUSCIBS)
Population Health, BS (NHPOPHLBS)
Public Health, BS (NHPBHBS)
Speech and Hearing Science, BS (LASHSBS)
Sports Science and Performance Programming, BS (NHSPTSPPBS)

Honors - Barrett, The Honors College
Honors College, (9HOHONALL)

Integrative Sciences and Arts, College of
Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)
Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)
Applied Biological Sciences (Natural Resource Ecology), BS (LSABSNRBS)
Applied Biological Sciences (Pre-Dental), BS (LSABSPDBS)
Applied Biological Sciences (Preveterinary Medicine), BS (LSABSPMBS)
Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)
Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)
Applied Mathematics, BS (LSMATBS)
Applied Physics, BS (LSAPHYBS)
Applied Quantitative Science, BS (LSAQSBS)
Applied Science (Animal Biology), BAS (LSANBIOBAS)
Applied Science (Applied Leadership), BAS (LSALSBAS)
Applied Science (Project Management), BAS (LSAPSPMBAS)
Applied Science (Technical Communication), BAS (LSTECBAS)
Communication, BA (LSCOMBA)
Counseling and Applied Psychological Science, BS (LSCAPSBS)
Counseling and Applied Psychological Science (Sports and Performance Counseling), BS (LSCAPSSPBS)
Counseling and Applied Psychological Science (Substance Abuse and Addictions), BS (LSCAPSAABS)
English, BA (LSENGBA)
General Studies, BA (LSGNSBGS)
History, BA (LSHISBA)
History (Veterans, Society and Service), BA (LSHISVSSBA)
History of Science, Technology and Innovation, BA (LSHSIIBA)
Integrative Social Science, BS (LSISSBS)
Interdisciplinary Studies, BA (LSBISBIS)
Interdisciplinary Studies (Organizational Studies), BA (LSORGBIS)
Liberal Studies, BA (LABLSBLS)
Military Studies, AA (LSMILSTAA)
Organizational Leadership, AA (LSORGLAA)

Organizational Leadership, BA (LSORGLBA)
Organizational Leadership (Project Management), BA (LSORGLPMBA)
Organizational Leadership (Veterans, Society and Service), BA (LSORGLVSBA)
Political Science, BS (LSPOLBS)
Psychology, BA (LSPGSBA)
Psychology, BS (LSPGSBS)
Science, Technology and Society, BS (ECSTSBS)
Technical Communication, BS (LSTECBS)
Technical Communication (Data Visualization), BS (LSTECDVBS)
Technical Communication (Social Media Management), BS (LSTECSMMBS)
Technical Communication (User Experience), BS (LSTECUBS)
Interdisciplinary Arts and Sciences, New College of
Aging, BS (ASALDBS)
Applied Computing, BS (ASACOBS)
Applied Computing (Cybersecurity), BS (ASACOCBS)
Applied Mathematics, BS (ASMATBS)
Applied Science, BAS (ASBASBAS)
Biology, BA (ASLSCBA)
Biology, BS (ASLSCBS)
Biology (Pharmacology/Toxicology), BS (ASLSCPBS)
Biotechnology and Bioenterprise, BS (ASBITEBS)
Communication, BA (ASCOMMBA)
Communication, BS (ASCOMMBS)
Computational Forensics, BS (ASCPFBS)
Conflict Resolution, BA (ASCNRBA)
Disability Studies, BA (ASDISASBA)
English, BA (ASENGBA)
English (Secondary Education), BA (ASENGSEBA)
Environmental Science, BA (ASENVBA)
Environmental Science, BS (ASENVBS)
Exploratory Applied Computing, Mathematics and Technology,  (ASACMTEXPL)
Exploratory Health and Life Sciences,  (ASHSCIEXPL)
Exploratory Humanities, Fine Arts and Design,  (ASHUFAEXPL)
Exploratory Social and Behavioral Sciences,  (ASSBSEXPL)
Forensic Science, BS (ASFOREBS)
Gender, Women and Sexuality Studies, BS (ASWSTBS)
History, BA (ASHISBA)
History (Secondary Education), BA (ASHISSEBA)
Interdisciplinary Arts and Performance, BA (ASIAPBA)
Interdisciplinary Arts and Sciences, BA (ASIASBA)
Latin American Studies, BA (ASLASBA)
Pharmacology and Toxicology, BS (ASPTXBS)
Philosophy, Religion and Society, BA (ASRELBA)
Political Science, BA (ASPOLBA)
Political Science, BS (ASPOLBS)
Psychology, BA (ASPGSBA)
Psychology, BS (ASPGSBS)
Psychology (Forensic Psychology), BA (ASPGSFPBA)
Psychology (Forensic Psychology), BS (ASPGSFPBS)
Psychology (Positive Psychology), BA (ASPGSPPBA)

Psychology (Positive Psychology), BS (ASPGSPPBS)
Social Justice and Human Rights, BA (ASJHRBA)
Social and Behavioral Sciences, BA (ASSBSBA)
Social and Behavioral Sciences, BS (ASSBSBS)
Social and Cultural Analysis (American Studies), BA (ASSCAASBA)
Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA (ASSCAERBA)
Social and Cultural Analysis (Latin American Studies), BA (ASSCALABA)
Social and Cultural Analysis (Peace Studies), BA (ASSCAPSBA)
Social and Cultural Analysis (Queer and Sexuality Studies), BA (ASSCAQSBA)
Social and Cultural Analysis (Women and Gender Studies), BA (ASSCAWSBA)
Sociology, BA (ASSOCBA)
Sociology, BS (ASSOCBS)
Spanish, BA (ASSPABA)
Statistics, BS (ASSTABS)

Journalism and Mass Communication, Walter Cronkite School of
Digital Audiences, BS (CSDIGABS)
Digital Media Literacy, BA (CSDMLBA)
Journalism and Mass Communication, BA (CSJMCBA)
Mass Communication and Media Studies, BA (CSMCMSTBA)
Sports Journalism, BA (CSSPJBA)

Liberal Arts and Sciences, The College of
Actuarial Science, BS (LAACTBS)
African and African American Studies, BA (LAAFRBA)
American Indian Studies, BS (LAAISBS)
American Studies, BA (LAAMRSTBA)
Anthropology, BA (LAASBBA)
Anthropology, BS (LAASBBS)
Asia Studies, BA (LAASIABA)
Asia Studies (East Asia), BA (LAHSTEABA)
Asia Studies (South Asia), BA (LAHSTSABA)
Asia Studies (Southeast Asia), BA (LAHSTSEABA)
Asian Languages (Chinese), BA (LACHIBA)
Asian Languages (Japanese), BA (LAJPNBA)
Asian Pacific American Studies, BA (LAAPABA)
Astronomical and Planetary Sciences, BS (LAASTPLSBS)
Biochemistry, BA (LABCHBA)
Biochemistry, BS (LABCHBS)
Biochemistry (Medicinal Chemistry), BS (LABCHMBS)
Biological Sciences, BS (LABSCBS)
Biological Sciences (Biology and Society), BS (LABSCSBS)
Biological Sciences (Biomedical Sciences), BS (LABSCMBS)
Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)
Biological Sciences (Genetics, Cell and Developmental Biology), BS (LABSCGBS)
Biological Sciences (Neurobiology, Physiology and Behavior), BS (LABSCABS)
Biophysics, BS (LABIPHBS)
Chemistry, BA (LACHMBA)
Chemistry, BS (LACHMBS)
Chemistry (Environmental Chemistry), BS (LACHMEBS)
Civic and Economic Thought and Leadership, BA (LACELBA)
Civic and Economic Thought and Leadership, BS (LACETLBS)

Communication, BA (LACOMBA)
Communication, BS (LACOMBS)
Computational Mathematical Sciences, BS (LACMSBS)
Culture, Technology and Environment, BA (LACTEBA)
Data Science, BS (LADATSCIBS)
Earth and Environmental Studies, BA (LAEESBA)
Earth and Space Exploration, BS (LASESBS)
Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)
Earth and Space Exploration (Astrophysics), BS (LASESABS)
Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)
Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)
Economics, BS (LAECNBS)
Economics (Politics and the Economy), BS (LAECNPECBS)
English, BA (LAENGBA)
English (Creative Writing), BA (LAENGCBA)
English (Linguistics), BA (LAENGNBA)
English (Literature), BA (LAENGTBA)
English (Secondary Education), BA (LAENGSEBA)
English (Writing, Rhetorics and Literacies), BA (LAENGWBA)
Family and Human Development, BS (LAFASBS)
Film (Film and Media Studies), BA (LAFMSBA)
French, BA (LAFREBA)
Gender, Women and Sexuality Studies, BA (LAWSTBA)
Geographic Information Science, BS (LAGISBS)
Geography, BA (LAGCUBA)
Geography, BS (LAGCUBS)
Geography (Meteorology-Climatology), BS (LAGCUMBS)
German, BA (LAGERBA)
Global Health, BA (LASSHBA)
Global Health, BS (LASSHBS)
Global Studies, BA (LASGSBA)
History, BA (LAHISBA)
History (Secondary Education), BA (LAHISSEBA)
Integrated Studies, BA (LAISTBA)
Integrated Studies, BS (LAISTBS)
International Letters and Cultures, BA (LASLCBA)
International Letters and Cultures (Arabic Studies), BA (LASLCASBA)
International Letters and Cultures (Classical Civilization), BA (LASLCVBA)
International Letters and Cultures (Classics), BA (LASLCCBA)
Italian, BA (LAITABA)
Jewish Studies, BA (LAJSTBA)
Justice Studies, BA (LAJUSBA)
Justice Studies, BS (LAJUSBS)
Mathematics, BA (LAMATBA)
Mathematics, BS (LAMATBS)
Mathematics (Secondary Education), BS (LAMATSBS)
Mathematics (Statistics), BS (LAMATTBS)
Microbiology, BS (LAMICBS)
Microbiology (Medical Microbiology), BS (LAMICMBS)
Molecular Biosciences and Biotechnology, BS (LAMBBBS)

Neuroscience, BS (LABMENBS)
Philosophy, BA (LAPHIBA)
Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)
Philosophy (Science, Nature and Mind), BA (LAPHISNMBA)
Physics, BA (LAPHYBA)
Physics, BS (LAPHYBS)
Physics (Secondary Education), BS (LAPHYSEBS)
Political Science, BA (LAPOSBA)
Political Science, BS (LAPOSBS)
Politics and the Economy, BS (LAPECBS)
Psychology, BA (LAPGSBA)
Psychology, BS (LAPGSBS)
Psychology (Psychological Science), BS (LAPGSPSBS)
Religious Studies (Religion, Culture and Public Life), BA (LARELCPBA)
Religious Studies (Religion, Politics and Global Affairs), BA (LARELPGBA)
Russian, BA (LARUSBA)
Sociology, BS (LASOCBS)
Spanish, BA (LASPABA)
Technological Leadership, BS (LATECLDRBS)
Transborder Chicana/o and Latina/o Studies, BA (LATCLBA)
Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)
Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)
Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)
Urban Planning, BSP (ARPUPBSP)

Nursing and Health Innovation, Edson College of
Applied Science (Health Entrepreneurship and Innovation), BAS (NUHCIBAS)
Community Health, BS (NUCHLTBS)
Health Care Compliance and Regulations, BS (NUHCCRBS)
Health Care Coordination, BS (NUHCCOBS)
Health Entrepreneurship and Innovation, BS (NUHCIBS)
Integrative Health, BS (NUIHLTBS)
Nursing, BSN (NUNURDBSN)

Public Service and Community Solutions, Watts College of
Applied Science (Emergency Management), BAS (PPEMGBAS)
Community Advocacy and Social Policy, BA (PPCASPBA)
Community Development, BA (PPCOMDEVBA)
Community Sports Management, BS (PPCSMBS)
Community Sports Management (Events), BS (PPCSMEBS)
Criminology and Criminal Justice, BS (PPCRIMJBS)
Criminology and Criminal Justice (Policing), BS (PPCRJPOLBS)
Emergency Management and Homeland Security, BS (PPEMHSBS)
Nonprofit Leadership and Management, BS (PPNLMBS)
Nonprofit Leadership and Management (American Indian Studies), BS (PPNLMAIBS)
Parks and Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)
Parks, Recreation and Sport Management, BS (PPPRMBS)
Public Service and Public Policy, BS (PPPAFBS)
Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)
Public Service and Public Policy (Business), BS (PPPAFBUBS)
Public Service and Public Policy (Criminology), BS (PPPAFCBS)

- Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)
- Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)
- Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS)
- Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)
- Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)
- Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)
- Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS)
- Public Service and Public Policy (Sustainability), BS (PPPAFSBS)
- Recreation Therapy, BS (PPRECTBS)
- Social Work, BSW (PPSWUSWU)
- Tourism Development and Management, BS (PPTDMBS)
- Tourism Development and Management (Meetings and Events), BS (PPTDMMEBS)
- Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS)
- Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)
- Tourism and Recreation Management, BS (PPTRMBS)
- Urban and Metropolitan Studies, BS (PPURBBS)

Teachers College, Mary Lou Fulton

- Applied Science (Early Childhood Studies), BAS (TEAPSECBAS)
- Early Childhood Education, BAE (TEECDEDBAE)
- Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)
- Education Exploratory,  (TEEDUEXPL)
- Educational Studies, BAE (EDSLSTBAE)
- Educational Studies (Early Childhood Studies), BAE (TEESECEBAE)
- Educational Studies (Instructional Design), BAE (TEEDUSTBAE)
- Elementary Education, BAE (TEEEDBAE)
- Elementary Education (Educating Multilingual Learners), BAE (TEDLLBAE)
- Elementary Education (Science, Technology, Engineering and Mathematics), BAE (TEESTEMBAE)
- Elementary Multilingual Education, BAE (TEEMLEBAE)
- Physical Education, BAE (TEPPEBAE)
- Secondary Education, BAE (TESEDBAE)
- Secondary Education (Biological Sciences), BAE (TEBIOBAE)
- Secondary Education (Chemistry), BAE (TECHMBAE)
- Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)
- Secondary Education (English), BAE (TEENGBAE)
- Secondary Education (History), BAE (TEHISBAE)
- Secondary Education (Mathematics), BAE (TEMATBAE)
- Secondary Education (Physical Education), BAE (ECPPEBAE)
- Secondary Education (Physics), BAE (EDPHYBAE)
- Secondary Education (Political Science), BAE (TEPOLBAE)
- Secondary Education (Spanish), BAE (TESPABAE)
- Special Education, BAE (TESPCEDBAE)
- Special Education (Visual Impairment), BAE (TESPEVIBAE)
- Special Education and Elementary Education, BAE (TESPEBAE)

University College

- Exploratory Health and Life Sciences,  (UCHSCIEXPL)
- Exploratory Humanities, Fine Arts and Design,  (UCHUFAEXPL)
- Exploratory Math, Physical Sciences, Engineering and Technology,  (UCEMTPEXPL)
- Exploratory Social and Behavioral Sciences,  (UCSBSEXPL)

# Graduate Programs

## Graduate Degrees and Certificates (Program Descriptions and Requirements)

## Business, W. P. Carey School of

### Accountancy and Data Analytics, MAcc (BAACCMACC)

**Online Degree Search Title:** Accountancy and Data Analytics, MACC
**Campus:** Tempe, ASU at Los Angeles

**Program Description:** The nine-month MAcc program is full-time, cohort-based and delivered by the School of Accountancy, highly ranked by the Public Accounting Report.

Infused with a data and analytics emphasis, the cutting-edge curriculum is structured to provide students with an in-depth working knowledge of advanced accounting topics that are most relevant in today's business environment and reviewed every year with input from accounting professionals and alumni. Esteemed faculty experts bring real-world experience into each class, giving the degree even more long-term value.

The Master of Accountancy and Data Analytics program is designed for individuals who want to immerse themselves in full-time graduate studies, take classes during the day and fulfill course requirements for the CPA exam in Arizona. Because of the quality of the Master of Accountancy and Data Analytics program, students gain the skills and knowledge needed to launch their accounting careers while opening the door to top hiring firms.

As a STEM-designated program, eligible graduates on student visas have access to an Optional Practical Training extension for up to 36 months. This longer work authorization term may help international students gain additional skills and experience in the U.S.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: W. P. Carey MBA - Full-Time Program

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Accountancy, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (ACC 512).
Required Core (3 credit hours)
ACC 586 Shareholder Value Creation and Financial Statement Analysis (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)
ACC 512 Advanced Auditing (3)

Additional Curriculum Information
Students should see the academic unit for an approved list of elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in accountancy from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they

must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of all coursework completed at institutions other than ASU
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short-answer question responses
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

Applicants must complete program prerequisites (https://wpcarey.asu.edu/masters-programs/accounting/academics?sort-by=last_name_asc#prerequisites) prior to admission to the program. Graduate-level accounting courses are only open to students admitted to the graduate program.

**Career Opportunities:** The Master of Accountancy and Data Analytics program includes the essential academic preparation for students who are interested in pursuing professional careers in public, corporate and governmental accounting, as well as consulting or financial planning.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states that employment for accountants and auditors is projected to grow 4 to 6 percent between 2018 and 2028.

Career examples include:

- accountant
- auditor
- budget analyst
- tax auditor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/accounting
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Business Administration (Accountancy), PHD (BAACCTPHD)

**Online Degree Search Title:** Accountancy, PhD
**Campus:** Tempe

**Program Description:** The PhD program in business administration with a concentration in accountancy develops students' capability to review, analyze, conduct and publish research.

The curriculum consists of a series of research seminars and theory-building and statistical coursework that supplement and complement students' abilities and desires. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the School of Accountancy.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Plan of Study
This program consists of 12 credit hours of dissertation and 72 credit hours of coursework and research. Students may not apply credit hours earned from a previously awarded doctoral degree from ASU or another institution toward their current ASU doctoral degree. However, at the

academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their study committees to determine an appropriate plan of study. Common areas of functional specialization include financial and managerial accounting, auditing and taxation. Within these functional areas, doctoral studies may emphasize experimental or archival research methods. All accountancy doctoral students are required to take a three-semester sequence of accountancy doctoral coursework. A maximum of 12 approved graduate credit hours may be transferred to satisfy program requirements.

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam; an oral exam may also be required, at the discretion of the academic unit.

Candidacy
Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements
Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit, such as 795 Continuing Registration, during the semester (including a summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policy and procedures for a Doctor of Philosophy.

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT scores
- portfolio
- letters of recommendation
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applications are initially reviewed by a School of Accountancy doctoral committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good match of students' goals and the school. Recommendations for action are then made to the director of doctoral programs in the W. P. Carey School of Business who, in turn, makes recommendations to Graduate Admission Services.

**Career Opportunities:** Graduates are prepared for careers at leading research universities. Career opportunities include:

- professor
- research professor
- researcher in accounting

**Contact Information:**
Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/accounting-degrees
BA 223Q

wpcareyacc@asu.edu
480-965-3631

## Business Administration (Agribusiness), PHD (BAAGRIPHD)

**Online Degree Search Title:** Agribusiness, PhD
**Campus:** Polytechnic

**Program Description:** The discipline of agribusiness applies theory and quantitative methods in economics, finance, marketing and management to issues involved in the production, distribution and marketing of food and fiber. Doctoral students of agribusiness are involved with research in the following:

- agribusiness management
- derivatives, commodity marketing and risk management
- food and fiber supply chain management
- food marketing
- food policy and promotion
- global agricultural trade and policy
- strategic marketing by food retailers

The interdisciplinary PhD program in business administration with a concentration in agribusiness produces scholars trained in the latest methods of business and economic analysis who can emerge on the forefront of problem-solving in a vital sector of the global economy. Agribusiness graduates are expected to assume teaching and research positions at top-ranked research universities.

This program is offered by the W. P. Carey School of Business and the Morrison School of Agribusiness.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Plan of Study
At least 30 credit hours (including research credit) of the approved doctoral program and 12 dissertation credit hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a previously awarded doctorate degree from ASU or another institution toward their current ASU doctorate. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Agribusiness doctoral students are expected to develop a program of study consisting of three elements. Students study core theory and quantitative methods coursework in economics and management from the Morrison School of Agribusiness as well as advanced courses in at least one of these areas in the W. P. Carey School of Business: economics, finance, marketing, supply chain management or management. Students also complete a three-course sequence of doctorate-level theory and methods from the Morrison School of Agribusiness as applied to issues and concepts specific to the agribusiness sector.

The agribusiness doctorate is designed to allow flexibility with focus, so each student's program of study is unique, but is designed to produce the highest level of research competency in the student's chosen area of interest.

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved program of study, the academic unit may initiate the student's comprehensive examination process. The comprehensive examination consists, at minimum, of a written exam, and at the discretion of the academic unit an oral exam may also be required.

Candidacy
Doctoral students are notified of achieving candidacy status in a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements
Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit, such as 795 Continuing Registration, during the semester (including summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policies and

procedures.

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- official GRE general exam or GMAT scores
- personal statement
- current curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Complete information on the English proficiency exams and other required documents can be found on the Graduate Admission Services (https://admission.asu.edu/international/graduate-apply) website.

Applicants must submit all the items listed above to complete an application file. Incomplete files will not be reviewed or considered until complete.

An explanation of the applicant's goals should be addressed in the personal statement.

Students should see the program website for application deadlines. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

**Career Opportunities:** Graduates of the doctoral program in business administration at America's largest public university have learned from thought leaders in their respective fields and benefitted from the university's tremendous resources. These graduates are fully prepared for careers in research and academia.

Careers opportunities include:

- data scientist
- economic consultant
- market analyst
- professor
- research economist

**Contact Information:**
Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/agribusiness-degrees/doctoral
SANTN 230
wpcarey.morrison@asu.edu
480-727-1586

## Business Administration (Business Analytics), MBA (BABUSANMBA)

**Online Degree Search Title:** Business Administration (Business Analytics), MBA
**Campus:** Tempe
ASU is not currently accepting applications for this program. Students interested in the business analytics concentration should apply directly to the full time W. P. Carey MBA program (https://degrees.apps.asu.edu/masters-phd/major/ASU00/BAFULLMBA/w-p-carey-mba---full-time-program).
**Program Description:** Students pursuing the W. P. Carey School of Business' MBA program gain a foundational understanding of how to use data to drive insights to solve business challenges or help capitalize on an opportunity.

The concentration program in business analytics seeks to capitalize on the explosion of data being captured and stored by organizations. The program extends the student's quantitative and analytical skills and assists in their discovery of how to derive value from data, so they can lead data-driven analyses and create a business advantage across markets and industries. Students develop skills in decision modeling, enterprise

systems, data mining, information security and analytical decision making.

**Degree Requirements:**
60 credit hours including the required capstone course (MGT 589).
Required Core (1.5 credit hours)
LES 582 Ethical Issues for Managers (1.5)

Concentration (12 credit hours)
CIS 505 Introduction to Enterprise Analytics (3)
CIS 508 Data Mining I (3)
SCM 518 Analytical Decision Modeling (3)
SCM 519 Quantitative Risk Management (3)

Electives or Research (43.5 credit hours)

Culminating Experience (3 credit hours)
MGT 589 Strategic Management (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer question responses
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, must be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

**Career Opportunities:** The Master of Business Administration program with a concentration in business analytics includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

Career examples include:

- business intelligence analyst
- computer database architect
- data analyst
- IT project manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/full-time
MCRD 352
wpcareymasters@asu.edu
480-965-3332

## Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)

**Online Degree Search Title:** Computer Information Systems, PhD
**Campus:** Tempe

**Program Description:** The Department of Information Systems offers a computer information systems concentration within the PhD in business administration. The full-time program prepares scholars for careers at leading research focused educational institutions.

This program allows doctoral students to participate in ongoing research projects in conjunction with faculty members in the department. Research topics include business analytics and big data, health care IT, IT-enabled services and process innovation, information economics and strategy, security and privacy, and social media and e-commerce and mobile platforms.

Business faculty and doctoral students present their research at leading national and international conferences and publish their research in academic journals. In addition to publishing in top information systems journals, doctoral students are often published in leading journals in other disciplines, including accounting, economics, finance, health care management, marketing, managerial decision-making, operations management and strategic management.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Plan of Study
The doctoral program consists of a minimum of 84 credit hours of graduate-level coursework beyond the bachelor's degree. A minimum of 42 credit hours of doctoral coursework and 12 credit hours of dissertation are required to be taken at Arizona State University's Tempe campus. At the department's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their program committees to determine an appropriate plan of study. Common areas of specialization for doctoral studies include:

- business analytics and big data
- health care information technology
- information economics and strategy
- IT-enabled services and process innovation
- security and privacy
- social media, e-commerce and mobile platforms

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examination. At minimum, the comprehensive examination consists of a minimum of a written exam, and an oral exam may also be required by the academic unit.

Candidacy
Doctoral students are notified of achieving candidacy status by receipt of a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements
Students are required to present a dissertation to satisfy the research requirement for the doctoral degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit, such as 795 Continuing Registration, during the semester, including summer session, in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policies and procedures.

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee

- official transcripts
- GMAT score
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants whose native language is not English must submit scores from the TOEFL. For more information on requirements, students should review the program's website. They should also review the Admission Services (https://admission.asu.edu/international/graduate-apply) website for specific ASU admission requirements.

A master's degree or MBA is recommended (30 credit hours may count toward the minimum total of 84 hours of coursework in the doctoral program). At least two years of full-time related work experience is recommended.

Doctoral students admitted to the W. P. Carey School of Business must have demonstrated competency in mathematics, strong quantitative ability, competency in the use of computer technology for analytical purposes, and an undergraduate degree in a related field from an accredited university.

Applications are reviewed by the department's faculty committee using a portfolio approach. The committee reviews each individual application and examine all parts equally.

**Career Opportunities:** A graduate of the doctorate in business administration with a concentration in information systems from the W. P. Carey School of Business is prepared for a career at leading research universities.

Career opportunity positions include:

- data scientist
- professor
- research professor

**Contact Information:**
Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/information-systems-degrees/doctoral
BA 301P
wpcareyis@asu.edu
480-965-3252

## Business Administration (Finance), PHD (BAFINANPHD)

**Online Degree Search Title:** Finance, PhD
**Campus:** Tempe

**Program Description:** The primary objective of the PhD program in business administration with a concentration in finance is to train students for careers as professors of finance at major research universities.

The program provides a challenging course of study in the most recent developments in both the theoretical and empirical aspects of financial economics. This course of study, along with work in economics and statistics, serves as preparation for the understanding and critical analysis of current issues in finance.

Students in the program learn from thought leaders in their respective fields and draw on the resources of America's largest public university. Doctoral students work with distinguished faculty who comprise one of the most productive research groups in the world. Recent surveys of research productivity rank the Department of Finance among the best in the world for research output in the top journals. The faculty produce cutting-edge empirical research in the areas of equity markets, corporate finance, organization structure, international finance, financial institutions and asset pricing. The program is relatively small, promoting faculty-student mentoring relationships; doctoral students receive personal attention.

The program seeks highly capable students with strong academic backgrounds and preferably with work experience.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Plan of Study
At least 30 credit hours of the approved doctoral degree program, which may include research credit, and 12 dissertation credit hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or at another institution toward this doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 relevant credit hours from a previously awarded master's degree toward their doctoral plan of study.

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of the comprehensive examination. At minimum, the examination consists of a written exam, and an oral exam also may be required by the academic unit.

Candidacy
Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements
Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or for one hour of appropriate graduate-level credit, such as 795 Continuing Registration, during the semester in which the student defends the dissertation, even if it is a summer session.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policy and procedures for the Doctor of Philosophy.

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three academic letters of recommendation
- scores from the GMAT or GRE
- a brief statement of their career objectives
- a resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The minimum TOEFL iBT requirement is a score of 80. An iBT score of 26 is required on the ASU Speaking Proficiency English Assessment Kit for applicants who wish to apply for teaching associateships.

Admission to the program is granted to applicants who present convincing evidence of high-order analytical skills, intellectual curiosity and the ability to work independently in pursuing scholarly research. Applicants should possess the intellectual curiosity and discipline required for original inquiry.

While many accepted students have an MBA or MS in a business-related field, others have a background in other areas, such as engineering, economics, mathematics or physics.

**Career Opportunities:** Graduates with a W. P. Carey School of Business doctorate in finance embark on careers in research and academia.

Careers opportunities include:

- assistant professor
- professor
- researcher

**Contact Information:**
Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/finance-degrees/doctoral
BAC 501

wpcareyfin@asu.edu
480-965-3131

## Business Administration (Information Systems Management), MBA (BAISMMBA)

**Online Degree Search Title:** Business Administration (Information Systems Management), MBA
**Campus:** Tempe
ASU is not currently accepting applications for this program. Students interested in the information systems management concentration should apply directly to the full time W. P. Carey MBA program (https://degrees.apps.asu.edu/masters-phd/major/ASU00/BAFULLMBA/w-p-carey-mba---full-time-program).
**Program Description:** In order to be effective business operators, students who graduate from the W. P. Carey School of Business' MBA program must be prepared with foundational knowledge of how to manage data and enterprise information. The information systems management concentration extends this foundational knowledge that all students receive by helping them build the additional technical skills needed by business professionals who aspire to work specifically in the information technology department of the enterprise.

The program educates students in the strategic use of technology to create shareholder value and provides them with an outstanding foundation of technical and managerial expertise. Students develop skills in enterprise modeling, database systems, electronic commerce, data warehousing and business process analysis.

Graduates of the information systems management concentration program are prepared to help shape organizations in a rapidly changing, globally competitive, technologically sophisticated environment.

**Degree Requirements:**
60 credit hours including the required capstone course (MGT 589).
Required Core (1.5 credit hours)
LES 582 Ethical Issues for Managers (1.5)

Concentration (9 credit hours)
CIS 502 Information Systems: Digital Innovations and Transformation (3)
CIS 510 Enterprise Processes and Systems (3)
CIS 545 Managing Enterprise Systems (3)

Electives or Research (46.5 credit hours)

Culminating Experience (3 credit hours)
MGT 589 Strategic Management (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer question responses
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, must be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

**Career Opportunities:** The Master of Business Administration program with a concentration in information systems management includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions

such as human resources, finance or marketing.

Career examples include:

- business intelligence analyst
- computer systems architect
- information security analyst
- IT project manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/full-time
MCRD 352
wpcareymasters@asu.edu
480-965-3332

## Business Administration (Management), PHD (BAMGMTPHD)

**Online Degree Search Title:** Management, PhD
**Campus:** Tempe

**Program Description:** Students in the PhD program in business administration with a concentration in management gain current and relevant knowledge of practice and theory from an esteemed faculty of world-class researchers and teachers in the Department of Management and Entrepreneurship, including multiple Academy of Management Fellows.

The doctoral program places primary emphasis on the development of research competence and also emphasizes teaching as a vehicle to academic professionalism. It is not intended for those seeking careers in industry or consulting.

The program develops scholars who are prepared to assume the diverse responsibilities of faculty positions at leading research universities. Although management is a broad field, this doctoral program is best suited for students interested in specializing in organizational behavior, strategic management or organization theory.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Plan of Study
At least 30 credit hours of the approved doctoral program, which may include research credit, and 12 dissertation credit hours must be completed after admission to the doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctorate program. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Doctoral students are required to commit full time to the program, at least until they have successfully defended the dissertation proposal. Full-time enrollment entails a minimum of six credit hours of coursework in any regular academic semester. To reach a total of 84 credit hours for the program, most students enroll for nine to 12 credit hours per semester. In addition, students work closely with faculty members through a research assistantship. The program is relatively small, with an emphasis on high quality, offering a great deal of individual attention and mentoring to students.

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam also may be required.

Candidacy
Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation proposal.

Dissertation Requirements
Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit during the semester (including summer sessions) in which the student defends the dissertation.

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT scores
- prior academic performance records
- three letters of recommendation
- a personal statement
- employment summary
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Graduate Admission Services admits or denies each applicant and notifies them in writing.

**Career Opportunities:** Graduates are prepared for careers at leading research universities. Possible career opportunities include:

- assistant professor
- professor
- researcher

**Contact Information:**
Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/management-degrees/doctoral
BA 318
wpcareymgt@asu.edu
480-965-3431

## Business Administration (Marketing), PHD (BAMARKPHD)

**Online Degree Search Title:** Marketing, PhD
**Campus:** Tempe

**Program Description:** Each doctoral student in the PhD program in business administration with a concentration in marketing receives a comprehensive, broad-based education in marketing concepts and research techniques.

All students complete a core curriculum yet tailor their work to achieve personal goals. Further, students at ASU have the ability to specialize in one of three research domains:

- consumer behavior
- quantitative marketing models
- service strategy

Students do not need to declare a specialization during the application process but, if known, applicants can indicate their intended specialized direction of study. It is expected that by the end of their first year, students will commit to one of these three domains.

This is a full-time program only and is not intended for people who want to work in industry positions. The program is typically completed in five years.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Plan of Study
At least 30 credit hours of the approved doctoral program, which may include research credit, and 12 dissertation credit hours must be completed after admission to the doctoral program. A student may not apply credit hours earned for a doctoral degree previously awarded at ASU or another

institution toward their current ASU doctorate program. However, at the academic unit's discretion, a student may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam also may be required.

Candidacy
Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation proposal.

Dissertation Requirements
Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit, such as MKT 795 Continuing Registration, during the semester in which the student defends the dissertation, including summer sessions.

Students should refer to the Graduate College policies and procedures (https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals) for detailed information regarding the university's doctoral degree requirements.

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years. Any exception must be approved by the supervisory committee and the dean of the Graduate College.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE scores
- prior academic performance records
- letters of recommendation
- a personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their residency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between the student's goals and research interests and those of the department. Recommendations for action are then made to Admission Services, which admits or denies each applicant and notifies them in writing.

**Career Opportunities:** Graduates of the doctoral program in business administration at America's largest public university have learned from thought leaders in their respective fields and benefitted from the university's tremendous resources. These graduates are fully prepared for careers in research and academia.

Careers opportunities include:

- assistant professor
- professor
- researcher

**Contact Information:**
Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/marketing-degrees/doctoral
BAC 460

wpcareymkt@asu.edu
480-965-3621

## Business Administration (Supply Chain Management), PHD (BASCMPHD)

**Online Degree Search Title:** Supply Chain Management, PhD
**Campus:** Tempe

**Program Description:** Supply chain management incorporates the core areas of logistics management, operations management and supply management.

The PhD in business administration with a concentration in supply chain management is a full-time residential program for students whose career goals are full-time university research and teaching. The curriculum guides students in conducting high-quality research and teaching at the university level.

Students are trained to develop the capability to recognize problems related to supply chain management and frame these problems into research questions, which are then addressed in a scholarly way, and they are required to review, analyze, conduct and publish research. They are prepared to do this through a series of doctoral seminars and research methods courses and by participating in active research projects. Students also develop their teaching skills through assignments as teaching assistants or instructors. Teaching assignments typically take place during the last two years of the program.

This program is designed to be completed in four years.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
The doctoral program requires the completion of coursework, the completion of academic papers for submission to journals, a comprehensive exam and a dissertation. The program is generally viewed as a four-year process. Most students serve in research assistantships for all four years. During the program, students are expected to actively participate in required courses as well as in seminars and presentations from colleagues, department faculty and visiting scholars.

Students also have the opportunity to teach courses during their doctoral program. Teaching assistantships typically are made available during the last two years of the program. This allows doctoral degree students to get research projects and manuscripts into the multiyear pipeline typical of accepted research articles. Through areas of excellence, centers and the faculty, the supply chain management program has special opportunities for industry-based research projects.

Coursework
The program consists of a minimum of 84 credit hours of approved graduate coursework beyond the bachelor's degree. The department requires doctoral students to take 48 credit hours of graduate coursework in residence at ASU during their first two years. The specific classes must be approved by faculty members in the students' areas of excellence. Students are also required to take 12 hours of research and 12 hours of dissertation credit. A maximum of 12 credit hours can be transferred from previous graduate coursework. Moreover, students' plans of study must be approved in advance by their program chair.

Academic Papers
Students are expected to work on academic papers for submission to journals during their doctoral program. Summer months are intended for manuscript writing for those students who have yet to successfully defend their dissertation proposals. At the end of each summer, all doctoral students are required to have at least one new manuscript ready for submission to a journal for publication. Faculty in the areas of excellence supervise manuscript planning and writing. The bulk of the writing is done during the summer by the students. Faculty in the students' areas of excellence evaluate the papers and provide detailed feedback and instructions for rewriting of papers.

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam also may be required.

Candidacy
Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements
Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit, such as 795 Continuing Registration, during the semester (including a summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policies and procedures (https://graduate.asu.edu/current-students/policies-forms-and-deadlines/policy-manuals).

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE scores
- prior academic performance records
- letters of recommendation
- a personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Recommendations for action are then made to Admission Services, which admits each applicant or denies their admission and notifies them in writing.

**Career Opportunities:** Graduates of the doctoral program in business administration at America's largest public university have learned from thought leaders in their respective fields and benefitted from the university's tremendous resources. These graduates are fully prepared for careers in research and academia.

Careers opportunities include:

- assistant professor
- professor
- researcher

**Contact Information:**
Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/supply-chain-management-degrees/doctoral
BA 446
wpcarey.scm@asu.edu
480-965-6044

## Business Analytics, MS (BABUSANMS)

**Online Degree Search Title:** Business Analytics, MS
**Campus:** Tempe, ASU at Los Angeles, Online

**Program Description:** Delivered by the highly ranked W. P. Carey departments of Information Systems and Supply Chain Management, the STEM-designated MS program in business analytics builds on the quantitative skills and knowledge needed to advance on the analytics career ladder.

Data is becoming vital to today's world, making business analytics specialists one of the most valuable careers. Students learn to extract value from data, lead data-driven projects and create an overall impact within business organizations. Students can choose from five specializations to deepen their focus in one specific area: big data, cloud computing and tech consulting, fintech, marketing analytics or supply chain analytics.

Two formats are available for the master's degree program. The first pathway is the nine-month full-time program, and it is designed for individuals who want to immerse themselves in full-time graduate studies. The second is the online delivery option in which students deepen their skills in business analytics and learn more about evolving topics in this field. This option is designed for busy working professionals seeking to continue working full-time while attending school.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

Los Angeles location
In Los Angeles, this program is not currently eligible for federal financial aid. Students seeking federal financial aid assistance or veterans interested in using GI Bill® benefits should consider another ASU campus.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Business Data Analytics, BS
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project courses (SCM 593 and CIS 593).
Required Core (6 credit hours)
CIS 508 Data Mining I (3)
SCM 517 Business Process Analytics (3)

Electives (21 credit hours)

Culminating Experience (3 credit hours)
CIS 593 Applied Project (1.5)
SCM 593 Applied Project (1.5)

Additional Curricular Information
For electives, students should consult the academic unit for a list of approved courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short-answer question responses
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department website.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-business-analytics/) for program descriptions and to request more information.

**Career Opportunities:** Graduates have the essential academic preparation required for roles that derive value from data and modeling, lead data-driven analyses and that create critical business advantages.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for business intelligence analysts is projected to grow between 7% and 10% between 2018 and 2028, faster than average.

Career examples include:

- business intelligence analyst
- computer database architect
- data analyst
- IT project manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/business-analytics
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Economics, PHD (BAECONPHD)

**Online Degree Search Title:** Economics, PhD
**Campus:** Tempe

**Program Description:** The PhD program in economics provides rigorous training in microeconomic theory, macroeconomic theory, applied economics and econometrics. Additionally, students may select a primary area of specialization for study:

- applied microeconomics
- econometrics
- economic theory
- environmental and resource economics
- financial economics
- macroeconomics

This full-time doctoral program prepares students for teaching and research positions at four-year institutions of higher education and for research positions in public agencies or private business organizations.

The program is relatively small in size, with about 45 doctoral students in residence at any time. This low student-to-faculty ratio affords greater faculty attention and mentoring than larger programs. Students become valued members of the department, involved in teaching, research and seminar activities.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
In addition to completing 60 credit hours beyond the bachelor's degree (30 credit hours beyond the master's degree) and 24 credit hours of research and dissertation, the doctoral student must accomplish five tasks:
- Meet the qualifying examination requirement.
- Present at least one area of emphasis.
- Pass the comprehensive examination (both written and oral components).
- Pass the dissertation proposal defense.
- Complete a dissertation with an oral defense.

Students should see the Department of Economics graduate student handbook for details concerning these tasks.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The Department of Economics requires applicants to send official scores from the GRE directly to Graduate Admission Services. Applications are not reviewed until the GRE scores are received.

The admission policy weighs several factors, including letters of reference, overall GPA, GRE scores and performance in selected mathematics and economics courses. There are no absolute standards for any of the factors, but performance on each should clearly suggest academic potential that is far above those of the normal undergraduate student.

Admission guidelines are available on the Graduate Admission Services website. Applicants should see the program website for application deadlines and admission terms.

**Career Opportunities:** Graduates with a W. P. Carey School of Business doctorate in economic embark on careers in research and academia, learning from thought leaders in their respective fields and gaining the resources of America's largest public university.

Career opportunities include:

- assistant professor
- economist
- research associate

**Contact Information:**
Business, W. P. Carey School of
Department of Economics
https://wpcarey.asu.edu/economics-degrees/doctoral
CPCOM 412
econ.phd@asu.edu
480-965-3531

## Finance, MS (BAFINMS)

**Online Degree Search Title:** Finance, MS
**Campus:** Tempe

**Program Description:** Students in the MS program in finance develop deep expertise in corporate finance and asset or portfolio management and are equipped with the tools needed to manage complex financial institutions. The program is one of the few advanced finance degrees offered by a top-ranked business school, providing a foundation in business and finance. Students have access to world-renowned faculty, motivated classmates and personalized career resources.

Faculty members bring cutting-edge research and decades of real-world experience into the classroom. Classes are offered full-time, during the week, utilizing a lock-step course format allowing students to build on concepts throughout the program. Upon completion of the program, students can graduate with a Chartered Financial Analyst® designation. The program offers two tracks in corporate finance and investments or analytical methods to help students align their degree with their career goals.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: W. P. Carey MBA - Full-Time Program

**Degree Requirements:**
32 credit hours including the required capstone course (FIN 575).
Required Core (26-27 credit hours)
ACC 502 Financial Accounting (2.5 or 3)
FIN 502 Managerial Finance (2.5 or 3)
FIN 509 Quantitative Methods in Finance I (3)
FIN 525 Investment Strategies (2.5)
FIN 530 Derivatives (2.5)
FIN 535 Quantitative Methods in Finance II (3)
FIN 545 Advanced Corporate Finance (2.5)
FIN 550 Fixed Income (2.5)
FIN 560 International Finance (2.5)
FIN 565 Risk Management in Banks and Financial Institutions (2.5)

Other Requirement (2.5 credit hours)
FIN 555 Entrepreneurial Finance (2.5) or FIN 591 Topic: AI and Machine Learning Applications in Finance (2.5)

Electives (0-1 credit hours)

Culminating Experience (2.5 credit hours)
FIN 575 Finance Capstone (2.5)

Additional Curriculum Information
To account for the difference in the numbers of credit hours offered in the core courses, one credit hour of electives may be required.

For other requirements, substitutions may be allowed with approval of the academic unit.

The schedule follows the seven-week quarterly schedule of the MBA program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or masters degree from a regionally accredited institution in business and management, economics, statistics, computer science or other types of science, engineering, technology and mathematics degree areas.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- short answer question responses
- current resume
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

There are two main audiences for the master's degree program: first, recent undergraduates from business, economics or related majors or from programs where quantitative skills have been emphasized; and second, career advancers who have strong quantitative skills and seek to adapt those skills to be more competitive in the job market. Career advancers must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.

This program is appropriate for students who have completed undergraduate programs with quantitative underpinnings, at either ASU or other universities.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

**Career Opportunities:** The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for financial analysts is

projected to grow 4 to 6 percent between 2018 and 2028.

The Master of Science program in finance includes the essential academic preparation for students who are interested in pursuing professional careers in corporate finance, risk management, money management, financial planning, investment banking, consulting or real estate.

Career examples include:

- budget analyst
- financial analyst
- financial manager
- investment specialist

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/finance
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Global Financial Management, DBA (BAGFMDBA)

**Online Degree Search Title:** Global Financial Management, DBA
**Campus:** Tempe

**Program Description:** China is globalizing at an astonishing rate. This pace of change is profoundly affecting not only China's domestic situation but also the global economy.

The DBA in global financial management is an applied professional doctorate designed for senior corporate leaders and government officials in China seeking a terminal degree alternative to the traditional doctorate intended for those pursing an academic career. The leaders emerging from this program are prepared to transform China's economic structure, its financial markets, and shape the future of China's leadership roles in the global economy.

All such initiatives depend on the development of human capital, for it is the catalyst for all. Hence, the Doctor of Business Administration program is designed to sustain and amplify leaders who aspire to affect transformative changes in this exciting and dynamic global environment.

This program is offered by the W. P. Carey School of Business and Shanghai Advanced Institute of Finance.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (12 credit hours)
DBA 702 Global Financial Systems: Markets and Institutions (3)
DBA 703 Global Financial Systems-Institutional Investing (3)
DBA 705 Global Corporate Strategy (3)
DBA 708 Challenges of Corporate Finance and Governance (3)

Electives (51 credit hours)

Research (9 credit hours)

Culminating Experience (12 credit hours)
DBA 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned from a regionally accredited college or university of recognized standing a degree of Master of Business Administration, Master of Economics, Master of Finance, Master of Accountancy or a related field of specialization in business.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Additional Application Information
Proficiency in English is not required.

Official bachelor's and master's degree transcripts should be submitted listing all coursework in both the native language and in an official English translation.

This degree is offered in China only. All applicants are required to contact the program coordinator before submitting the online graduate admission application.

**Career Opportunities:** The program is essential academic preparation for those interested in pursuing professional careers as leaders within organizations, in diverse functions such as human resources, finance and marketing.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/china-programs/dba-china
BA 304C
WPCareydba@asu.edu
480-965-1870

## Global Logistics, MS (BAGLSMS)

**Online Degree Search Title:** Global Logistics, MS
**Campus:** West

**Program Description:** Classes for the MS in global logistics are offered in a full-time, weekday format.

The curriculum, with courses offered during the day, provides specialized knowledge and practical perspectives on global operations, logistics and multicultural approaches. Students build a foundation for a growing global field through curriculum developed by one of the leading supply chain management departments in the country. They can choose between two unique tracks in logistics management or business analytics to customize their degree for their career goals.

Students in this program have access to world-renowned faculty, motivated classmates and personalized career resources.

A recent $15 million investment by the W. P. Carey Foundation in career services provides students with an opportunity to meet with a wide range of employers along with excellent career coaches and the tools to help students thrive in their careers.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

**Degree Requirements:**
30 credit hours including the required applied project course (SCM 593).
Required Core (24 credit hours)
SCM 502 Operations and Supply Chain Management (3)
SCM 515 Decision Models for Supply Chain Management (3)
SCM 516 Descriptive and Predictive Supply Chain Analytics (3)
SCM 520 Strategic Procurement (3)
SCM 532 Supply Chain Cost and Design Issues (3)
SCM 541 Logistics in the Supply Chain (3)
SCM 542 Logistics, Globalization, and Economic Development (3)
SCM 545 Cases in Global Logistics (3)

Other Requirements (3 credit hours)
SCM 587 Project Management (1.5)
SCM 591 Seminar: Sustainability and Social Responsibility (1.5)

Culminating Experience (3 credit hours)

SCM 593 Applied Project (3)

Additional Curriculum Information
The schedule follows a combination of ASU scheduling options. Three courses follow schedule C and have a semester-long duration. The other seven courses follow the 7.5-week quarterly schedule of the MBA program. Those courses require some online and extra class time to meet the 40 contact hours standard of The Association to Advance Collegiate Schools of Business.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in business and management, computer information systems, economics or other types of global studies or similar degree areas.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- essays
- GMAT or GRE test scores
- one letter of recommendation
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

There are two main audiences for the master's degree program: recent undergraduates from logistics-related majors and career advancers with a background in supply chain management and operations whose skills can be expanded to include a broader global context and exposure to emerging markets. Students must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.

This program is appropriate for applicants who have strong quantitative skills and seek to adapt those skills to be more competitive in the job market.

All applicants must submit either the GMAT or GRE. For more information on GMAT, students should visit https://www.mba.com/ (https://www.mba.com/). For GRE, they should see https://www.ets.org/gre.html (https://www.ets.org/gre.html). Applicants should expect to score above 600 on the GMAT to be competitive.

There is no requirement for a foreign language exam for this program.

**Career Opportunities:** Graduates are prepared for the growing field of global logistics, possessing the essential academic preparation for pursuing a professional career with an international perspective in logistics, supply chain and global operations.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for logistics managers is projected to grow 4 to 6 percent between 2018 and 2028.

Career examples include:

- logistics analyst
- logistics manager
- supply chain analyst
- transportation manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/global-logistics
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Information Systems Management, MS (BAINFOMS)

**Online Degree Search Title:** Information Systems Management, MS

**Campus:** Tempe

**Program Description:** The STEM-designated MS program in information systems management is consistently ranked top 15 in the nation by U.S. News & World Report.

Building off a rigorous core curriculum, students use the degree specializations to deepen their problem-solving and, ultimately, leadership skills.

Students can choose a focus in data analytics, cloud or tech consulting to add greater value to their degree and to align it with their career goals.

Through the latest techniques and methodologies, hands-on experience and relevant case studies, students discover how digital innovations, data analytics and information systems are transforming business.

With the STEM-designation, the master's degree program in information systems management allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional real-world skills and experience in the U.S.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Legal Studies, MLS
W. P. Carey MBA - Full-Time Program

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Information Systems, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (CIS 575).
Required Core (3 credit hours)
CIS 525 Strategic Value of Information Technology (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)
CIS 575 Emerging Technologies (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- short-answer question responses
- two letters of recommendation
- GMAT or GRE test scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Complete application instructions may be obtained from the department's website.

**Career Opportunities:** The Master of Science program in information systems management includes the essential academic preparation for students who are interested in pursuing professional careers in diverse industries, utilizing skills in big data, cloud and tech consulting.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states employment for IT project managers is projected to grow 7 to 10 percent between 2018 and 2028.

Career examples include:

- business intelligence analyst
- computer systems architect
- information security analyst
- IT project manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/information-management
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Innovation and Venture Development, MS (HIIVDMS)

**Online Degree Search Title:** Innovation and Venture Development, MS
**Campus:** Tempe

**Program Description:** The MS program in innovation and venture development integrates the most advanced practices and technologies from business, engineering and design in a transdisciplinary, experience-based program that prepares the next generation of leaders with skills needed for launching successful ventures in any industry or sector, inside existing organizations or as new entities.

Graduates are prepared to lead cross-disciplinary teams in a world of growing uncertainty and ambiguity. They can identify needs and evaluate opportunities, generating insights from real-world problems; innovate solutions; and create and launch scalable business models that provide value to all stakeholders. Founders with this innovation and venture development degree from ASU can define a new standard for venture development.

**Degree Requirements:**
30 credit hours including the required capstone course (IVD 661).
Required Core (18 credit hours)
IVD 525 Fundamentals of Entrepreneurial Leadership (3)
IVD 560 Innovation Studio I: Discovery and Insight (3)
IVD 561 Innovation Studio II: Problem Reframing (3)
IVD 562 Innovation Studio III: Explore, Fail, Solve (3)
IVD 630 Scaling Entrepreneurial Leadership (3)
IVD 660 Innovation Studio IV: Business Model (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)
IVD 661 Innovation Studio V: Scale (6)

Additional Curriculum Information
Students should see the academic unit for a list of approved elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College, the Herberger Institute for Design and the Arts, the Ira A. Fulton Schools of Engineering and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in business, design, engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee

- official transcripts
- professional resume
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The applicant's written statement should describe an instance from the professional background outlining the applicant's use of innovation and entrepreneurial experience.

**Career Opportunities:** Career opportunities include:

- chief innovation officer
- creative developer
- director of engineering
- founder or CEO
- innovation manager
- management consultant
- marketing director
- product developer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Dean, Herberger Institute for Design and the Arts
https://design.asu.edu/
CDN 162
msivd@asu.edu
480-965-3536

## Management, MS (BACMRMS)

**Online Degree Search Title:** Management, MS
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** Arizona State University's MS in management, offered by the W. P. Carey School of Business, is an innovative business degree program providing new liberal arts, science, engineering and other nonbusiness graduates with the intellectual and professional skills needed to succeed in today's business environment. This one-year program is designed to develop critical thinking skills, as applied to fundamental business procedures and processes, and leadership skills.

Designed for graduates of nonbusiness programs with fewer than two years of work experience, students achieve the capability and motivation to rapidly progress in any profession where business plays an important role. The management program differs substantially from a traditional MBA program in that no work experience is required for admission and the coursework is completed in one year, giving a broad overview of the essentials of managerial decision-making.

Three distinct components of the Master of Science program in management prepare students to immediately add value and lead in all types of business environments: core business courses that deliver necessary business skills through integrative cases, project-based learning and teamwork; leadership courses that develop understanding of strategic vision, instituting change, information systems, and the role and importance of sustainability; and a culminating experience that bridges the gap between academic learning and real-world business application.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: Legal Studies, MLS

**Degree Requirements:**
36 credit hours including the required applied project course (MGT 593).
Required Core (28.5 credit hours)
ACC 501 Fundamentals of Financial Accounting (1.5)
ACC 504 Fundamentals of Managerial Accounting (1.5)
ECN 504 Fundamentals of Managerial Economics (3)
FIN 501 Basics of Finance: The Art of Managing Resources to Create Value (3)
LES 586 Fundamentals of Ethical Issues for Managers (1.5)

MGT 501 Fundamentals of Organizational Behavior (3)
MGT 528 Basics of Mastering the Art of Influence and Negotiations (3)
MGT 586 Fundamentals of Strategic Management (1.5)
MKT 501 Fundamentals of Marketing Management (3)
SCM 501 Fundamentals of Operations and Supply Chain Management (3)
SCM 587 Project Management (1.5)
WPC 504 Fundamentals of Statistics for Managers (3)

Other Requirements (3 credit hours)
MGT 591 Topic: Business Communication (1.5)
WPC 594 Topic: Job Search Strategies (1.5)

Culminating Experience (4.5 credit hours)
MGT 593 Applied Project Consulting Project Capstone (3) AND
MGT 593 Applied Project Consulting Project Lab (1.5)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.0 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE or GMAT test scores
- one letter of recommendation
- current resume
- short-answer question responses
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

**Career Opportunities:** The Master of Science in management includes the essential academic preparation for students who are interested in pursuing professional careers in diverse roles and industries, focusing on practical, universal business knowledge.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states that management analysts will have a much faster than average growth between 2018 and 2028 at 11% or higher.

Career examples include:

- human resources specialist
- logistics manager
- marketing associate
- sales manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Management, MS (BAMCCMS)

**Online Degree Search Title:** Management in China/Corporate, MS

**Campus:** Tempe

**Program Description:** The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. The MS custom corporate program in China is designed for participants of a single company in China. Upon successful completion of the program curriculum, a participant is granted an ASU Master of Science degree in management through the W. P. Carey School of Business.

The curriculum is designed to leverage participants' existing strengths in a chosen management concentration and it provides intensive knowledge on managerial decision-making and strategic formulation. Accordingly, the curriculum is designed with a strong transdisciplinary focus while achieving cycle time efficiency. At the core of the curriculum delivery is emphasis on practical applications with direct business connectivity. A noteworthy feature of the curriculum is its integration of global practices and local market characterizations to enable participants' ability to excel in the modern economy.

The hallmarks of prestigious programs include two key elements: the faculty and the students. No other master of science program in China offers a more impressive list of faculty or students than the W. P. Carey China program. The faculty includes renowned faculty from the W. P. Carey School of Business as well as from other prestigious American business schools.

**Degree Requirements:**
36 credit hours including the required capstone course (MGT 588).
The curriculum consists of 12 courses, concentrating on management. It is a world-class master's degree program with immersion in financial accounting, managerial finance, statistics and economics, marketing management, organizational theory and behavior, human resources management, supply chain management and information technology management.

All students must successfully complete the comprehensive requirement for Master of Science graduates established by the W. P. Carey School of Business and the Graduate College. As a lock-step program, there are no opportunities for participants to make up missed courses or to substitute courses. Therefore, students must complete all 12 courses before graduation with a grade of "B" or higher (3.00 on a 4.00 scale) for each course to satisfy the comprehensive requirement. A thesis is not required.

**Admission Requirements:** The Master of Science custom corporate program in China requires that students be nominated into the program by the company, and it is only delivered in China. Applicants are required to contact the program coordinator before submitting the online graduate admission application.

**Career Opportunities:** The Master of Science in management program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/international-programs/china/english
MCRD 375DD
Pingping.Yao@asu.edu ; Hannah.Habibi@asu.edu
480-965-4203

## Real Estate (Certificate), Certificate (BAREAGRCT)

**Online Degree Search Title:** Real Estate (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The real estate graduate certificate program encompasses foundational courses in real estate education including valuation, investment, finance, law and development. The curriculum includes a culminating experience that partners classroom knowledge with experiential learning to further develop the requisite skills students need to succeed as real estate professionals in the built environment.

The program is intended to supplement students' major area of study and provide the understanding necessary for critical thinking and application within the field of real estate. The certificate does not apply to any outside licensing programs.

**Degree Requirements:**
16 credit hours including the required capstone course (RED 514).
Required Core (2 credit hours)
RED 510 Real Estate Development Business and Project Management (2)

Electives (11 credit hours)

Culminating Experience (3 credit hours)
RED 514 Synthesis Project #2 Income Property Development (3)

Additional Curriculum Information
Students should see the academic unit for approved elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in law, architecture, landscape architecture, urban design, construction, civil engineering, marketing, geography, planning, finance, real estate or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** The skills and knowledge students gain in the real estate certificate are applicable to a variety of career opportunities throughout real estate such as law, architecture, urban design, marketing, planning and more.

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/real-estate-development
MCRD 150
wpcareymasters@asu.edu
480-965-8517

## Real Estate Development, MREDev (ARREMREDEV)

**Online Degree Search Title:** Real Estate Development, MRED
**Campus:** Tempe

**Program Description:** Students participating in the W. P. Carey MRED program participate in group projects focused on real estate development in a collaborative class environment. Students learn to address the physical, legal, economic, political and financial conditions of property in order to find solutions and complete projects.

This transdisciplinary program is a partnership with the Sandra Day O'Connor College of Law, the Herberger Institute for Design and Arts and the Del E. Webb School of Construction.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: Legal Studies, MLS

**Degree Requirements:**
36 credit hours including the required capstone course (RED 515).
While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The program is offered in an intense format covering two academic semesters. Students take required core course modules in a variety of formats, including:

- comprehensive module exams to assess aggregate knowledge

- face-to-face classroom instruction
- group work
- independent research
- synthesis projects
- topical quizzes
- weekly assignments

The business school does not accept graduate credits earned while students are in nondegree status or from courses taken prior to admission to the program or taken while enrolled in another program outside the W. P. Carey School of Business.

There is no foreign language requirement.

There is no thesis requirement.

All students must successfully complete the final synthesis project requirement established by the W. P. Carey School of Business and the Graduate College for the Master of Real Estate Development. The comprehensive culminating experience is integrated with RED 515 Capstone Project: Mixed Use Property Development. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the culminating experience requirement.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of all coursework completed at institutions other than ASU
- one letter of recommendation
- current resume
- short answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

**Career Opportunities:** The Master in Real Estate Development program includes the essential academic preparation for students who are interested in pursuing professional careers in corporate finance, risk management, money management, financial planning, investment banking, consulting or real estate.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment in Real Estate is projected to grow 7 to 10 percent between 2018 and 2028, faster than average.

Career examples include:

- financial analyst
- real estate broker
- real estate manager
- regional planner

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs

https://wpcarey.asu.edu/masters-programs/real-estate-development
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Supply Chain Management, MS (BASCMMS)

**Online Degree Search Title:** Supply Chain Management, MS
**Campus:** Online

**Program Description:** Students discover the technical elements of supply chain and learn how to manage the flow of products and the processes that generate them.

The MS program in supply chain management provides students an understanding of the role the supply chain manager can play in an enterprise supply chain and in the overall strategy. The program exposes them to leading supply chain management operating practices, analysis methods, technology applications and strategy development.

**Degree Requirements:**
30 credit hours including the required capstone course (SCM 551).
Required Core (3 credit hours)
SCM 520 Strategic Procurement (3)

Electives or Research (24 credit hours)

Culminating Experience (3 credit hours)
SCM 551 Operations Planning and Execution (3)

Additional Curriculum Information
Students choose elective and research coursework from a restricted list. Students should see the academic unit for the approved course list. Other coursework may be use with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W.P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in business, engineering or sciences (such as math or statistics) or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

To be eligible for this program, applicants must have successfully completed (scored 80% or better) the MITx MicroMasters® program in Supply Chain Management. https://www.edx.org/micromasters/mitx-supply-chain-management (https://www.edx.org/micromasters/mitx-supply-chain-management)

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- letter of recommendation
- letter of intent or written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Complete application instructions may be obtained from the department's website.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/supply-chain-management-ms/) for program descriptions and to request more information.

**Career Opportunities:** This program includes the essential academic preparation for those who are interested in pursuing professional careers in purchasing and procurement, operations or logistics. Graduates are prepared for advancement in supply chain management careers across diverse industries and functions and for pursuit of careers in management, consulting, business development and supply chain management information technology.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for supply chain managers is projected to grow 4 to 6 percent between 2018 and 2028.

Career examples include:

- logistics manager
- purchasing analyst
- supply chain analyst
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
Department of Supply Chain Management
https://wpcarey.asu.edu/masters-programs
BA 445
wpcareymasters@asu.edu
480-965-3332

## Supply Chain Management (certificate), Certificate (BASCMCERT)

**Online Degree Search Title:** Supply Chain Management (Graduate Certificate)
**Campus:** Online
ASU is not currently accepting applications for this program.
**Program Description:** The certificate program in supply chain management is composed of courses with content that is tightly integrated and offers a comprehensive coverage of core topics in supply chain management.

The intended audiences for this certificate include working professionals who are graduates of general management undergraduate or graduate business programs who wish to supplement their degrees with focused, graduate-level courses in supply chain management. Students are either relatively new to supply chain management and desire a foundational knowledge of supply chain management complexities as well as a strong understanding of how companies leverage their supply chains to achieve competitive advantage, or they are experienced supply chain management professionals who wish to update their knowledge of current thinking and best practices through interaction with faculty engaged in broad-based research and consulting.

**Degree Requirements:**
15 credit hours including the required capstone course (SCM 532).
Required Core (12 credit hours)
SCM 502 Operations and Supply Chain Management (3)
SCM 520 Strategic Procurement (3)
SCM 521 Supply Management and Negotiation (3)
SCM 541 Logistics in the Supply Chain (3)

Culminating Experience (3 credit hours)
SCM 532 Supply Chain Cost and Design Issues (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- evidence of a minimum of two years of full-time work experience
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** The certificate program in supply chain management includes the essential academic preparation for students who are interested in pursuing professional careers in purchasing and procurement, operations or logistics.

The U.S. Bureau of Labor Statistics Occupational Outlook (2019) states, employment for supply chain managers is projected to grow 4 to 6 percent

between 2018 and 2028.

Career examples include

- logistics manager
- purchasing analyst
- supply chain analyst
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/supply-chain-management-degrees
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Supply Chain Management and Engineering, MS (BASCMEMS)

**Online Degree Search Title:** Supply Chain Management and Engineering, MS
**Campus:** Online
ASU is not currently accepting applications for this program.
**Program Description:** The MS in supply chain management and engineering is a two-year, 30 credit hour program for working professionals in supply chain management, industrial engineering or a related field.

The program consists of 15 credit hours of courses from the Department of Supply Chain Management in the W. P. Carey School of Business and 15 credit hours from the industrial engineering program in the School of Computing and Augmented Intelligence in the Ira A. Fulton Schools of Engineering.

Most students have an undergraduate degree in a technical field, such as business, engineering or science. The objective is twofold: to provide students with knowledge of the fundamental foundations across the full spectrum of supply chain management functions and to provide them with the ability to use state-of-the-art engineering tools to analyze, control and optimize modern supply chains.

**Degree Requirements:**
30 credit hours including the required applied project course (SCM 593).
Required Core (27 credit hours)

Culminating Experience (3 credit hours)
SCM 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- GMAT or GRE test scores
- personal statement
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The W. P. Carey School of Business and the Ira A. Fulton Schools of Engineering seek exceptional individuals who are working supply chain professionals or are in closely related fields. Applicants must be highly motivated and have strong intellectual capabilities. The admission committee looks for outstanding academic credentials, character qualities such as maturity, integrity and leadership, and diversity in perspectives and experiences.

**Career Opportunities:** The Master of Science program in supply chain management and engineering includes the essential academic preparation for students who are interested in pursuing professional careers in purchasing professional and procurement, operations or logistics.

The U.S. Bureau of Labor Statistics Occupational Outlook (2019) states, employment for supply chain managers is projected to grow 4 to 6 percent between 2018 and 2028.

Career examples include:

- logistics manager
- purchasing analyst
- supply chain analyst
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Taxation and Data Analytics, MTax (BATAMTAX)

**Online Degree Search Title:** Taxation and Data Analytics, MTax
**Campus:** Tempe

**Program Description:** The nine-month MTax program is delivered by the W. P. Carey School of Accountancy and is highly ranked by the Public Accounting Report. The cutting-edge curriculum is structured to provide students with an in-depth working knowledge of the highly technical and demanding skills required to provide tax and business advice in the private and public sectors. Esteemed faculty experts bring real-world experience into each class, giving the degree even more long-term value. Students gain preparation for their career through case-based courses and team assignments.

Students dive into taxation in greater depth. Five of the 10 courses are technical, with small classes and personalized instruction.

The Master of Taxation and Data Analytics program is designed for individuals who want to immerse themselves in full-time graduate studies, taking classes during the day to fulfill course requirements for the CPA exam in Arizona. Because of the quality of the Master of Taxation and Data Analytics program, students gain the skills and knowledge needed to launch their careers, while opening the door to top hiring firms.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: W. P. Carey MBA - Full-Time Program

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Accountancy, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (ACC 589).
Required Core (3 credit hours)
ACC 571 Taxation of Corporations and Shareholders (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)
ACC 589 International Taxation (3)

Additional Curriculum Information
The Master of Taxation and Data Analytics program is a nine-month, full-time, lock-step program that offers classes during the day and is completed in one academic year. Applicants must complete program prerequisites prior to admission to the program. Students should refer to the W. P. Carey School of Business graduate programs website for a current listing of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- answers to short-answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

In addition to the ASU graduate admission application, applicants also must submit all supplemental application materials required by the W. P. Carey Graduate Programs Office. Complete application instructions may be obtained from the department's website.

**Career Opportunities:** The Master of Taxation and Data Analytics program includes the essential academic preparation for students who are interested in pursuing professional careers in public, corporate and governmental in tax and auditing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states that employment for financial analysts is projected to grow between 4 and 6 percent between 2018 and 2028.

Career examples include:

- budget analyst
- revenue agent
- tax auditor
- tax preparer

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/taxation
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BACORPMBA)

**Online Degree Search Title:** W. P. Carey MBA - Custom Corporate Program
**Campus:** ASU at Mexico City

**Program Description:** The custom corporate MBA program is designed for participants from a single company. Participants are nominated to attend the program by their company and receive a solid core curriculum with optional specializations.

The custom corporate Master of Business Administration program offers flexible part-time delivery modes using online, in-person and blended courses. Possible features that can be incorporated into the custom programs are company-specific applied projects, guest teaching from corporate leaders and intensive residential sessions.

**Degree Requirements:**
42 credit hours including the required capstone course (MGT 589).
The custom corporate MBA program requires that students be nominated into the program by the sponsoring company.

**Admission Requirements:** Applicants must submit the graduate admission application, meet Graduate College admission requirements, and meet the guidelines established by the custom corporate Master of Business Administration program.

**Career Opportunities:** The Master of Business Administration program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/custom-corporate
MCRD 460
wpcarey.execed@asu.edu
480-965-7579

## W. P. Carey MBA, MBA (BAEVEAMBA)

**Online Degree Search Title:** W. P. Carey MBA - Fast-Track Program
**Campus:** Tempe, Online

**Program Description:** The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business disciplines and to develop the analytic capabilities, decision-making and leadership skill sets essential for making sound business decisions.

The curriculum is delivered in a case-based, team-oriented and discussion-style learning environment. Elective courses provide additional depth and breadth to enhance the student's area of emphasis, knowledge base and career goals.

The fast-track Master of Business Administration is perfect for working professionals who need an MBA to advance in their careers. Classes are held two nights a week --- with online courses also available --- allowing students to graduate with an MBA in 12 to 18 months, depending on the student's incoming discipline.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

**Degree Requirements:**
30 credit hours including the required capstone course (MGT 589).
Required Core (3 credit hours)
LES 582 Ethical Issues for Managers (3)

Electives and research (24 credit hours)

Culminating Experience (3 credit hours)
MGT 589 Strategic Management (3)

Additional Curriculum Information
While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a

graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge and skills. Elective courses build upon the business core and center on the further development of an optional area of emphasis. There may be additional requirements that vary by area of emphasis.

All students must successfully complete the comprehensive exam requirement established by the school of business and the Graduate College for the Master of Business Administration. The comprehensive exam is integrated with the MGT 589 Strategic Management capstone course culminating experience. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- current resume
- essays
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

In addition to having two years of work experience, successful applicants for the fast-track MBA have earned a master's degree in a specific business discipline. If the previously earned master's degree is not from an AACSM-accredited school, GRE or GMAT test scores may be requested from applicant.

Applicants should see the department's website for more information.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/new/online-degree-programs/graduate/master-business-administration/a/) for program descriptions and to request more information.

**Career Opportunities:** The Master of Business Administration program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions such as human resources, finance or marketing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for business managers is projected to grow between 4 and 11 percent between 2018 and 2028.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BAEVENMBA)

**Online Degree Search Title:** W. P. Carey MBA - Evening Program
**Campus:** Tempe

**Program Description:** The W. P. Carey School of Business MBA program provides a solid foundation in the core business disciplines; students develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. Through a comprehensive business curriculum taught by world-renowned faculty, the W. P. Carey evening Master of Business Administration program enhances students' current strengths and helps them immediately impact their organizations.

Students can personalize their Master of Business Administration through evening and online classes while earning their degree in two to four years. The curriculum is delivered in a case-based, team-oriented and discussion-style learning environment. Elective courses provide additional depth and breadth to enhance an area of emphasis, students' knowledge base and career goals.

The evening Master of Business Administration program is designed for working professionals seeking to continue working full time while attending school. The program starts in August and can be completed in 21 months, depending on course formats.

A W. P. Carey Master of Business Administration stands apart from many part-time MBA programs that offer a core business curriculum with very little specialization. With more than 20 electives and options to add concurrent degrees, students can fit their Master of Business Administration with their passions, and pursue a degree at the same time. The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: Legal Studies, MLS

**Degree Requirements:**
48 credit hours including the required capstone course (MGT 589).
Required Core (3 credit hours)
LES 582 Ethical Issues for Managers (3)

Electives (42 credit hours)

Culminating Experience (3 credit hours)
MGT 589 Strategic Management (3)

Additional Curriculum Information
While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an area of emphasis. There may be additional requirements that vary by area of emphasis. The program is completed in 21 months.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- current resume
- short-answer question responses
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Applicants should see the department's website for more information.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students, with more than 50 program opportunities on seven continents. Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning. More information can be found on the Global Education website (https://goglobal.asu.edu/students/graduate-students).

**Career Opportunities:** The Master of Business Administration program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions, such as human resources, finance or marketing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for business managers is projected to grow between 4 and 11 percent between 2018 and 2028.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/part-time
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BAEXECMBA)

**Online Degree Search Title:** W. P. Carey MBA - Executive Program
**Campus:** Tempe

**Program Description:** The executive MBA program is designed for senior leaders with increasing responsibility managing people, projects and budgets.

The W. P. Carey School of Business Master of Business Administration program provides a solid foundation and knowledge base in the core business disciplines and develops the analytic capabilities and decision-making and leadership skill sets required to effectively integrate decisions into the business environment. Students learn how to refine their management skills and contribute more substantially to their organization and society.

Classes meet one weekend per month on campus, convenient for travel from within Arizona and surrounding states. A summer experience in Washington, D.C. and an international practicum help students see the world of business in a new way. The executive Master of Business Administration is completed in 21 months and is supported by each of the eight academic units within the W. P. Carey School of Business. The comprehensive approach equips students with:

- the fundamentals of business and the confidence to see projects to completion
- a data-driven mindset
- strategic leadership skills and exposure
- the understanding of public policy here and abroad

**Degree Requirements:**
48 credit hours including the required capstone course (MGT 589).
Required Core (1.5 credit hours)
LES 582 Ethical Issues for Managers (1.5)

Electives and Research (43.5 credit hours)

Culminating Experience (3 credit hours)
MGT 589 Strategic Management (3)

Additional Curricular Information
While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or from courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside of the W. P. Carey School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The executive curriculum must be taken in the prescribed sequence and is augmented by a series of lectures on thought leadership and off-site learning programs, including a business and public policy course in Washington, D.C. An additional off-site course exploring issues and strategies in the global business environment is held in partnership with an international business school. The program is completed in 21 months.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- current resume
- two letters of recommendation
- answers to short-answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, will be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

**Career Opportunities:** The Master of Business Administration includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions, such as human resources, finance or marketing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for business managers is projected to grow between 4 and 11 percent between 2018 and 2028.

Career examples include:

- CEO
- finance manager
- marketing manager

- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/executive
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BAFULLMBA)

**Online Degree Search Title:** W. P. Carey MBA - Full-Time Program
**Campus:** Tempe

**Program Description:** Highly ranked by U.S. News & World Report, the full-time MBA program meets the rapid changes and new realities in business and prepares students to be adaptable in the face of the uncertainty and ambiguity of a rapidly changing global economy. This program prepares students for immediate success through a cutting-edge curriculum, dedicated career services and a supportive community.

In tandem with rethinking the way the world does business, the W. P. Carey School of Business is rethinking the way business is taught. This program is designed for individuals who want to immerse themselves in full-time graduate studies and take classes during the day. Small class size in the program supports individual learning, promotes student-faculty interaction and encourages personal and professional development.

The Master of Business Administration curriculum is rooted in transformation of both the students and current business practices and is supported by each of the eight academic units within the W. P. Carey School of Business. Group projects and access to different organizations give students the tools to graduate ready to make a difference in their community and in the world. Connect with internationally renowned faculty, who bring years of real-world experience and innovative research into the classroom. The Master of Business Administration transforms students into leaders who can navigate circumstances filled with ambiguity.

As a STEM-designated master's degree, the program allows eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months, helping international students gain additional skills and experience in the U.S.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:
- Accountancy and Data Analytics, MACC
- Architecture, MArch
- Finance, MS
- Information Systems Management, MS
- Juris Doctor, JD
- Legal Studies, MLS
- Taxation and Data Analytics, MTax

**Degree Requirements:**
60 credit hours including the required capstone course (MGT 589).
Required Core (1.5 credit hours)
LES 582 Ethical Issues for Managers (1.5)

Electives (55.5 credit hours)

Culminating Experience (3 credit hours)
MGT 589 Strategic Management (3)

Additional Curricular Information
While there are no business course prerequisites, potential students must demonstrate strong quantitative ability as well as effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or from courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside of the W. P. Carey School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge. Elective or specialization courses build upon the business core and center on the further development of a specialization. There may be additional requirements that vary by specialization. The program is typically completed in two years, with a required internship in the summer between the first and second year of study.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with capstone course MGT 589 Strategic Management. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer question responses
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, must be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent. Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning. More information is available on the Global Education website (https://goglobal.asu.edu/students/graduate-students).

**Career Opportunities:** The Master of Business Administration program includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions, such as human resources, finance or marketing.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states, employment for business managers is projected to grow between 4 and 11 percent between 2018 and 2028.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/full-time
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BAONLINMBA)

**Online Degree Search Title:** W. P. Carey MBA - Online Program

**Campus:** Online

**Program Description:** The W. P. Carey School of Business MBA program provides a foundation and knowledge base in the core business disciplines so students develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions.

Students develop their leadership skills wherever and whenever learning suits them best. With one core course at a time and flexible elective and concurrent degree options, the online program allows students to focus on their studies while managing their career and their life.

Highly ranked (https://wpcarey.asu.edu/about/rankings) by U.S. News & World Report and accredited (https://wpcarey.asu.edu/about/accreditation) by the Association to Advance Collegiate Schools of Business, the online Master of Business Administration program delivers the same course content taught by faculty members of the full-time and professional flex Master of Business Administration programs and students earn the same highly ranked degree.

The curriculum is delivered in a case-based, team-oriented learning environment. Elective courses provide additional depth and breadth to enhance students' knowledge base and career goals. The program is designed for working professionals seeking to continue working full time while attending school. The program starts in January and August and is completed in 21 months.

The Master of Business Administration program is supported by each of the eight academic units within the W. P. Carey School of Business.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:
Electrical Engineering, MSE
Industrial Engineering, MS

**Degree Requirements:**
49 credit hours including the required capstone course (MGT 589).
Required Core (3 credit hours)
LES 582 Ethical Issues for Managers (3)

Electives (43 credit hours)

Culminating Experience (3 credit hours)
MGT 589 Strategic Management (3)

Additional Curriculum Information
All students must successfully complete the comprehensive requirement for the MBA established by the school of business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills. To be successful in an online learning environment, students must also have computer proficiency and expertise in using spreadsheet, word processing and presentation software packages, email and an Internet browser.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey School of Business. Registration in School of Business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge and skills. Elective courses build upon the business core and center on the further development of an area of emphasis. The program is typically completed in less than two years.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable masters degree program.

All applicants must submit:
- graduate admission application and application fee

- official transcripts
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program

Applicants should see the department's website for more information.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-business-administration/) for program descriptions and to request more information.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/students/graduate-students) is possible for graduate students. There are more than 50 program opportunities, with programs on every continent. Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

**Career Opportunities:** The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2019) states that employment for business managers is projected to grow between 4% and 11% between 2018 and 2028.

The Master of Business Administration includes the essential academic preparation for those interested in pursuing professional careers as leaders within organizations, in such diverse functions as human resources, finance or marketing.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/online
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BASHANGMBA)

**Online Degree Search Title:** W. P. Carey MBA - Shanghai Program
**Campus:** Tempe

**Program Description:** The business leaders emerging from the W. P. Carey MBA - Shanghai program can shape U.S.-Sino trade relationships during China's continued global expansion. This academic program is the cornerstone of a number of new offerings that include knowledge transfer and access to the highest level of decision-makers in China.

The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. In 2003, the Master of Business Administration program launched in Shanghai, China. The program is delivered in collaboration with Shanghai National Accounting Institute, an entity under the governance of China's Ministry of Finance.

This degree program is only offered in China.

**Degree Requirements:**
48 credit hours including the required capstone course (MGT 589).
The curriculum is based on the integration of core management principles with an immersion in accounting, finance, information management, supply chain management, service marketing, customer relation management and management of services innovation. At the core of the

curriculum delivery is emphasis on the practical applications with direct business connectivity. The school prides itself on the curriculum's integration of global practices and local market characterizations, to enable participants' ability to excel in the modern economy.

In addition, the curriculum is designed with a strong transdisciplinary focus while achieving cycle-time efficiency. Each course is delivered in an intensive manner over two consecutive weekends, with four full days of face-to-face instruction supplemented by online instruction materials to enable learning interactions between faculty and participants.

All students must successfully complete the comprehensive requirement for the Master of Business Administration established by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00 on a scale of 4.00) or higher satisfy the comprehensive examination requirement. A thesis is not required.

**Admission Requirements:** This degree program is only offered in China. All applicants are required to contact the program coordinator before submitting the online graduate admission application.

**Career Opportunities:** The Master of Business Administration program in China includes the essential academic preparation for students who are interested in pursuing professional careers leading within organizations in diverse functions, such as human resources, finance or marketing.

Career examples include:

- CEO
- finance manager
- marketing manager
- supply chain manager

**Contact Information:**
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/china-programs/emba
BA 323D
Pingping.Yao@asu.edu; Hannah.Habibi@asu.edu
480-965-1422

## Design and the Arts, Herberger Institute for

### Architecture, MArch (ARARCMARCH)

**Online Degree Search Title:** Architecture, MArch
**Campus:** Tempe, Online

**Program Description:** Architecture and the building industry are rapidly changing, and professionals need to be more effectively prepared to innovate and challenge a workforce that is far more dynamic, complex and diverse than it was 20 years ago. Professional architecture firms and offices no longer specialize in building design only, having expanded into related fields which is compelling architecture education to become more comprehensive and advanced than ever.

With the redesigned MArch curriculum and schedule, students can both complete the accredited architecture degree content and gain additional credentials for another master's degree or certificate that supports their individual interests. This enables students to pursue concurrent options in related areas such as construction management, sustainability, real estate development, urban planning, landscape architecture, interior architecture, business and other subject areas. It is also possible for students to simultaneously join other programs across ASU such as health, education or fine arts.

Each semester of the program includes a design studio and two other courses such as technology, representation, history, theory, research and practice. Students craft the design and plan the construction of economically and ecologically sustainable built environments and communities, and they are rigorously trained on advanced design and digital prototyping, innovative building systems and new technologies as well as in the research and advocacy of the expansive public role of architects within a broader civic dialogue and social justice aspirations.

The program is offered in two distinct learning modalities, in-person and online, allowing further opportunities to earn the same National Architectural Accrediting Board accredited professional degree.

Students who successfully complete the requirements for Master of Architecture program and their chosen electives for their certificate can choose to continue for an additional year in their added field and convey their certificate into the second master's degree. Students pursuing concurrent degrees earn two distinct degrees and receive two diplomas, allowing students to pursue their own personal or professional interests effectively.

The mission of The Design School is to prepare students for professional success, while continuing to innovate and advance the discipline of architecture through an emphasis on place, context and contemporary culture, which recognizes responsibility and commitment to social and environmental justice within Arizona, the region, nation and the world.

The Design School in the ASU Herberger Institute for Design and the Arts offers the following NAAB-accredited degree program (https://design.asu.edu/about/accreditation):

- Master of Architecture, two-year track (preprofessional degree + 48 graduate credit hours)
- Master of Architecture, three-year track (non-preprofessional degree + 72 credit hours)

Next accreditation visit: 2023
Accredited since: 1985

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: W. P. Carey MBA - Full-Time Program

**Degree Requirements:**
48 credit hours including the required capstone course (ARC 602).
Required Core (42 credit hours)
ARC 501 Advanced Architecture Studio I (6)
ARC 502 Advanced Architecture Studio II (6)
ARC 522 Advanced Architecture Technology I (3)
ARC 531 Advanced Architecture History (3)
ARC 532 Architectural Theory I (3)
ARC 541 Advanced Architecture Representation (3)
ARC 601 Advanced Architecture Studio III (6)
ARC 622 Advanced Architecture Technology II (3)
ARC 631 Architectural Theory II (3)
ARC 651 Architecture Research (3)
ARC 662 Architectural Practice (3)

Culminating Experience (6 credit hours)
ARC 602 Advanced Architectural Studio IV (6)

Additional Curriculum Information
The culminating experience course is a final design studio with a written component, taken under guidance of studio faculty and industry professionals.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of two references submitted via SlideRoom (https://asudesign.slideroom.com (https://asudesign.slideroom.com))
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Admission Requirements for the Two-Year Pathway:
Applicants must have completed a four-year Bachelor of Science degree with a major in architectural studies or similar preprofessional degree in architecture. The undergraduate degree must be granted by an institution that is recognized by ASU and offers a National Architectural Accreditation Board-accredited degree program in architecture.

Admission Requirements for the Three-Year Pathway:
Applicants must have earned a baccalaureate or graduate degree in any field other than architectural studies.

Deficiency Coursework:
If a student is assigned any deficiency coursework by the academic unit upon admission depending on the undergraduate background, those courses must be completed with a grade of "B" or higher before completing the master's program required coursework.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-architecture/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the architecture program often pursue careers as:

- architects
- building information modelling managers
- contractors
- developers
- energy modelers
- facilities managers
- film and media producers
- politicians or public servants
- professors

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

In the United States, most registration boards require a degree from an accredited professional degree program (https://design.asu.edu/about/accreditation) as a prerequisite for licensure.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Architecture (Energy Performance and Climate Responsive Architecture), MS (ARENERGYMS)

**Online Degree Search Title:** Architecture (Energy Perf/Climate Responsive Arch), MS
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MS program in architecture with a concentration in energy performance and climate-responsive architecture educates students to become experts in energy-efficient building design and energy technology.

Courses in this concentration establish a basic core of knowledge of the principles of the natural energies available at the building boundary due to climate and site; thermal and optic behavior of building materials and components; passive and low-energy architectural systems for heating, cooling and lighting; and appropriate integration with mechanical systems. Additional courses are available to support advanced study and research in a variety of related specialties.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (ATE 593).
Required Core (21 credit hours)

Electives (3 or 6 credit hours)

Culminating Experience (3 or 6 credit hours)
ATE 593 Applied Project (3)
ATE 599 Thesis (6)

Additional Curriculum Information
The applied project option consists of six credit hours of electives and three credit hours of ATE 593. The thesis option consists of three credit hours of electives and six credit hours of ATE 599.

Students should see the academic unit for an approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in one of the professions or fields of study outlined below:

- a five- or six-year National Architectural Accrediting Board-accredited professional degree in architecture (BArch or MArch)*
- a four-year Bachelor of Science in landscape architecture or a master's degree in landscape architecture, which must be granted by an institution that offers the Landscape Architectural Accreditation Board-accredited degree program in landscape architecture
- an engineering degree (BS or MS) with a background in building sustainability issues**
- a science degree (BS or MS) with a background in building sustainability issues

*Applicants should refer to the NAAB website for more information about the Bachelor of Architecture or Master of Architecture.
**Mechanical and civil engineering and construction majors are particularly suited for application to the BS or MS program in engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- official copy of GRE scores
- portfolio; or, a writing sample from applicants who have a science background
- statement of intent
- contact information for two references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The minimum score for admission to the program is 80 on the TOEFL iBT or an overall band score of 6.5 on the IELTS. Other information can be found on the Admission Services (https://admission.asu.edu/international/graduate/english-proficiency) website.

Unofficial copies of GRE scores are not accepted. More information is available at the GRE website or on the UOEEE testing website (https://uoeee.asu.edu/testing).

The portfolio or writing sample, statement of intent, and contact information for three references must be submitted via Slideroom. https://asudesign.sliderooom.com/#/Login (https://asudesign.sliderooom.com/#/Login).

Admission to the program is selective. Admission to the program cannot be deferred. Students must enroll in the semester for which they are admitted; otherwise, they need to go through the entire application process again during the year for which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting The Design School.

Applicants should see the program website for application deadlines and admission terms.

**Career Opportunities:** Graduates of the Master of Science in architecture program often pursue the following careers:

- architect
- energy modeler
- sustainability consultant

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu/
CDN 162
designgrad@asu.edu

480-965-3536

# Art, MFA (HIARTMFA)

**Online Degree Search Title:** Art, MFA
**Campus:** Tempe

**Program Description:** The ASU School of Art's MFA program provides artists with both a formal and a conceptual foundation in contemporary art. Situated in the context of a public research university renowned for innovation, students work closely with distinguished art faculty to develop the skills to produce culturally relevant work and sustain a lifelong creative practice. Students are encouraged to work across disciplines and also select a focus from a range of media including animation, ceramics, intermedia, metals, painting and drawing, photography, printmaking, sculpture, textiles and woods.

In addition to the expansive curriculum, students benefit from a visiting artist and scholar lecture series, career workshops, teaching opportunities and pedagogical training. Students also supplement their arts curriculum by taking advantage of the vast resources afforded by a Research 1 university, engaging with world-renowned researchers or taking courses in a variety of departments. The ASU Art Museum offers vital opportunities for students to learn from and connect with artists and curators.

Graduate students are provided world class studio space at Grant Street Studios (https://art.asu.edu/galleries-and-facilities/grant-street-studios) located in the cultural hub of downtown Phoenix. This facility is also home to two galleries and enhanced resources, including a common wood shop, printmaking presses, photography darkroom, ceramics kilns, computer lab and 3D print lab. Students also have access to the vibrant community of museums, galleries, businesses, and cultural organizations in Phoenix as well as in nearby Los Angeles, Santa Fe and Denver.

The Master of Fine Arts program culminates in a solo thesis exhibition in one of the School of Art's galleries (Step Gallery, Northlight Gallery, or Harry Wood Gallery). In addition to being one of few tuition funded three-year Master of Fine Arts programs nationally, students also benefit from various funding opportunities, including teaching assistantships as well as scholarships and awards, supporting student travel and research. Special initiatives in the School of Art add dynamic opportunities for the professionalization, collaboration and immersive learning essential to being an artist.

**Degree Requirements:**
60 credit hours and an oral comprehensive exam (defense of MFA exhibition).
The 60 hours of graduate credit are subject to committee approval and must include:

ART 680 Practicum, resulting in an MFA exhibition (10-15 credit hours)
graduate studio (18-27 credit hours)
graduate-level academic coursework (at least 6 credit hours)
graduate-level ART seminars (9-18 credit hours)
required courses in contemporary art theory (3) and cross-practice critique (3) (6 credit hours)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 ="A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- portfolio
- statement of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Admission is a two-step process. Although applicants fill out one application through the online graduate application process, they must be admitted into both the MFA program and to the Graduate College.

The portfolio should be 20 images, sized with a maximum dimension of 1024 pixels; video files less than 60MB each; and accompanied by an image list and the statement of intent (this is not to exceed 1,000 words) that addresses the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular as well as professional goals.

The three letters of recommendation should be from faculty members with whom the applicant has studied or from recognized professionals in the field. All the instructions for letters of recommendation must be followed when submitting them with the application to the Graduate College.

The method for submitting the resume or vitae, portfolio, statement of intent and letters of recommendation is online via SlideRoom: https://asuherberger.slideroom.com/#/Login (https://asuherberger.slideroom.com/#/Login). Applicants may upload images (.jpg), video (.mov, .wmv, .flv), music (mp3) or PDF documents.

Applicants should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Apply concept development and knowledge of material practice in their focused media area to contextualize their research.
- •Demonstrate professional preparedness by developing a comprehensive toolkit for self-promotion that will position them for success in the field of art and design.
- •Demonstrate how their cohesive body of artwork fits within the context of the fine art world holistically.

**Career Opportunities:** Master of Fine Arts degree holders have the credentials necessary for teaching courses in their discipline at colleges and universities as well as for entering the art market, working in art administration or other competitive creative fields. Graduates of this program also go on to start their own galleries or small businesses, exhibit at notable institutions, and are awarded prestigious grant and residency opportunities.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-mfa-mfa
ART 102
SOAGradCoordinator@exchange.asu.edu
480-965-8521

## Art (Art Education), MA (FAARTEDMA)

**Online Degree Search Title:** Art Education, MA
**Campus:** Tempe

**Program Description:** Students in the MA program in art with a concentration in art education investigate issues in art teaching and learning from multiple perspectives, including art inquiry, curriculum theory, spatial design, studio practice, visual culture, social intervention, human development and cultural context.

The culminating experience may be conducted in a range of contexts where art learning takes place, such as in K-12 art classrooms, art centers and museums, public settings, university studios or in a teacher's own classroom.

**Degree Requirements:**
30 credit hours, a thesis and a written comprehensive exam (qualifying research proposal).
Required Core (18 credit hours)
ARE 510 Visual Culture Research (3)
ARE 520 Issues in Teaching Inquiry in Art (3)
ARE 525 Research on Art Instruction (3)
ARE 530 Issues in Teaching Studio Art (3)
ARE 535 Research on Teaching Studio Art (3)
ARE 540 Teaching Art in Cultural Contexts (3)

Other Requirements (6 credit hours)
special topics on research related to integrating the teaching of studio art, art history and criticism or aesthetics (6)

Culminating Experience (6 credit hours)
ARE 599 Thesis (6)

Additional Curriculum Information
Before the end of the first semester of coursework (six or more credit hours), a plan of study must be submitted to the Graduate College. Additional program requirements are indicated in the guidelines for the master's degree in art education.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants should submit:
- graduate admission application and application fee
- official transcripts
- a formal art education research paper for review
- resume
- statement of intent
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must have a bachelor's degree from a regionally accredited college or university with a major of no fewer than 45 credit hours of art, including 12 credit hours of art history and six credit hours of art education. Additional hours may be required by the school.

Applicants must have a GPA of at least 3.00 (scale is 4.00 = "A") in undergraduate coursework during the junior and senior years. Applicants who do not meet these requirements must submit scores from the MAT or the GRE.

The resume should demonstrate how professional experience will help the student succeed in this program.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Design and evaluate curriculum or instructional plans for school, museum, or other context.
- •Communicate principles of Art Education to technical and nontechnical audiences through oral and written communication.
- •Write a well-organized research paper in the field of Art Education following a research process of conducting a literature review, developing field research methodology, synthesis of finding and identification of new research areas.

**Career Opportunities:** Graduates may earn an increased salary in some districts, have the potential to become a district art administrator, are prepared for doctoral study, and are qualified to be a museum or community art educator.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-education?dept=160343&id=1
ART 102
SOAGradCoordinator@asu.edu
480-965-8521

## Art (Art History), MA (FAARTHISMA)

**Online Degree Search Title:** Art History, MA
**Campus:** Tempe

**Program Description:** The MA in art with a concentration in art history is a comprehensive degree program designed to train students to engage with visuality in multiple ways.

A diverse curriculum fosters critical understanding of aesthetics, production, patronage and consumption of art. Nine internationally recognized faculty members offer classes covering many cultures, time periods and geographies, using multiple approaches and methodologies. The program stresses intersections between disciplines, borders, margins, points of mediation and technological developments throughout history and offers focused study in the areas of images and digital technologies, art in social and political contexts, and the histories and theories of visual culture.

**Degree Requirements:**
30 credit hours, a thesis and a foreign language exam.
Required Core (3 credit hours)
ARS 501 Methodologies and Art History (3)

Focus Area Coursework (12 credit hours)

seminars (12)

Electives (6 credit hours)

Research (3 credit hours)
ARS 592 Research (3)

Culminating Experience (6 credit hours)
ARS 599 Thesis (6)

Additional Curriculum Information
This program must include a minimum of 24 credit hours in art history, with at least 12 of these earned in 500-level seminars.

Four courses in the areas shown below are required, with two of these courses outside the geographical area of specialization:

- ancient
- Asian
- contemporary
- global
- Latin American
- Medieval
- modern
- pre-Columbian
- Renaissance

For elective coursework, students may choose to take either 500-level courses in art history or related areas, such as in anthropology, history, museum studies, religion or up to six credit hours of the following omnibus courses:

ARS 584 Internship
ARS 590 Reading and Conference
ARS 592 Research

Students must have reading knowledge of one research language in addition to English. The selected language needs to be appropriate for the area of research concentration and must be approved by the faculty mentor. This requirement can be met by taking a language for reading knowledge course in the School of International Letters and Cultures with a grade of "B" or better or by passing the Graduate Foreign Language Examination offered by SILC, which requires a fee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. In addition, applicants must have an undergraduate major or minor in art history or at least four upper-division art history courses in which a GPA of 3.00 or higher was maintained.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation.
- one formal research paper for review
- statement of intent
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of intent should be one page and indicate the objectives for graduate study.

Students should see the program website for application deadlines and admission terms.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following

program outcomes:
•Students will propose original research within their focus area.
•Verbally communicate knowledge in the analysis of images and objects
•Will be able to write a thesis paper up to program capstone standards, which includes the development of a thorough bibliography and the extended examination of a single subject, conceptualized as a research question that engages with their field

**Career Opportunities:** A graduate degree is necessary for many professional positions. A Master of Arts in art history or museum studies prepares individuals for the following:

- enhancing one's own practice as an artist
- gaining entry into museums, archives, historical societies, auction houses, publishing companies and academic presses, as well as to art libraries
- practicing and publishing as an art critic or writer
- teaching at the community college level

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-history?dept=160344&id=1
ART 102
SOAGradCoordinator@asu.edu
480-965-8521

## Art (Digital Technology), MFA (FADIGITMFA)

**Online Degree Search Title:** Art (Digital Technology), MFA
**Campus:** Tempe

**Program Description:** The MFA program in art with a concentration in digital technology combines technological and artistic goals and is designed for students with skills and experience in both realms.

The program is offered by the School of Art in collaboration with the School of Arts, Media and Engineering. The School of Art offers graduate-level courses in digital audio, video, photography, printing, compositing, interactive sculpture and rapid prototyping. Graduate courses offered by the School of Arts, Media and Engineering focus on topics such as interactive media methodology and theory, sensing and understanding activity, perception and cognition for artists and designers, advanced programming, interaction design for media installations, and digital and physical fabrication.

Prospective students should demonstrate accomplishments in art and technology, particularly in having developed new digital technology for the arts.

**Degree Requirements:**
60 credit hours and an oral comprehensive exam.
Graduate credit is subject to committee approval and includes:

36 graduate studio credit hours in the major areas of concentration of which 18 credit hours are ART studio classes and 18 credit hours are graduate-level courses in the School of Arts, Media and Engineering
6 credit hours of ART 621 Seminar
6 credit hours of graduate-level art history
6 credit hours of ART 680 Practicum and 6 credit hours of AME 593 Applied Project, leading either to a final exhibition or an applied project

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- an art and digital technology resume
- current resume or curriculum vitae
- portfolio
- statement of intent

- statement and evidence of work demonstrating digital technology skills beyond end user applications
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency via a TOEFL score.

Admission is a two-step process. Although applicants fill out one application through the online graduate application process, they must be admitted into the Master of Fine Arts program and to the Graduate College.

The portfolio must be of 20 images sized with maximum dimension of 1024 pixels; video files of less than 60 MB each; and an image list that accompanies the portfolio. The method for submission for the portfolio is online via SlideRoom: https://asuherberger.slideroom.com/#/Login (https://asuherberger.slideroom.com/#/Login). Applicants may upload images (.jpg), video (.mov, .wmv, .fly), music (.mp3) or PDF documents.

The statement of intent should not exceed 1,000 words and should address the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular and the applicant's professional goals.

The letters of recommendation should be from faculty members with whom the applicant has studied or from recognized professionals in the field. All instructions for the letters of recommendation must be followed when submitting the application to the Graduate College.

Applicants should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply concept development and knowledge of material practice in their focused media area to contextualize their research.
- •Demonstrate professional preparedness by developing a comprehensive toolkit for self-promotion that will position them for success in the field of art and design.
- •Demonstrate how their cohesive body of artwork fits within the context of the digital and fine art world holistically.

**Career Opportunities:** Master of Fine Arts degree holders have the credentials necessary for teaching courses in their discipline at colleges and universities. They also are fully prepared to enter the art market or art administration or to work in other competitive creative fields. Graduates of this program also go on to start their own galleries or small businesses, exhibit at notable institutions, and are awarded prestigious grant and residency opportunities. Graduates who concentrated in digital technology are also engaged as technology consultants, freelance artists and technologists, and they join a variety of art and technology collaborations.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu
ART 102
SOAGradCoordinator@asu.edu
480-965-8521

## Community-Engaged Practices in Design and the Arts (Certificate), Certificate (HISEPGRCT)

**Online Degree Search Title:** Community-Engaged Practices in Design and the Arts (Graduate Certificate)
**Campus:** Tempe

**Program Description:** This certificate program in community engaged design and the arts places designers, artists, scholars and educators in public life and prepares students to use their creative capacities to advance culture, strengthen democracy and imaginatively address today's most pressing challenges.

This certificate is an integrated, community-engaged design and arts program serving all Herberger Institute students as well as the larger ASU community. Participants engage in direct and ethical partnership and collaboration with communities, civic and industry partners to learn and practice programming that activates partner goals and facilitates experiential learning and creation.

**Degree Requirements:**
15 credit hours including the required applied project course (ART 593 or AME 593 or DCE 593, or DCE 693, or DSC 593 or DSC 693, or MUP 593 or MUP 693, or THP 593 or THP 693).
Required Core (6 credit hours)

ART 542 Art and Community (3) or THP 514 Projects in Community-Based Theatre (3)
HDA 510 Design and the Arts Corps Seminar (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
Applied Project (3)

Additional Curriculum Information
The applied project is a 593 course in AME, DCE, DSC, MUP, THP or a 693 course in DCE, DSC, MUP or THP.

Students should see the academic unit for appropriate elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- written recommendation or nomination letter
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students must maintain a 3.50 GPA in the certificate program.

Admission examinations are not required.

**Career Opportunities:** This certificate program allows students to develop unique pathways that also earn micro-credentials across a broad range of competencies including:

- asset-based community cultural development
- ethical communication
- ethics
- group facilitation
- project management
- project structuring and evaluation

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/national-collaborative/design-and-arts-corps?dept=1400&id=1
GHALL 132
HerbergerAdmissions@asu.edu
480-965-5337

## Composition, MM (FAMCOMPMM)

**Online Degree Search Title:** Music Composition, MM
**Campus:** Tempe

**Program Description:** The MM program in composition focuses on the development of skills required for a career in music composition.

Composers learn through experiential opportunities, including composing for fellow student performers leading to performances of their works in venues on campus and off. Project-based experiences include working with the Visiting Quartet Residency program and creating new works for student string quartets.

Composers have multiple performance opportunities each year, including collaborations with student performers, readings by the Visiting Quartet Residency Program, readings by the ASU Symphony Orchestra as part of the orchestra composition competition, year-long residencies with the ASU Wind Ensembles, student commissions for the PRISMS contemporary music festival, and collaborations with student filmmakers.

Students develop advanced skills, such as orchestration, electronic studio techniques, film and video scoring, and jazz composition in the degree program. Collaboration with music scholars, theorists, performers, educators and other composers under the guidance of renowned composition faculty provides students with a broad and well-rounded foundation for advanced careers in music.

**Degree Requirements:**
32 credit hours including a thesis and a written comprehensive exam, or 32 credit hours including a thesis, a written comprehensive exam and an oral comprehensive exam, or 32 hours including a written comprehensive exam and the required applied project course (MTC 593), or 32 hours including a written comprehensive exam, an oral comprehensive exam and the required applied project course (MTC 593).
The credit hour requirements for the degree are distributed as follows:

composition (9 credit hours)
electives (8 credit hours)
music theory and music history (9 credit hours)
thesis or applied project (6 credit hours)

Additional Curriculum Requirements
Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Additional information about degree requirements for all graduate music programs may be found on check sheets (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program.

All applicants must submit:
- graduate admission application and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including a resume and personal statement)
- official transcripts
- prescreening portfolio
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. In order to meet English proficiency requirements, students must have a TOEFL iBT score of at least 80, or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music may wish to take foundational courses in music theory and history as recommended by their advisor.

Applicants should see the program website for application deadlines. After receipt of complete application materials, including recommendation letters, transcripts and English proficiency, and review of prescreening materials, an applicant may be invited for an interview. Information on the interview may be found at the school's graduate auditions page (https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions).

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Critique compositions in a variety of styles, applying theoretical understanding of compositional techniques.
- •Create an original portfolio that synthesizes principles of composition.
- •Interpret specific musical products within the context of a specific historic or cultural tradition.

**Career Opportunities:** The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composer for film, video games, or television
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music-composition-mm
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Composition (Interdisciplinary Digital Media), MM (FADIGITMM)

**Online Degree Search Title:** Composition (Interdisciplinary Digital Media), MM
**Campus:** Tempe

**Program Description:** The MM program in composition with a concentration in interdisciplinary digital media is designed for students who have interests and skills in unique cross sections of the arts and sciences.

The degree program expands the School of Music, Dance and Theatre offerings to include areas beyond typical music coursework, allowing additional opportunities for transdisciplinary study and collaboration across the Herberger Institute and beyond. It also allows the School of Music, Dance and Theatre and its students to be actively involved in current developments in the ever-changing field of media.

Students are encouraged to develop their own compositional voices and focus on their area of interest, regardless of style or aesthetics, while developing a breadth of knowledge through coursework and private lessons with the composition faculty.

The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are invaluable assets to music students, with resources that complement existing and future courses in electronic music.

**Degree Requirements:**
32 credit hours including a thesis and a written comprehensive exam, or 32 credit hours including a thesis, a written comprehensive exam and an oral comprehensive exam, or 32 credit hours including a written comprehensive exam and the required applied project course (MTC 593), or 32 credit hours including a written comprehensive exam, an oral comprehensive exam and the required applied project course (MTC 593).
Required Core (6 credit hours)
MTC 523 Advanced Composition (6)

Concentration (18 credit hours)
Arts, Media and Engineering coursework (9)
Music Theory and Music History (9)

Electives (2 credit hours)

Culminating Experience (6 credit hours)
AME or MTC 599 Thesis (6) or

MTC 593 Applied Project (6 credit hours)

Additional Curriculum Requirements
Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs may be found on the check sheets at the graduate music degrees page (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country and officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply), including a resume and personal statement
- official transcripts
- prescreening portfolio
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL iBT score of at least 80, or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music may wish to take foundational courses in music theory and history as recommended by their advisor.

Students should see the program website for application deadlines. After the School of Music, Dance and Theatre receives the complete application (this includes recommendation letters, transcripts and English proficiency requirements) and it is reviewed by the department, the applicant may be invited for an interview. Information about the interview may be found at the graduate music degrees page (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply software engineering skills to music, sound, and video.
- •Evaluate specific musical products within the context of a specific historic or cultural tradition, including contemporary media.
- •Create independent musical products or performances using interdisciplinary digital media.

**Career Opportunities:** The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composer for film, video games or television
- performing musician

- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/composition-interdisciplinary-digital-media-mm
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Creative Enterprise and Cultural Leadership, MA (HICECLMA)

**Online Degree Search Title:** Creative Enterprise and Cultural Leadership, MA
**Campus:** Tempe

**Program Description:** Creative enterprise and cultural leadership students are changemakers and innovators working toward more just and sustainable futures that connect art and design to society.

The MA program in creative enterprise and cultural leadership has a particular emphasis on impact and place, looking at how art practice intersects with the social, political, economic and other structures that shape communities. This cross-disciplinary, collaborative program merges theory and practice in arts management, civic practice, creative placemaking, leadership and the management of innovation in the expanded creative fields.

The program offers classes that mix theory and practice through applied learning in collaboration with a range of community, nonprofit, business and public sector partners. Local and national leaders engage with students in classes, site visits and collaborative projects. The program culminates with a capstone applied project that can take the form of research or the launch of a new project.

In addition to core classes, students select additional focused coursework to advance their own professional goals and interests. The program offers several areas of curricular emphasis including creative placemaking and placekeeping, civic practice, cross-sector work and new business models.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Art (Art History), BA
Art (Museum Studies), BA
Arts (BA in the Arts), BA
Environmental Design, BS
Film (Film and Media Production), BA
Film (Filmmaking Practices), BA
Media Arts and Sciences, BA
Music, BA
Theatre, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including a written comprehensive exam and the required applied project course (HDA 593).
Required Core (10 credit hours)
HDA 511 Purpose, Collaboration and Accountability (3)
HDA 512 Proposal Development (1)
HDA 513 Applied Creative Research and Evaluation Methods (3)
HDA 514 Creativity and Impact, Opportunities for Change (3)

Electives (3 credit hours)

Focus Area Coursework (9 credit hours)

Other Requirements (2 credit hour)
HDA 583 Fieldwork (2)

Culminating Experience (6 credit hours)

HDA 593 Applied Project (6)

Additional Curriculum Information
For electives, students may choose from a list of approved courses or choose their own with advisor approval.

For focus area coursework, students select three classes from a curated list of options that intersect with the Master of Arts in creative enterprise and cultural leadership's core themes of art, place and impact to create their own emphasis.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in an arts, design, business, public policy or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letters of recommendation
- letter of intent
- professional resume
- example of academic or professional work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letter of intent must outline the applicant's reasons for choosing to pursue a Master of Arts in creative enterprise and cultural leadership and outline how their unique background and abilities make them a suitable candidate.

Applicants are required to submit an example of academic or professional work that demonstrates, within a maximum of 30 pages, the ability and potential to be successful in the program. Following are examples of appropriate submissions:

- business plan for a new or existing enterprise
- critical essay from previous academic work
- critical essay for professional audiences
- curatorial materials
- marketing materials designed or written by applicant
- material produced for professional creative practice
- other professional or technical writing relevant to the creative industries

An online interview may be held for applicants who reach the finalist stage of consideration for admission.

**Career Opportunities:** Using arts and design-based methods to advance a spectrum of enterprises, graduates are equipped to pursue positions such as:

- arts managers
- civic leaders
- cultural entrepreneurs and business leaders
- cultural producers

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/degree-programs/creative-enterprise-and-cultural-leadership/about?dept=1400&id=1
GHALL 155
herbergeradmissions@asu.edu
480-965-2458

## Dance, MFA (FADANCEMFA)

**Online Degree Search Title:** Dance, MFA
**Campus:** Tempe

**Program Description:** The ASU MFA program in dance is normally accomplished during three years of residency.

The dance program welcomes a diversity of applicants, including returning professionals, who have experience and interest in choreography, dance science and somatics, dance teaching praxis, dance and technology, community engagement, practices of equity and inclusion, professional partnerships and dance scholarship and theory. Students whose approaches are interdisciplinary and cross-cultural in nature and who are self-motivated, have clear and demonstrated objectives and are willing to explore new possibilities in the field of dance and beyond are ideal for this program.

This program encourages in-depth study in a range of dance practices and related fields.

Each graduate student will develop their potential as a creator, performer, teacher, thinker and art advocate. Frequent showings are required for degree completion.

**Degree Requirements:**
60 credit hours and a portfolio.
Students in the Master of Fine Arts program in dance take coursework in dance and related fields that have been designed to provide a broad and fundamental preparation for future careers. Opportunities on and off campus further develop the knowledge and skills students need to become leaders in the dance community through teaching, performing, creating, engaging in scholarship, and arts advocacy.

The Master of Fine Arts portfolio in dance serves as the culminating experience in the graduate dance curriculum. The portfolio takes into consideration the future goals of the student and serves as a bridge to careers beyond graduate school.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- teaching sample
- recent creative works
- current resume
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

All applicants should thoroughly review the application materials and deadlines on the program admission page (https://musicdancetheatre.asu.edu/admissions/dance/graduate-steps-to-apply).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will be able to create new artistic work or practices and processes in core areas of interest including: dance performance and creative practice, somatic inquiry, teaching praxis, technology, scholarship, and socially and community engaged practice.

- Students will develop relevant practical and theoretical frames for the analysis and teaching of dance.

- Students will develop creative and movement inquiry and research processes relevant to their chosen area of focus.

**Career Opportunities:** Dance artists and educators who complete the Master of Fine Arts program in dance are prepared for work in a variety of settings and industries including higher education dance programs, commercial dance venues, community dance and wellness programs, professional dance companies and stage production settings.

Graduates with an Master of Fine Arts in dance are successful securing employment at diverse international venues and events and working

abroad as dance artists and educators. These opportunities might include teaching abroad at a university, in a professional training program or at a dance festival; choreographing for community or professional organizations; performing with a dance company; or working as an independent artist. A number of full- and part-time employment opportunities exist all over the world.

Career examples include:

- choreographer
- community engagement and social activist artist
- dance researcher, scholar or reviewer
- dance works curator
- performing artist
- performing arts program developer
- social engagement practitioner
- somatics educator
- teaching artist
- university dance educator

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/
GHALL 212
MDTAdmissions@asu.edu
480-965-4206

## Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)

**Online Degree Search Title:** Dance (Interdisciplinary Digital Media and Perform.), MFA
**Campus:** Tempe

**Program Description:** The MFA program in dance with a concentration in interdisciplinary digital media and performance builds on the strength of the School of Music, Dance and Theatre and expands into the specific area of new media practices.

The concentration provides a select group of graduate students with a rigorous, in-depth opportunity to specialize in dance as well as transdisciplinary digital arts. The degree is normally accomplished within three years of residency. The interdisciplinary classes and research activities of the transdisciplinary School of Arts, Media and Engineering that are part of this concentration give students access to advanced media equipment, studios, project funding and interdisciplinary collaborators.

The program welcomes a diversity of students, including returning professionals, who have experience or interest in choreography, dance science and somatics, dance teaching praxis, dance and technology, community engagement, practices of equity and inclusion, professional partnerships, and dance scholarship and theory. Students whose approaches are interdisciplinary and cross-cultural in nature and who are self-motivated, have clear and demonstrated objectives and are willing to explore new possibilities in the field of dance and beyond are ideal for this program.

Each graduate student will develop their potential as a creator, performer, teacher, thinker and art advocate. Frequent showings are required for degree completion.

**Degree Requirements:**
60 credit hours and a portfolio.
The degree program involves three years of residency:

a final Master of Fine Arts portfolio (8 credit hours)
a written document
an oral defense
required coursework in the concentration taught by AME (18 credit hours)
electives (15 credit hours)
required courses in the School of Dance (19 credit hours)
ongoing showings of work

The current Master of Fine Arts program is normally accomplished during three years of residency in the School of Music, Dance and Theatre. Ongoing showings of creative work are required. Foundational coursework is offered in areas of creative practice, movement practices, pedagogy, professional development, technology and theory.

Students enrolled in the program specialize in areas related to independent research. The Master of Fine Arts portfolio, which may involve producing original choreography, presenting a lecture demonstration on a body of research or another form of original work, acts as the culminating experience of the program. Completing the process are a presentation, a final written document, reflective in nature, as well as an oral defense.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- teaching sample
- recent creative work
- current resume
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

All applicants should thoroughly review the application materials and deadlines on the program steps to apply page (https://musicdancetheatre.asu.edu/admissions/dance/graduate-steps-to-apply).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will be able to apply advanced knowledge of media applications to live dance performances, installations and alternative creative outputs.
- Students will implement relevant practical and theoretical frames for the creation, performance, embodied experience and teaching of dance.
- Students will develop creative and movement inquiry and research processes relevant to dance and digital media.

**Career Opportunities:** Dance artists, educators and media specialists who complete the Master of Fine Arts program in dance with an emphasis in interdisciplinary digital media and performance are prepared for work in a variety of settings and industries, including higher education dance, digital media and arts programs, commercial dance venues, media production companies, community arts organizations, and dance production and performance settings.

Dance interdisciplinary media artists have a wide range of international opportunities for work as independent multimedia artists and performers, digital media consultants and specialists. In addition to working in traditional performance spaces and venues, dance media artists are finding employment opportunities in rapidly evolving global digital performance and entertainment spaces.

Career examples include:

- choreographer
- community engagement and social activist artist
- dance filmmaker
- dance lighting and sound designer
- dance technology specialist
- interactive performance artist
- intermedia specialist
- performing artist
- stage production and design specialist
- teaching artist

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/
GHALL 212

mdtadmissions@asu.edu
480-965-4206

## Dance Teaching Artist Praxis (Certificate), Certificate (HIDTAPGRCT)

**Online Degree Search Title:** Dance Teaching Artist Praxis (Graduate Certificate)
**Campus:** Tempe

**Program Description:** This program equips students with practical and theoretical knowledge, skills and credentials that deepen their understanding of dance pedagogy. Students engage in a mix of studio-based courses, seminars and experiential learning in order to fully explore and scaffold appropriate teaching practices for dancers of any age and skill level.

Students completing the dance teaching artist praxis certificate fulfill the coursework requirements they need in order to obtain a Provisional Arts Education, preK-12 certificate in dance from the Arizona Department of Education. They also gain the qualifications and credentials required for developing and teaching university teacher preparation courses and training programs as well as the skills and perspectives necessary for working effectively as a teaching artist in diverse sociocultural and learning contexts.

**Degree Requirements:**
28 credit hours and a portfolio.
Required Core (28 credit hours)
DCE 530 Somatic Movement Inquiry I (3)
DCE 531 Somatic Movement Inquiry II (3)
DCE 554 Teaching Praxis I: Postsecondary Teaching Philosophies, Foundations and Practices (3)
DCE 654 Teaching Praxis II: Theories, Contexts, Populations, Psychomotor Development and Curriculum Design (3)
DCE 656 Teaching Praxis III: Secondary Practices and Teacher Preparation Course Development/Implementation (4)
SED 578 Residency/Student Teaching in Secondary Education (12)

Additional Curriculum Information
Students must submit the written portfolio culminating experience in the last semester of enrollment in the certificate program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a minimum of a master's degree in dance or a related field from a regionally accredited college or university, or have successfully completed their first semester of the Arizona State University MFA degree program in dance.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree program or in the ASU Master of Fine Arts program in dance at the time of their application submission.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the United States on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants who are currently enrolled ASU students are not required to submit letters of recommendation.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will be able to design pedagogical approaches and curricular content for university or professional teacher preparation courses.
- Students will be able to implement pedagogical approaches and curricular content for preK-12 dance education courses.

**Global Opportunities:**
Global Experience: Dance teaching artists are successful in securing employment in diverse international venues and events, working abroad as resident dance teaching artists, and as dance educators and performers. A number of employment opportunities for teaching artists exist all over the world.

**Career Opportunities:** Dance artists and educators who complete a dance teaching praxis graduate certificate are prepared for and credentialed to work as dance teaching artists, K-12 dance educators, higher education dance professors specializing in teacher preparation, and dance pedagogy scholars. Graduates can work across a number of sectors, including public and private K-12 schools; higher education institutions; local, national and international dance communities and organizations; and dance studio settings.

Career examples include:

- community arts facilitator
- community engagement and social activist artist
- dance education researcher or scholar
- dance studio owner
- K-12 dance educator
- K-12 performing arts administrator
- performing arts curriculum and program developer
- social engagement practitioner
- somatics educator
- teaching artist
- university dance professor and teacher preparation specialist
- wellness instructor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)

**Online Degree Search Title:** Healthcare and Healing Environments, MSD
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MSD program with a concentration in design of health care and healing environments is focused on the science and experiences behind the built environment's real and perceived impacts on health and wellness. To this end, the program emphasizes the intersection and integration of evidence-based research and practice, transdisciplinary studies, best practices, and innovation in supporting and advancing the design of healthy environments, products and processes. Students explore and synthesize principles from a variety of disciplines that include innovation, architecture, design, communication, human behavior, policy, quality and performance improvement, among others, to arrive at a thorough understanding of the critical issues facing the health care industry.

Students in this concentration have opportunities to:

- be mentored by local health care design consultants
- communicate with forward-thinking health care research centers
- engage directly with real clients
- interact with prominent health care organizations
- participate in industry conferences
- team with nursing and health innovation faculty and students

**Degree Requirements:**
36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).
Students may choose to complete the graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior

design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- contact information for three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The minimum score for admission to the program is 80 on the TOEFL iBT. Other information for international applicants can be found on the Admission Services (https://admission.asu.edu/international/graduate/english-proficiency) website.

When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
- visual communication design

The portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (https://asuherberger.sliderоom.com/#/Login (https://asuherberger.sliderоom.com/#/Login)). The Design School requires that these be submitted in addition to Graduate Admission Services application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Teaching or Research Assistantships
Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application is provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Design (Experience Design), MSD (HIDEDMSD)

**Online Degree Search Title:** Design (Experience Design), MSD
**Campus:** Tempe, ASU at Mesa City Center

**Program Description:** The MSD program with a concentration in experience design focuses on design practices for virtual experiences in extended reality technologies, including environmental design, programmatic in both real and virtual universes, rapid prototyping, storytelling and worldbuilding. This program is unique among emerging media programs, with the application of these technologies and practices in socially engaged and transdisciplinary modalities, taking tools that evolved primarily from and for entertainment and applying them to the modeling of real-

world challenges and futures.

Students develop human-centered design methods to improve user experience using theories and concepts from cognition and psychology, in addition to developing the ability to manage projects, work effectively in teams, and transform research into creative and technological products.

**Degree Requirements:**
36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).
Required Core (3 credit hours)
DSC 501 Qualitative Research in Design (3)

Concentration (9 credit hours)
DSC 550 Prototyping Futures (3)
DSC 551 Immersive Experience Design I (3)
HDA 581 Emerging Media Colloquium (3)

Research Methods (3 credit hours)
DSC 500 Research Methods (3)

Electives (11 credit hours)

Other Requirements (4 credit hours)
DSC 584 Internship (4)
DSC 590 Reading and Conference (4)
DSC 592 Research (4)
HDA 580 Practicum (4)

Culminating Experience (6 credit hours)
DSC 593 Applied Project (6) or
DSC 599 Thesis (6)

Additional Curriculum Information
For other requirements, students must complete a minimum of 4 credit hours of faculty-led research (DSC 592), individualized instruction (DSC 590), the design and implementation of public programs (HDA 580), or an internship (DSC 584).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in design and media arts or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information of two references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students are required to submit proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) through either the TOEFL or the IELTS if their native language is not English. The minimum score for admission to the program is 80 on the TOEFL iBT or an overall band score of 6.5 on the IELTS.

The portfolio, letter of intent, resume and contact information of two references must be submitted via Slideroom (https://asudesign.slideroom.com/#/Login (https://asudesign.slideroom.com/#/Login)). The Design School requires that these be submitted in addition to the graduate application requirements.

Admission to the program is selective. Students must enroll in the semester for which they are admitted, otherwise they will need to go through the

entire application process again for the year in which they are applying.

**Career Opportunities:** Graduates of this program are well prepared for careers in a variety of fields related to the application of immersive experience design and extended reality technologies and practices.

Virtual and augmented reality have obvious and popular applications in entertainment, gaming, workforce development and research, but alumni of this program also had direct experience with the application of these tools to other areas that can expand their available pathways: architecture, interior design, urban planning, health care and education, among others. They are ideally suited for the rapidly changing climate of this field.

Career opportunities include:

- architects and interior designers
- experience designers
- film and video editors
- graphic designers
- mobile developers
- software developers
- 3D modelers and visualizers
- web developers

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
MIXStudents@asu.edu
480-965-3436

## Design (Industrial Design), MSD (ARINDDEMSD)

**Online Degree Search Title:** Industrial Design, MSD
**Campus:** Tempe

**Program Description:** The MSD program in industrial design at The Design School is meant for individuals interested in advanced studies in:

- criticism and methodology
- design processes
- history
- human factors
- technology
- theory

This program helps students develop an understanding of contemporary design issues and develop skills by conducting specialized research. It also prepares the graduate student for a career in industrial design education.

This is a research based degree. Students interested in a studio based program should refer to the Master of Industrial Design.

**Degree Requirements:**
36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).
Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee

- official transcripts
- portfolio
- letter of intent
- resume
- contact information of two references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) through either the TOEFL or the IELTS regardless of their current residency. The minimum score for admission to the program is 80 on the TOEFL iBT or an overall band score of 6.5 on the IELTS.

When applying for admission, applicants must declare one of the concentrations.

The portfolio, letter of intent, resume and contact information of two references must be submitted via Slideroom (https://asudesign.slideroom.com/#/Login (https://asudesign.slideroom.com/#/Login)). The Design School requires that these be submitted in addition to the graduate application requirements.

GRE scores are not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Career Opportunities:** Graduates work for global design consultancies, corporate design teams, universities, research institutes and manufacturing companies.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Design (Interior Design), MSD (ARINTDEMSD)

**Online Degree Search Title:** Interior Design, MSD
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MSD in interior design at The Design School is a research program that allows students to deeply investigate how people use and interact with various interior environments, and it can be completed in as little as two years.

The program encourages the exploration of creativity, innovation and critical thinking while acknowledging the importance of cultural and historical precedent. This program helps students develop an understanding of contemporary interior design issues through specialized research and design skills.

**Degree Requirements:**
36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).
Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design situation.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information of two references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) through either the TOEFL or the IELTS regardless of their current residency. The minimum score for admission to the program is 80 on the TOEFL iBT or an overall band score of 6.5 on the IELTS.

When applying for admission, applicants must declare one of the concentrations.

The portfolio, letter of intent, resume and contact information of two references must be submitted via Slideroom (https://asudesign.slideroom.com (https://asudesign.slideroom.com/#/Login)). The Design School requires that these be submitted in addition to the graduate application requirements.

GRE scores are not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Career Opportunities:** Graduates from this program can expect to go into interior design research or higher education instruction; the program is also good preparation for entry into doctoral programs.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Design (Visual Communication Design), MSD (ARVCDMSD)

**Online Degree Search Title:** Design (Visual Communication Design), MSD
**Campus:** Tempe

**Program Description:** The MSD with a concentration in visual communication design at The Design School is a degree program meant for individuals interested in advanced studies in visual language, history, theory, criticism and methodology, design processes and technology.

Through a specialized research and design skills curriculum, students develops an understanding of contemporary graphic design issues.

**Degree Requirements:**
36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).
Students may choose to complete their graduate work by way of a thesis or an applied project.

A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing.

The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they

must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information for two references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students are required to submit proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) through either the TOEFL or the IELTS if their native language is not English. The minimum score for admission to the program is 80 on the TOEFL iBT or an overall band score of 6.5 on the IELTS.

When applying for admission, applicants must declare a concentration. Students should see the department website for an approved list of graduate programs.

The portfolio, letter of intent, resume and contact information of two references must be submitted via Slideroom (https://asudesign.slideroom.com (https://asudesign.slideroom.com/#/Login)). The Design School requires that these be submitted in addition to the graduate application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

GRE scores are not required.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

**Career Opportunities:** This program prepares the graduate for a career in graphic design education or advanced design professions.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Design, Environment and the Arts, PHD (HIDEAPHD)

**Online Degree Search Title:** Design, Environment and the Arts, PhD
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The PhD in design, environment and the arts is an individualized, institute-wide, transdisciplinary degree program that integrates graduate courses and faculty research with expertise in design; health care and healing environments; history, theory and criticism; and digital culture in design.

Broad in scope, the program is at the cutting edge of creating new knowledge in architecture, design and the arts. It complements transdisciplinary research in other disciplines within the university. The program provides research experience for students who wish to pursue careers in industry as members of interdisciplinary design teams on environmental and energy issues as well as for those who wish to teach in the architecture, design or the arts fields.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Up to 30 credit hours from a previously awarded master's degree can count toward the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's degree, 12 must be dissertation credit and 12 may be research. These 24 credit hours plus the remaining 30 credit hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program.

The student is required to take 15 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the area of focus; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in the field of architecture, graphic design, industrial design, interior design, landscape architecture or fine arts from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design; history, theory and criticism; digital culture in design; or health care and healing environments)
- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. A TOEFL iBT score of at least 100 or an overall IELTS band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English.

International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU, and become certified. Additional information is available on the department website.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Applicants must be familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Students should introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The letters of recommendation preferably would be academic, although they could be professional. Applicants must provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Candidates are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their To Do list. Once a recommender has submitted the letter of recommendation, the recommender's name is removed from the To Do list. All letters must be in English.

Applicants should identify a proposed research topic or list of possible topics that aligns with the research mission of the program and the research interests of faculty.

The application is considered incomplete if any of the items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores (optional); previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon receipt of the written recommendation from the program director, the dean of the Graduate College notifies all applicants in writing of the admission decision.

Applicants should see the program website for application deadlines.

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts

https://herbergerinstitute.asu.edu/
CDN 162E
designgrad@asu.edu
480-965-3536

## Design, Environment and the Arts (Design), PHD (HIDEADSPHD)

**Online Degree Search Title:** Design, Environment and the Arts (Design), PhD
**Campus:** Tempe

**Program Description:** The PhD in design, environment and the arts with a concentration in design is a flexible, interdisciplinary program that permits designers to develop the experience, skills and framework they need in order to become competent researchers, scholars, innovators, visionaries and leaders in the various disciplines of design, environment and the arts.

Broad in scope, the program involves interdisciplinary research interests at both the micro- and macro-scales of design, environment and the arts. There are opportunities for research specialization in areas such as:

- global health and human factors
- history, culture, theory and philosophy
- social justice, placemaking and placekeeping
- sustainability and resilience
- technology, innovation and entrepreneurship

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
EPD 700 Research Methods (3)
EPD 710 Current Research in Design (3)

Concentration (15 credit hours)
DSC 558 Lighting Design (3)
DSC 594 Conference and Workshop (3)
EPD 791 Seminar (3)
GRA 501 Creative Environment and Collaborative Leadership (3)
GRA 561 Methods in Visual Communication I (3)
GRA 562 Methods in Visual Communication II (3)
GRA 581 Internship in Teaching Design (3)
GRA 590 Reading and Conference (3)
INT 515 Decorative Arts in Historic Interiors: A Thematic Overview (3)
INT 516 Textiles in Historic Interiors: Appearance, Function, Symbolism (3)

Electives or Research (51 credit hours)
EPD 790 Reading and Conference (9)
EPD 792 Research (12)

Culminating Experience (12 credit hours)
EPD 799 Dissertation (12)

Additional Curriculum Information
Students choose five courses from the list of concentration courses above. Other equivalent courses may be used as concentration coursework with approval of the supervisory committee.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in a closely related field from a regionally accredited institution. Examples of appropriate fields include art history, architectural history and design history. Fields in the humanities such as history, literature, archaeology and anthropology also may be considered. Students without graduate experience in the history of art, history of architecture and history of design may be asked to fulfill deficiencies.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- personal statement
- abstract of proposed research
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must submit the personal statement, abstract of proposed research and contact information for two references to Slideroom (https://asudesign.slideroom.com/#/Login (https://asudesign.slideroom.com/#/Login)). It is required that these be submitted in addition to the Graduate College application requirements.

**Career Opportunities:** More than 80 people have completed the program, and many are pursuing university teaching and research careers in design, environment and the arts fields. Others have careers leading planning and design firms or are engaged in business, industry, government and advocacy careers.

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/node/40629
CDN 152E
designgrad@asu.edu
480-965-3536

## Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)

**Online Degree Search Title:** Design, Environment and the Arts (Digital Culture in Design), PhD
**Campus:** Tempe
ASU is not currently accepting applications to this program.
**Program Description:** The PhD program in design, environment and the arts with a concentration in digital culture in design focuses on the role of computational systems in enhancing creativity and the quality of human design. Graduates of the program should be thinkers as well as doers; they should learn to question the existing paradigms that govern the digital world as they impact design and the arts; they should be able to analyze systematically how digital tools affect the way designers and artists think, conceptualize, create and evaluate their designs and artwork; and, as a result, they should be able to come to a unique synthesis, leading the way in these fields.

This concentration program primarily explores the impact of digital culture on how built environments, products and visual communications are designed and analyzed by design professionals and are utilized by their intended audience. Students should be able to systematically question existing paradigms and ontologies of digital tools, evaluate the new paradigms that emerge as a result of digital culture, and propose new frameworks for design disciplines. Issues such as user interface design for new products, computer simulation of performance of buildings and products, effects of digital tools on architectural form giving, digital design processes, better incorporation of human factors into design tools, usability and interaction design are some examples of faculty expertise and areas of focus.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
EPD 700 Research Methods (3)
EPD 710 Current Research in Design (3)

Required Concentration (12 credit hours)

Research and Approved Electives (24 credit hours)

Culminating Experience (12 credit hours)
EPD 799 Dissertation (12)

Other Requirements (30 credit hours)
a previously awarded master's degree or approved relevant coursework (30)

Additional Curriculum Information
Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being

admitted to the program. Up to 30 credit hours from a previously awarded master's degree can count toward the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's degree, 12 must be dissertation credit and 12 may be research. These 24 credit hours plus the remaining 30 credit hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program.

The student is required to take 12 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the concentration; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the field of architecture, graphic design, industrial design, interior design, landscape architecture, arts media or engineering from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design, history, theory and criticism; digital culture in design; or health care and healing environments)
- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. A TOEFL iBT score of at least 100 or an overall IELTS band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English.

International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU and become certified. Additional information is available on the department website.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Applicants must be familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program.

The letters of recommendation preferably would be academic, although they could be professional. Applicants are to provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Applicants are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their To Do list. Once a recommender has submitted the letter of recommendation, the recommender's name is removed from the To Do list. All letters must be in English.

Applicants should identify a proposed research topic or list of possible topics that aligns with the research mission of the program and the research interests of faculty.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Students should introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The application is considered incomplete if any of the application items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The

recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College notifies all applicants in writing of the admission decision.

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu
CDN 162 E
designgrad@asu.edu
480-965-3536

## Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)

**Online Degree Search Title:** Design, Environment and the Arts (Healthcare and Healing Environments), PhD
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The health care and healing environments concentration under the PhD program in design, environment and the arts focuses on the integration of evidence-based design, sustainable science and best practices benchmarks when planning health care facilities. Facility-related responsibilities supported by this area cluster into seven functional work units:

- facilities analysis (physical and environmental)
- human factors and user needs
- interior planning and design
- programming (long-range planning)
- research methodologies
- space management and planning
- strategic planning

This multidisciplinary program integrates the principles of medical and clinical innovations, interior architecture, human health services, communication studies, architecture and behavioral and engineering sciences. Students in this program are mentored by local health care design consultants, teaming with nursing students and working directly with real clients and corresponding with forward thinking health care research centers.

Graduating students are able to address contemporary issues facing the health care industry, address health care environments on multiple levels, apply evidence based research techniques and effectively communicate with clinicians.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
EPD 700 Research Methods (3)
EPD 710 Current Research in Design (3)

Concentration (18 credit hours)

Electives or Research (48 credit hours)
EPD 792 Research (12)
other electives or research (36)

Culminating Experience (12 credit hours)
EPD 799 Dissertation (12)

Additional Curriculum Information
Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If the student has not completed a master's degree, elective courses approved by the supervisory committee may be substituted.

The student is required to take 18 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the area of concentration.

Students are not allowed to use transfer credits to fulfill the 54 credit hour minimum requirement for resident credit. Each student entering the

program is required to submit a plan of study during the first year.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in the field of design, interior design, architecture, nursing or other related fields from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design, history, theory and criticism; digital culture in design; or health care and healing environments)
- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. A TOEFL iBT score of at least 100 or an overall International IELTS band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English.

International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU, and become certified. Additional information is available on the department website.

Ideal candidates must already hold a master's degree in design, interior design, architecture, nursing or other related fields. A statement of intent will express interest in the health care research and design concentration. If students enter the program with no design or health care background, they must take certain deficiency courses.

The letters of recommendation preferably would be academic, although they could be professional. Applicants provide the names and contact information of three recommenders at the time of their online application. Recommenders receive an email with a link to the online letter of recommendation to complete. Applicants are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their To Do list. Once a recommender has submitted the letter of recommendation, the recommender's name is removed from the To Do list. All letters must be in English.

Applicants should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Applicants are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The application will be considered incomplete if any of the application items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College notifies all applicants, in writing, of the admission decision.

**Career Opportunities:** Graduates may pursue advanced positions in the following arenas:

- elite consulting firms as facility programmers
- large health care systems and corporations as strategic planners
- leading manufacturers and vendors as expert representatives
- planning divisions in architectural and planning firms as medical planners

- research centers as decision-makers

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/degree-programs/design-environment-and-arts-healthcare-healing-environments-phd
CDN 162E
designgrad@asu.edu
480-965-3536

## Design, Environment and the Arts (History, Theory, and Criticism), PHD (HIDEAHTPHD)

**Online Degree Search Title:** Design, Environment and the Arts (History, Theory and Criticism), PhD
**Campus:** Tempe

**Program Description:** The history, theory and criticism concentration within the PhD program in design, environment and the arts focuses on the theoretical dimensions of architectural, design and art histories including critical discourse in the design or art disciplines. The program offers classes and research across many cultures, geographies and time periods as well as many approaches and methodologies within the art history program. Within this broad-based, on-demand program students gain an encyclopedic knowledge of basic issues in the areas of architecture, design and art history.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus, a dissertation and two foreign language exams.
Required Core (6 credit hours)
EPD 700 Research Methods (3)
EPD 710 Current Research in Design (3)

Required Concentration (15 credit hours; choose five courses)
APH 515 Current Issues and Topics (3)
APH 590 Reading and Conference (3)
APH 598 Special Topics (3)
ARS 501 Methodologies and Art History (3)
ARS 506 Critical Studies in Roman Art (3)
ARS 514 Monasteries, Madonnas and Manuscripts (3)
ARS 533 The Pre-Raphaelites (3)
ARS 574 Art of Japan (3)
ARS 575 Approaches to Chinese Painting (3)
ARS 584 Internship (3)
ARS 585 Women in the Visual Arts (3)
ARS 591 Seminar (3)
ARS 598 Special Topics (3)
ARS 790 Reading and Conference (3)
EPD 790 Reading and Conference (3)

Research (12 credit hours)
EPD 792 or ARS 792 Research (12)

Electives (39 credit hours)

Culminating Experience (12 credit hours)
EPD 799 or ARS 799 Dissertation (12)

Additional Curricular Requirements
A foreign language exam is required in order to show reading knowledge of two foreign languages as demonstrated by the exam administered by the School of International Letters and Cultures (or equivalent) during the program or by a "B" or better (scale is 4.00 = "A") in a reading course such as a 400- or 500-level special topics course (example: ITA 494 or FRE 598 for reading knowledge). These credits do not count toward the degree total unless taken at the 500 level or above and approved by the faculty mentor as a concentration course.

When approved by the student's supervisory committee, this program allows 30 credit hours from a previously awarded master's degree to be used for this program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in any field from a regionally accredited institution. Examples

of appropriate fields include art history, architectural history, design history or fields in the humanities, such as history or literature; archaeology and anthropology may also be considered. Students without graduate experience in the history of art, history of architecture and history of design may be asked to fulfill deficiencies.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- abstract of proposed research
- personal statement
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must submit to Slideroom (https://asudesign.slideroom.com (https://asudesign.slideroom.com/)) the personal statement, abstract of proposed research, and contact information for three references. It is required that these be submitted in addition to the Graduate College application requirements.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** Knowledge and skills gained in this program make graduates more effective in a variety of locations including authentication agencies, antiques reselling and brokerages, gallery spaces and more. A doctorate degree is necessary for responsible administrative posts in museums and higher education and for employment as a university or college faculty member.

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/degree-programs/design-environment-and-arts-history-theory-and-criticism-phd
ART 102
SOAGradCoordinator@asu.edu
480-965-8521

## Digital Culture, MA (HIDGCMA)

**Online Degree Search Title:** Digital Culture, MA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MA program in digital culture is geared toward practitioners of design and the arts who have an interest in engaging in scholarly knowledge creation at the intersection of computational arts and sciences and seek to enhance their practice through expanded engagement with interactive and embodied media theory and design. The degree program allows artists and designers to explore new avenues for real-time media creation that seek to go beyond current paradigms.

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications --- and prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies. Its mission is to improve and facilitate learning, creativity and communication; it does this through the integration of human physical experience and computational and digital media practice-based methods.

Students admitted into the Master of Arts program in digital culture can explore the intersection of:

- critical media theory --- philosophical technologies, speculative design
- engineering --- social and embedded design, system engineering
- experiential media --- interaction design, responsive environments
- machine learning --- AI, augmented reality, virtual reality

- science --- mediated rehabilitation, public participation in science
- sensory --- food design and sensory science, somatic and movement studies
- sound design --- digital composition and performance, acoustic ecology
- sustainability --- sustainability and critical climate studies, urban climate infrastructure

**Degree Requirements:**
33 credit hours including the required applied project course (AME 593).
Required Core (12 credit hours)
AME 520 Movement and Computing (3)
AME 530 Philosophy of Media Technology (3)
AME 531 Experiential Media Philosophy (3)
AME 532 Creating Interactive Media (3)

Electives or Research (18 credit hours)

Culminating Experience (3 credit hours)
AME 593 Applied Project (3)

Additional Curriculum Information
Students should check with the academic unit regarding appropriate electives coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in one of the following areas from a regionally accredited institution: arts, humanities, design, media studies, computer science, engineering or a closely related field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letters of recommendation
- portfolio
- statement of purpose
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

A portfolio is required; however, submissions will vary depending on the background of each prospective student due to the transdisciplinary nature of the program. Applicants from a wide variety of disciplines are expected to be interested in the master's degree. Key works will be requested from applicants to illustrate the types of skills they wish to develop in the master's degree program. Examples include games they have designed and programmed, interactive installations and performances (submitted as video), websites they have created or programmed, music they have composed digitally or films they have made.

The statement should explain, in a concise and persuasive manner, how the student's educational, professional and personal experiences inform their research and creative interests, and it should elaborate on any aspect of their background that supports candidacy to the School of Arts, Media and Engineering.

**Career Opportunities:** Graduates of the Master of Arts program in digital culture go on to careers in areas such as:

- acoustics research
- communications
- graphic design
- marketing
- mobile development
- sound design
- 3D modeling

**Contact Information:**
Design and the Arts, Herberger Institute for

Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/
STAUF-B 217
ameed@asu.edu
480-965-9438

## Industrial Design, MID (HIINDMID)

**Online Degree Search Title:** Industrial Design, MID
**Campus:** Tempe

**Program Description:** The MID in industrial design is a studio-based program in which students learn to design new products, systems, services, experiences or businesses by envisioning the future.

Students engage in research, brainstorming, idea visualization, prototyping and testing creative solutions that address different stakeholders' challenges while facing a new competitive industry environment. During the program, students are encouraged to work in a transdisciplinary way to harness creativity to resolve problems and co-create solutions to improve the user experience, capturing value for the industry while being responsible for the environment.

The program includes a design trip as a unique guided learning experience, in which students visit places like Tokyo, Milan or San Francisco, engaging in a deeper level with the industries and the industrial design practice, discovering a more optimistic way of looking at the future by reframing problems as opportunities.

Graduates of this program are adept in using principles of design innovation, sustainability and systems thinking in problem-solving.

**Degree Requirements:**
60 credit hours including the required capstone course (IND 622).
Required Core (40 credit hours)

Electives (12 credit hours)

Other Requirement (3 credit hours)
IND 584 Internship (3)

Culminating Experience (5 credit hours)
IND 622 Advanced Industrial Design Studio IV (5)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

The Master of Industrial Design program includes sequential studio courses. Requirements involve an average of 14 credit hours per semester. An internship is required during the summer prior to the final year.

Additional deficiency coursework is required for students who are in the three-year plus program; students should see the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a portfolio
- letter of intent
- contact information of two references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) through either the TOEFL or the IELTS regardless of their current residency. The minimum score for admission to the program is 80 on the TOEFL iBT or an overall band score of 6.5 on the IELTS.

The Design School requires that the portfolio, letter of intent and references be submitted via SlideRoom in addition to the Graduate College application requirements. https://asudesign.slideroom.com/#/Login (https://asudesign.slideroom.com/#/Login)

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they need to go through the entire application process again for the year in which they are applying.

A GRE test is not required.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary; this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Admission requirements for the two-year program
Applicants must hold a minimum of a bachelor's degree or equivalent or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as industrial design or product design.

Admission requirements for the three-plus year program
Applicants must hold a bachelor's degree or equivalent from a regionally accredited college or university of recognized standing in a field other than industrial design.

**Career Opportunities:** Graduates are able to apply critical thinking and design skills in a variety of settings. They find positions in industry and academia and also develop startup ventures, some examples include:

- design consultant
- design strategist
- head of innovation
- interaction designer
- product design director
- senior industrial designer
- senior product design manager
- senior UI/UX product designer
- university faculty
- UX strategist

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Innovation and Venture Development, MS (HIIVDMS)

**Online Degree Search Title:** Innovation and Venture Development, MS
**Campus:** Tempe

**Program Description:** The MS program in innovation and venture development integrates the most advanced practices and technologies from business, engineering and design in a transdisciplinary, experience-based program that prepares the next generation of leaders with skills needed for launching successful ventures in any industry or sector, inside existing organizations or as new entities.

Graduates are prepared to lead cross-disciplinary teams in a world of growing uncertainty and ambiguity. They can identify needs and evaluate opportunities, generating insights from real-world problems; innovate solutions; and create and launch scalable business models that provide value to all stakeholders. Founders with this innovation and venture development degree from ASU can define a new standard for venture development.

**Degree Requirements:**
30 credit hours including the required capstone course (IVD 661).
Required Core (18 credit hours)
IVD 525 Fundamentals of Entrepreneurial Leadership (3)
IVD 560 Innovation Studio I: Discovery and Insight (3)
IVD 561 Innovation Studio II: Problem Reframing (3)

IVD 562 Innovation Studio III: Explore, Fail, Solve (3)
IVD 630 Scaling Entrepreneurial Leadership (3)
IVD 660 Innovation Studio IV: Business Model (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)
IVD 661 Innovation Studio V: Scale (6)

Additional Curriculum Information
Students should see the academic unit for a list of approved elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College, the Herberger Institute for Design and the Arts, the Ira A. Fulton Schools of Engineering and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in business, design, engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The applicant's written statement should describe an instance from the professional background outlining the applicant's use of innovation and entrepreneurial experience.

**Career Opportunities:** Career opportunities include:

- chief innovation officer
- creative developer
- director of engineering
- founder or CEO
- innovation manager
- management consultant
- marketing director
- product developer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Dean, Herberger Institute for Design and the Arts
https://design.asu.edu/
CDN 162
msivd@asu.edu
480-965-3536

## Interior Architecture, MIA (HIIAMIA)

**Online Degree Search Title:** Interior Architecture, MIA
**Campus:** Tempe

**Program Description:** The MIA program in The Design School is a studio-based degree program that provides a focused experience for students with an undergraduate degree in interior design or architecture. For students without this background, an additional three semesters of study are available.

Focusing on the development of groundbreaking design solutions to contemporary and emergent societal issues such as sustainability and community engagement, this program draws upon history, theory and criticism to inform a collaborative, evidence-based approach to the design of interior environments. This provides a foundation of transdisciplinary learning to assist in the understanding of integrated practice.

The Master of Interior Architecture degree is accredited by the Council for Interior Design Accreditation.

**Degree Requirements:**
56 credit hours including the required capstone course (INT 622).
Students should see the academic unit for the course list. Additional coursework is required if the student needs to take deficiency courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of two references submitted via SlideRoom (https://asudesign.slideroom.com/#/Login (https://asudesign.slideroom.com/#/Login))
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

A GRE test is not required.

The Design School requires that the portfolio, letter of intent and reference information be submitted in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Student should keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Admission Requirements for the Two-year Program:
All applicants must have completed a minimum of a bachelor's degree or equivalent in interior design or interior architecture from a Council for Interior Design Accreditation-accredited program or a four-year degree in architecture from a National Architectural Accrediting Board-accredited program.

Admission Requirements for the Three-plus-year Program:
All applicants must have completed a minimum of a bachelor's degree or equivalent in a field other than in interior design, interior architecture or architecture.

**Career Opportunities:** The Master of Interior Architecture is a studio-based, professional degree program that prepares graduates to fill leadership positions in interior architecture, interior design practice and education.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Completion of the degree qualifies a graduate to seek work experience as an interior designer and then sit for the National Council of Interior Design Qualification examination.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu

CDN 162
designgrad@asu.edu
480-965-3536

## Landscape Architecture, MLA (ARLDEMLA)

**Online Degree Search Title:** Landscape Architecture, MLA
**Campus:** Tempe

**Program Description:** The MLA program at The Design School is an accredited graduate professional degree (https://design.asu.edu/about/accreditation) that prepares students for professional practice, advanced study and leadership in landscape architecture. The master's degree integrates knowledge from arts, science and technology and trains students to design our built environment through integrated systems thinking and transdisciplinary knowledge and skills, and cultivates capacity in working with communities to address pressing issues such as climate change and environmental justice.

The Master of Landscape Architecture program offers three pathways to accommodate applicants with various backgrounds. Applicants from diverse and non-design background are encouraged to apply. Students can complete the program in two to three years, depending on the focus of your bachelor's degree. The graduate program also prepares students for advanced research study toward a doctoral degree.

This program shares the values and supports landscape architecture profession's mission for designing more sustainable, resilient, and just neighborhoods, cities and regions.

The Master of Landscape Architecture program is accredited by Landscape Architectural Accreditation Board, www.asla.org/accreditationlaab.aspx (www.asla.org/accreditationlaab.aspx).

The MLA program is a STEM-designated degree program in the United States.

**Degree Requirements:**
56 credit hours and a thesis, or 56 credit hours including the required applied project course (LDE 593), or 56 credit hours including the required capstone course (LDE 622).
Required Core (15 credit hours)
LDE 521 Advanced Landscape Architectural Studio I (5)
LDE 522 Advanced Landscape Architectural Studio II (5)
LDE 621 Advanced Landscape Architectural Studio III (5)

Research (9 credit hours)

Electives (8 to 9 credit hours)

Other Requirements (18 credit hours)

Culminating Experience (5 or 6 credit hours)
LDE 593 Applied Project (5) or
LDE 599 Thesis (6) or
LDE 622 Advanced Landscape Architectural Studio IV (5)

Additional Curriculum Information
Students take eight to nine credit hours of design professional electives depending on the culminating experience. Students should see the academic unit for an approved elective list. For the research and other requirements sections, other courses may be used with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- online graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of two references submitted via SlideRoom (https://asudesign.slideroom.com/#/Login (https://asudesign.slideroom.com/#/Login))
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The minimum score for admission to the program is 80 on the TOEFL iBT or an overall band score of 6.5 on the IELTS.

Other information can be found at the ASU Admission site (https://admission.asu.edu/international/graduate/english-proficiency).

The Design School requires that the portfolio, letter of intent and reference information be submitted in addition to the Graduate College application requirements.

Applicants are encouraged to report GRE scores, especially if the applicant's background is broad or other than a traditional design major, but it is not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted; otherwise, they need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Additional Admission Information

Admission Requirements to the 2-Year Pathway
An applicant must have completed a four-year or five-year bachelor's degree with a major in landscape architectural studies or be a licensed landscape architect. The undergraduate degree must be granted by an institution that offers the Landscape Architectural Accreditation Board or equivalent accredited degree program in landscape architecture.

Admission Requirements to the 2-Plus Pathway
Applicants must have earned an undergraduate or graduate degree in architecture, urban design, landscape design, planning, urban design, environmental or a related design field or applicants with a baccalaureate degree with a major or minor in landscape design.

Admission Requirements to the 3-Year Pathway
Applicants must have earned a baccalaureate or graduate degree in any field other than landscape architecture or a design-related field.

Deficiency Coursework
If a student is assigned any deficiency coursework by the academic unit upon admission depending on the undergraduate background, those courses must be completed with a grade of "B" (3.00) or higher before completing the master's program required coursework. As an MLA student assigned deficiencies, there are two pathways.

Deficiency courses may include:

LAP 231 Introduction to Digital Applications for Designers
LAP 251 Plant Materials for Sustainable Landscapes
LAP 311 History of Landscape Architecture
LAP 312 20th Century Landscape Architecture
LAP 332 GIS Applications in Environmental Design
LAP 341 Landscape Construction I
LAP 342 Landscape Construction II
LAP 352 Ecosystems and Sustainable Design
LDE 590 Topic: Core Landscape Architectural Studio I
LDE 590 Topic: Core Landscape Architectural Studio II

**Global Opportunities:**
Global Experience: The Design School is committed to the merging of global and local contexts and experiential learning through traveling experiences. Graduate students may incorporate travel as part of their studio design learning experience. The school also offers a number of summer study abroad programs in an effort to extend the learning opportunities through field studies and global engagement.

**Career Opportunities:** The Master of Landscape Architecture program prepares graduates to work in a diverse aspects of the landscape architecture profession encompassing public and private sectors as well as not-for-profit organizations. Some examples for the type of work include:

- climate change mitigation and adaptation
- community development
- creative placemaking and placekeeping
- ecosystem services and restoration
- environmental and climate justice

- low-impact development
- parks, open space, and recreation
- transportation and infrastructure development
- smart cities
- sustainable cities and landscapes

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

For detailed information on licensure requirements, students should contact the Council of Landscape Architectural Registration Boards, www.clarb.org/ (www.clarb.org/).

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Media Arts and Sciences, MS (HIDGCMS)

**Online Degree Search Title:** Media Arts and Sciences, MS
**Campus:** Tempe

**Program Description:** The MS program in media arts and sciences is designed for practitioners and makers in design and the arts who have an interest in software and system development and seek to enhance their practice through expanded engagement with interactive, embodied media design in an interdisciplinary environment. The program allows artists and designers to explore new avenues for real-time media creation that seek to go beyond current paradigms.

Coursework also explores current practices in various contexts (performance environments, health and wellbeing, social media and communication) as well as engineering-based approaches to developing experiential systems with social impact.

**Degree Requirements:**
33 credit hours including the required applied project course (AME 593).
Required Core (9 credit hours)
AME 520 Understanding Activity (3)
AME 530 Experiential Media Studies I (3)
AME 532 Media Synthesis (3)

Electives (21 credit hours)

Culminating Experience (3 credit hours)
AME 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as arts, humanities, design, media studies, computer science or engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent
- professional resume
- portfolio
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Writing samples can include research writing, published articles and other scholarly work.

Due to the transdisciplinary nature of the program, portfolio submissions can vary based on the prospective student's background. Materials may illustrate the types of skills the applicant possess. Portfolios can be submitted in the form of a website, photos, video, PDFs and other physical documentation. Examples include games designed and programmed by the applicant, music composed by the applicant, performances (submitted as video), and websites they have created or programmed.

The letter of intent should explain the how the applicant's educational, professional and personal experiences inform their research and creative interests, and it should elaborate on any aspect of the background that supports candidacy to the School of Arts, Media and Engineering.

**Career Opportunities:** Graduates of the Master of Science program in digital culture go on to careers in areas such as:

- acoustics research
- communications
- graphic design
- marketing
- mobile development
- museum and curatorial work
- sound design
- 3D modeling

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/masters-degrees-phds/majorinfo/HIDGCMS/graduate/false/50
STAUF-B 217
AMEED@asu.edu
480-965-9438

## Media Arts and Sciences, PHD (FAMASPHD)

**Online Degree Search Title:** Media Arts and Sciences, PhD
**Campus:** Tempe

**Program Description:** Media arts and sciences is a PhD program housed in the transdisciplinary School of Arts, Media and Engineering.

The school educates the next generation of learners and empowers them with technofluency --- its development, application and implications. Students are prepared to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that is increasingly shaped by new technologies.

Doctoral students in this program are provided unique opportunities to engage in knowledge creation at the intersection of computational arts and sciences using the most advanced practice-based and theoretical methods. The opportunity for active participation in transdisciplinary research teams allows media arts and sciences doctoral students to gain valuable experience as both agents of their own research and education, while fostering opportunities for collaborative and embedded research.

At the core of this program is a commitment to designing curriculum tailored to each student-researcher in conjunction with the diverse faculty, labs and centers. This allows students to facilitate the development of innovative, experiential media systems that can respond to the world's most pressing challenges. Students admitted into the media arts and sciences doctoral program can pursue research at the intersection of any of these fields, among others:

- AI, system engineering and machine learning
- auditory culture, digital composition and performance
- critical media theory and philosophical technologies
- food design and sensory science
- interaction design, experiential media and responsive environments
- mediated rehabilitation, and somatic and movement studies
- public participation in science
- social and embedded design
- sustainability and critical climate studies
- VR and AR

**Degree Requirements:**

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
The requirements for this program are comprised of 39 course credit hours, which include 30 from the transdisciplinary media courses offered by the School of Arts, Media and Engineering; 33 research credit hours; and 12 dissertation credit hours. All students are required to take a minimum of two courses under each of the five constituting areas of experiential media (30 credit hours).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in arts, humanities, design, media studies, computer science, engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- curriculum vitae
- statement of purpose
- three letters of recommendation
- portfolio of supporting material
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should explain in a concise and persuasive manner how the student's educational, professional and personal experiences inform their research and creative interests, and the student should elaborate on any aspect of their background that supports candidacy to the School of Arts, Media and Engineering program.

Each applicant must demonstrate entry-level competencies. This can be demonstrated primarily through a portfolio. The portfolio may include previously developed media products, projects or publications demonstrating an understanding of and involvement with digital media and computation. Entry-level competency can also be partially demonstrated through coursework and may include such courses as:

- advanced computer programming
- computer graphics and animation
- computer music
- digital design
- film theory
- interactive technologies
- media authoring tools
- media theory
- multimedia systems
- signal processing

Students should see the program website for application deadlines and admission terms.

**Career Opportunities:** Graduates can go on to careers in areas such as:

- academia
- mobile and web development
- product design
- programming
- research and development across diverse industries
- software engineering
- 3D modeling
- user experience design

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu
STAUF-B 217

ameed@asu.edu
480-965-9432

## Media Arts and Sciences (Extended Reality Technologies), MS (HIDGCERTMS)

**Online Degree Search Title:** Media Arts and Sciences (Extended Reality Technologies), MS
**Campus:** Tempe, ASU at Mesa City Center

**Program Description:** The MS program in media arts and sciences with a concentration in extended reality technologies focuses on the development of innovative tools and methodologies for extended reality and immersive technologies, including simulation, visualization, interaction, computer vision, human-computer interaction, experience design, artificial intelligence and machine learning.

Students develop a fundamental understanding of how emerging media technologies can be used to create virtual worlds that simulate the existing world alongside entirely new ones. In addition, students develop skills in programming languages and software applications necessary to these production workflows, and they have the ability to manage projects; work effectively in collaborative teams transform research into creative and technological products and reflect upon the ethical, cultural and social frameworks within which their work occurs.

This program is unique among emerging media programs through the application of these technologies and practices in socially engaged and transdisciplinary modalities, taking tools that evolved primarily from and for entertainment and applying them to the modeling of real-world challenges and futures.

**Degree Requirements:**
33 credit hours including the required applied project course (AME 593).
Required Core (9 credit hours)
AME 520 Movement and Computing (3)
AME 530 Philosophy of Media Technology (3)
AME 532 Creating Interactive Media (3)

Concentration (12 credit hours)
AME 550 Prototyping Futures (3)
AME 551 Designing Extended-Reality Experiences (3)
GIT 550 Digital Workflow in the Graphics Industry (3)
HDA 581 Emerging Media Colloquium (3)

Electives (6 credit hours)

Other Requirements (3 credit hours)
AME 584 Internship (3)
AME 590 Reading and Conference (3)
AME 592 Research (3)
HDA 580 Practicum (3)

Culminating Experience (3 credit hours)
AME 593 Applied Project (3)

Additional Curriculum Information
For other requirements, students must complete a minimum of 3 credit hours of faculty-led research (AME 592), individualized instruction (AME 590), the design and implementation of public programs (HDA 580), or an internship (AME 584).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in media arts, engineering, design or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

In the letter of intent, applicants should detail their professional goals and the alignment of those goals with the program.

**Career Opportunities:** Graduates of this program are well prepared for careers in a variety of fields related to the application of extended reality technologies and practices. Virtual and augmented reality have obvious and popular applications in entertainment, gaming, workforce development and research, but alumni of this program also have had direct experience with the application of these tools to other areas that can expand their available pathways: urban planning, health care and education, among others. They are ideally suited for the rapidly changing climate of this field.

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/masters-degrees-phds/majorinfo/HIDGCMS/graduate/false/50
GHALL 232
MIXStudents@asu.edu
480-965-9438

## Music (Conducting), DMA (FACONDDMA)

**Online Degree Search Title:** Conducting, DMA
**Campus:** Tempe

**Program Description:** The DMA program in music with a concentration in conducting offers emerging conductors the opportunity to improve their art, craft and scholarship while becoming well-versed in multiple areas of conducting.

Those pursuing this degree take several common courses regardless of emphasis and become acquainted with the repertory and conducting issues for each medium. Coursework emphasizes a thorough knowledge of repertory, historical and analytical issues; an understanding of efficient, effective rehearsal technique; and clear, expressive conducting technique. Doctoral students of conducting receive considerable individual attention and have regular opportunities to rehearse and to conduct a variety of ensembles.

There are three tracks in this degree program:

Choral conducting --- Conductors specializing in choral conducting expand their expertise in global, intercultural approaches to communal vocal musicking and work to integrate this into their pedagogy and rehearsal process. Score study integrates musical, textual and socio-critical analysis in order for students to gain insights into the unique interpretive demands of each work. Gestural study regards integrated approaches of western ideals of conducting with Laban movement, global dance forms and body mapping. Conductors receive a plethora of podium time, both as primary conductors of ASU choral ensembles and as assistant conductors to faculty led ensembles.

Orchestra and opera conducting --- Conductors specializing in orchestra and opera conducting work closely with the director of orchestras and the artistic director of the music theatre and opera program and gain a breadth of experience in both orchestral and opera conducting. Time in front of an ensemble is essential; therefore, conductors have significant podium time as well as twice-weekly studio chamber orchestra classes. Study includes conducting technique, rehearsal technique, leadership, interpretation, score study, audience development and outreach, and career development.

Wind band conducting --- Conductors specializing in wind band conducting study privately with the director of bands and work closely with other members of the conducting faculty, including the director of athletic bands, in order to develop their conducting and rehearsal skills. If interested, wind band conducting students also have opportunities to enhance their work with athletic bands and, if desired, may elect individual study with the director of athletic bands. Furthermore, many students select integrated conducting as their cognate, allowing for in-depth work in a second conducting area.

The doctoral program lecture recital is a performance with the top pool of wind and percussion players in the School of Music, Dance and Theatre and includes repertoire chosen from the complete body of wind band and chamber wind literature.

**Degree Requirements:**
90 credit hours, a written comprehensive exam, an oral comprehensive exam and a research paper.
Conducting Core (18 credit hours)

Specialty Courses (9 credit hours)

Electives (9 credit hours)

Cognate (integrated conducting, instrumental performance or music learning and teaching) (9 credit hours)

Music History and Music Theory (21 credit hours)

Recitals and Research (24 credit hours)

Other Requirement
Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to course enrollment in the ASU School of Music, Dance and Theatre.

Additional Curriculum Information
Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's degree in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted at the School of Music, Dance and Theatre website (https://musicdancetheatre.asu.edu/degree-programs).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students seeking admission typically hold an MM degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee
- official transcripts
- School of Music, Dance and Theatre Application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply), including a resume and personal statement; also, from choral applicants, an uploaded writing sample
- prescreening video
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency: TOEFL iBT score of at least 80, IELTS overall band score of at least 6.5, or Pearson Test of English score of at least 60.

The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

Students should see the program website for application deadlines. After receipt of complete application materials, including recommendation letters, transcripts and English proficiency requirements, and review of prescreening materials, an applicant may be invited for a live audition. Information on the audition may be found at the School of Music, Dance and Theatre auditions page (https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Synthesize performance practices in the context of diverse musical settings and genres.
- •Evaluate specific conducting repertoire and pedagogy to support a unique and professional musical style.
- •Implement an independent research project that makes a unique contribution to the discipline of music performance.

**Career Opportunities:** School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- artistic director
- arts administrator
- community arts advocate
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/conducting-dma
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music (Ethnomusicology), MA (FAETHNMA)

**Online Degree Search Title:** Ethnomusicology, MA
**Campus:** Tempe

**Program Description:** The MA program in music with a concentration in ethnomusicology helps students develop skills in scholarship and performance as they focus on aspects of one or more of the world's musical cultures.

Students can explore performance styles outside the Western European canon through participation in ensembles such as Javanese gamelan, Latin marimba, mariachi, steel pan and African drumming.

As a culminating demonstration of professional capability in the major field, the student must submit a final project that demonstrates advanced competence in research and writing in musicology or ethnomusicology. The final project may be a thesis, a series of special papers or a written work of equivalent scope and depth.

**Degree Requirements:**
30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.
Required Core (13 credit hours)
MHL 532 Music Bibliography (3)
MHL 668 Introduction to Ethnomusicology (3)
MUP 587 Ethnomusicology Ensembles (2)
music theory (5)

Electives (9 credit hours)
music electives (6-9)
open electives (0-3)

Research (2 credit hours)
MHL 592 Research (2)

Culminating Experience (6 credit hours)
MHL 599 Thesis (6)

Additional Curriculum Information
MHL 592 Research is taken concurrently with the second semester of MUP 587 Ethnomusicology Ensembles.

At least 20 credit hours for the program must be in the field of ethnomusicology or related fields approved by the student's advisor, complemented by courses in music theory, performance and cultural anthropology as listed above. Appropriate elective coursework is reviewed and approved by the academic unit prior to inclusion on the student plan of study. No more than three credit hours of musicology may apply to the music electives requirement.

Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

A passing grade on the foreign language exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted under each degree at the program website (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the

Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution or from an international institution officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply), including a resume, personal statement and writing sample
- three letters of recommendation
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact MDTAdmissions@asu.edu for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Students will be able to write research papers applying the conventions of scholarly discourse in music.
- •Students will be able to apply, in written and oral exams, a synthesis of knowledge of a chosen or designated field of inquiry within ethnomusicology.

- •Graduates of the MA in music, ethnomusicology concentration, will be able to implement a large-scale independent research project that makes a unique contribution to the discipline of ethnomusicology.

**Career Opportunities:** Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

- arts administrator
- community arts advocate
- ethnomusicologist
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music/musicology?dept=392823&id=1
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music (Interdisciplinary Digital Media), DMA (FAINTDDMA)

**Online Degree Search Title:** Music (Interdisciplinary Digital Media), DMA
**Campus:** Tempe

**Program Description:** The DMA program in music with a concentration in interdisciplinary digital media is a unique collaboration of the School of Music, Dance and Theatre and School of Arts, Media and Engineering. This degree program is designed for students who have interests and the creative skills to work within a cross-section of the arts and sciences.

Program offerings extend beyond typical music coursework of the School of Music, Dance and Theatre, to allow more opportunities for digital sound and experimental media projects.

The program also allows the School of Music, Dance and Theatre and its students to be actively involved in current developments in the ever-changing field of media and digital culture. The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses in electronic music are invaluable assets to music students, with resources that complement existing and future courses in electronic music.

Students are encouraged to develop their own compositional voices and focus on their area of interest, regardless of style or aesthetics, while developing a breadth of knowledge through coursework and private lessons with the composition faculty.

This program provides extensive faculty interaction from both the School of Music, Dance and Theatre and the School of Arts, Media and Engineering.

**Degree Requirements:**
90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (25-27 credit hours)
Music Theory Core Area (12-19)
Music History Core Area (6-15)

Concentration (33 credit hours)
MTC 523 Advanced Composition (6)
MTC 723 Advanced Composition (6)
Arts, Media and Engineering coursework (21)

Electives (9-11 credit hours)

Research (9 credit hours)
MTC 792 Research (9)

Culminating Experience (12 credit hours)
MTC 799 Dissertation (12)

Additional Curriculum Information
Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Concentration coursework for the Arts, Media and Engineering area must be from the AME prefix.

This program accepts up to 30 credit hours from a previously awarded master's degree with approval from the academic unit and the Graduate College that may be used toward the hours required for the elective and concentration coursework.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted at the school website (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country and officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee

• School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including a resume and personal statement)
• official transcripts
• prescreening portfolio
• three letters of recommendation
• proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. In order to meet English proficiency requirements, students should have a TOEFL iBT score of at least 80, or IELTS overall band score of at least 6.5, or Pearson Test of English score of at least 60.

The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

Students should see the program website for application deadlines.

After all application materials are received and reviewed, including recommendation letters, transcripts and English proficiency requirements, an applicant may be invited for a live interview. Information about the interview may be found at the school's audition page (https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Apply software engineering skills to music, sound, and video.
•Apply knowledge of music history and music theory to engineering disciplines.
•Design a major independent research project that makes a unique contribution to the discipline of Interdisciplinary Digital Media.

**Career Opportunities:** The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

• arts administrator
• community arts advocate
• composers for film, video games, television
• performing musician
• public or community school teacher
• university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music-interdisciplinary-digital-media-dma
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music (Music Composition), DMA (FACOMPDMA)

**Online Degree Search Title:** Music Composition, DMA
**Campus:** Tempe

**Program Description:** The DMA in music with a concentration in music composition is a comprehensive professional degree program designed for outstanding students of acoustic, electronic and multimedia composition who are preparing for professional careers, including teaching positions at the university level.

Students are encouraged to develop their own compositional voices and focus on their area of interest, regardless of style or aesthetics, while developing a breadth of knowledge through coursework and private lessons with the composition faculty.

Composers have multiple performance opportunities each year, ranging from collaborations with student performers, readings by the Visiting Quartet Residency Program, readings by the ASU Symphony Orchestra as part of the orchestra composition competition, year-long residencies with the ASU Wind Ensembles, student commissions for the PRISMS contemporary music festival, and collaborations with student filmmakers.

This degree program provides extensive faculty interaction as well as opportunities to develop advanced skills in compositional techniques from a wide variety of styles and traditions with emphasis on fostering students' personal approach to composition. The opportunity to collaborate with music scholars, theorists, performers, educators and other composers provides students with a broad and well-rounded foundation for advanced careers in music.

**Degree Requirements:**
90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
The credit requirements for the degree are distributed as follows:

major area (composition, music technology, electives) (36 credit hours)
music theory and music history (30 credit hours)
research (12 credit hours)
dissertation (12 credit hours)

The music composition concentration requires the creation of a significant original work of music (considered to be a dissertation) and either two article-length research papers or a substantial paper.

Additional Curriculum Requirements
Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years in the program beyond the master's degree. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Additional information about degree requirements for all graduate music programs may be found on the check sheets at the graduate music degrees page (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of a bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including a resume and personal statement)
- official transcripts
- prescreening portfolio
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL iBT score of at least 80, an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After receipt of complete application materials, including recommendation letters, transcripts and English proficiency, and review of prescreening materials, an applicant may be invited for an interview. Information about the interview may be found at the graduate music degrees page (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Compose original works, applying theoretical understanding of musical techniques.
- •Create a significant original work that integrates and synthesizes various principles of composition.
- •Interpret specific musical products within the context of a specific theoretical, historical, or cultural tradition.

**Career Opportunities:** The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composer for film, video games, television
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music-composition-dma
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music (Music Learning and Teaching), PHD (FAMUSEDPHD)

**Online Degree Search Title:** Music (Music Learning and Teaching), PhD
**Campus:** Tempe

**Program Description:** The PhD in music with a concentration in music learning and teaching is a world-class transformative degree for musician-teacher scholars who seek careers in musical and educational leadership.

Doctoral students of music learning and teaching are immersed in an open, inclusive and multifaceted community of dynamic partnerships, research and teaching collaborations. Each semester, students work with outstanding faculty on creative projects and initiatives that lead to independent and co-authored research and publication, and they have opportunities to diversify their thinking and further their goals by collaborating with internationally recognized faculty in other schools and colleges at ASU.

The music learning and teaching doctoral program includes highly specialized study in music education, elective studies with scholars and artists in the Herberger Institute for Design and the Arts, and opportunities for transdisciplinary elective study with faculty in schools and colleges across the university. A plan of study is designed by the student in consultation with the faculty to support a research trajectory identified by the student.

Research conducted by students in the music learning and teaching concentration aims to reexamine, interrogate and broaden discourse, practice and policy in music education, and to expand music and education scholarship by challenging methodological and disciplinary boundaries. Students analyze what is and imagine what could be. They complete the program with dissertation research that springboards to the next phase of their careers.

**Degree Requirements:**
90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (10 credit hours)
MSI 601 Contemporary Topics in Music Research (2)
MSI 602 Current Issues in Music Research (2)
MSI 755 Historical Research in Music (3)
MTC 520 Analytical Techniques (3)

Concentration (30 credit hours)

Electives (29 credit hours)

Research (6 credit hours)

Other Requirements (3 credit hours)
MUE 784 Internship (3)

Culminating Experience (12 credit hours)
MUE 799 Dissertation (12)

Additional Curriculum Information
Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Students should see the academic unit for a complete list of approved electives.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. A minimum of two semesters must be spent in continuous full-time residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the check sheets (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including curriculum vitae, personal statement and a writing sample)
- official transcripts
- teaching demonstration video
- GRE or MAT scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL iBT score of at least 80, or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60. More information about English proficiency requirements is available on the Admission Services (https://admission.asu.edu/international/graduate/english-proficiency) website.

Applications are accepted and reviewed on a rolling basis until all spaces are filled. Applicants are encouraged to apply as early as possible. Students should see the program website for more information on application deadlines. To ensure prompt processing of application, students should email MDTAdmissions@asu.edu (mailto:MDTAdmissions@asu.edu) after submitting an application. An interview with the music learning and teaching doctoral faculty in person or via electronic media is scheduled after review of application materials. GRE or MAT scores may be submitted after deadlines, but these must be received before enrollment at ASU.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Design individual teaching practices that are appropriate to a beginning faculty position in music education at college level.
- •Implement a major independent research project that makes a unique contribution to the field of music learning and teaching.
- •Apply research methods to conduct independent research.

**Career Opportunities:** Graduates have many possible career options and pathways.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music. Graduates become scholars, researchers, music and arts administrators, and public policy advisors to education and arts organizations or civic and governmental groups.

Career examples include:

- arts administrator
- community arts advocate
- community arts educator
- performing musician
- public or community school teacher
- teaching artist
- university professor
- worship music leader
- youth development facilitator

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music/music-learning-and-teaching?dept=392823&id=1
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music (Musicology), MA (FAMHISTMA)

**Online Degree Search Title:** Music (Musicology), MA
**Campus:** Tempe

**Program Description:** In the MA program in music, faculty members provide and participate in multisensory learning experiences concerning musical genres, styles and forms, performance and listening practices, instruments, spaces, philosophies, musical infrastructures and geographic locations.

The faculty comprises leading scholars specializing in western and non-Western music, particularly traditions in the Americas and Eastern Europe (Russia, Ukraine, USSR), and music of the Middle East, Central Asia, Latin America, and Indonesia as well as medieval music cultures, the long nineteenth century, jazz, music in popular cultures, musical modernism and experimentalism, intellectual property law, cultural policy, improvisation, sound studies, ecomusicology, dance and embodiment, and music's role in well-being.

The student must submit a final project that demonstrates advanced competence and professional capability in research and writing in musicology or ethnomusicology. The culminating project may be a thesis, a series of special papers or a written work of equivalent scope and depth.

**Degree Requirements:**
30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.
Required Core (14 credit hours)
MHL 532 Music Bibliography (3)
MHL 691 Seminars (6)
music theory (5)

Electives (8 credit hours)
music electives (5-8)
open electives (0-3)

Other Requirement (2 credit hours)
performance ensembles (2)

Culminating Experience (6 credit hours)
MHL 599 Thesis (6)

Additional Curriculum Information

Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

At least 20 credit hours of this program must be in the field of music history and literature.

Appropriate elective coursework is reviewed and approved by the academic unit prior to inclusion on the student's plan of study. Students may not apply more than three credit hours of ethnomusicology courses toward their plan of study.

A passing grade on the foreign language exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the check sheets (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including a resume, personal statement and writing sample)
- official transcripts
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL iBT score of at least 80, or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact MDTAdmissions@asu.edu (mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Write research papers applying the conventions of scholarly discourse in music.
- •Apply a synthesis of knowledge of a chosen/designated field of inquiry within musicology to the articulation and defense of a particular scholarly viewpoint.
- •Implement a large-scale independent research project that makes a unique contribution to the discipline of ethnomusicology.

**Career Opportunities:** The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching, arts advocacy, and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- community arts advocate

- musicologist
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music/musicology?dept=392823&id=1
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music (Musicology), PHD (HIMUSMPHD)

**Online Degree Search Title:** Music (Musicology), PhD
**Campus:** Tempe

**Program Description:** The PhD program in music with a concentration in musicology focuses on the scholarly study of sound and music in historical contexts, musical traditions as sociocultural artifacts and behaviors, and performance. These areas are approached through the investigation of genres, styles, forms, performance and listening practices, instruments, spaces, philosophies, musical infrastructures and geographic locations.

Faculty members include Sabine Feisst, Dave Fossum, Kay Norton, Catherine Saucier, Peter Schmelz, Ted Solis, Christi Jay Wells, and faculty associate Bliss Little. They are leading scholars specializing in western and non-Western music, particularly traditions in the Americas and Eastern Europe (Russia, Ukraine, USSR), and music of the Middle East, Central Asia, Latin America, and Indonesia as well as medieval music cultures, the long nineteenth century, jazz, music in popular cultures, musical modernism and experimentalism, intellectual property law, cultural policy, improvisation, sound studies, ecomusicology, dance and embodiment, and music's role in well-being.

Coursework includes historiography, applied musicology, methodologies and pedagogy. Transdisciplinary studies are encouraged with scholars and artists in the School of Music, Dance and Theatre (e.g., a studio professor, music theorist, or composer), the Herberger Institute for Design and the Arts (e.g., a design or dance faculty member), and faculty in schools and institutes across the university (e.g., specialists in languages, regions or cultures).

A plan of study is designed by the student with the faculty to support an individualized research trajectory. Research conducted by students in the doctoral program in musicology aims to examine and interrogate the discipline of musicology and to expand the traditional boundaries of music scholarship by challenging methodological and disciplinary boundaries. The program concludes with a dissertation.

**Degree Requirements:**
90 credit hours, a written comprehensive exam, an oral comprehensive exam, two foreign language exams and a dissertation.
Required Core (10 credit hours)
MSI 601 Contemporary Topics in Music Research (2)
MSI 602 Current Issues in Music Research (2)
MSI 755 Historical Research in Music (3)
MTC 520 Analytical Techniques (3)

Concentration (15 credit hours)
MHL 632 Applied Musicology (3)
MHL 668 Introduction to Ethnomusicology (3)
MHL 691 Seminars (9)

Electives and Research (47 credit hours)

Teaching Experience (6 credit hours)
MHL 684 Internship (3)
MHL 691 Topic: Music History Pedagogy (3)

Culminating Experience (12 credit hours)
MHL 799 Dissertation (12)

Additional Curriculum Information
Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

As part of the concentration coursework, students take three seminars for three credit hours each. Equivalent courses may be used with

preapproval by the student's faculty advisor. No more than six credit hours outside of the School of Music, Dance and Theatre may apply to this requirement.

Teaching experience requirements consist of MHL 691 Music History Pedagogy, in which students examine multiple facets and modalities of teaching music history, and MHL 684 Internship, in which students teach an appropriate undergraduate musicology course as instructor of record, with guidance of the musicology faculty.

Students should see the academic unit for a complete list of approved electives and research courses.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree program. Students entering the program without an earned MA degree will complete the requirements for the Master of Arts in music with a concentration in ethnomusicology or musicology.

Additional information on degree requirements for all graduate music programs may be found on the check sheets (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U. S. bachelor's degree in music or a graduate degree from an accredited college or university of recognized standing in music history, musicology, ethnomusicology or music theory.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL iBT score of at least 80, or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

The School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) must include a curriculum vitae, a two-page personal statement expressing the goal in pursuing this degree and two writing samples. It's preferable that each of the writing samples be a paper from a course, either an upper-level undergraduate course or a graduate course, or an article or document written by the applicant.

Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Write research papers applying the conventions of scholarly discourse in music.
- •Implement a major independent research project that makes a unique contribution to the discipline of musicology.
- •Synthesize knowledge of music history pedagogy in the teaching of an undergraduate course.

**Career Opportunities:** Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

- arts administrator

- community arts advocate
- music and sound art curator
- musicologist
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music/musicology?dept=392823&id=1
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music (Performance), DMA (FAPERFDMA)

**Online Degree Search Title:** Music Performance, DMA
**Campus:** Tempe

**Program Description:** The DMA in music with a concentration in performance is a professional degree program for advanced musicians who desire high levels of performance instruction and experience as well as preparation for teaching positions at the university level.

Students work with faculty mentors toward achieving a professional level of performance through individual recitals, chamber music, and ensembles including choral, orchestral, jazz, musical theatre and opera ensembles, depending on their area of emphasis.

Performance opportunities on and off campus further develop the knowledge and abilities requires for becoming a leader in a musical community through teaching, performing or arts advocacy. The program provides students the opportunity to work closely with an individual faculty mentor and distinguished guest artists to further enhance musical growth. Students serve as leaders, mentors and models for their younger colleagues in performances, pedagogical experiences and community engagement. The opportunity to collaborate with music scholars, theorists, composers, educators, dancers and theatre artists provides students with the variety of experiences and skills they will need for artistic excellence and leadership.

Additionally, students learn skills they will need in order to be a highly successful working musician, including audition preparation, networking, learning organizational strategies, opportunity creation and developing an entrepreneurial mindset.

**Degree Requirements:**
90 credit hours, a research paper, a written comprehensive exam and an oral comprehensive exam.
Required Core (4 credit hours)
MUP 727 Studio Instruction (4)

Performance Concentration (24 credit hours)
MUP 727 Studio Instruction (12)
MUP 796 Solo Performance: Recital (12)

Emphasis Area Coursework (23 credit hours)

Music History and Music Theory (27 credit hours)

Research (12 credit hours)
MUP 792 Research (12)

Culminating Experience (0)
Research paper in the form of a bound document

Additional Curriculum Information
Students select an area of emphasis from the following: piano pedagogy, collaborative piano, instrumental, keyboard and voice. Emphasis coursework depends on the area selected. Students should work in consultation with their academic advisor in the development of their plan of study.

The performance concentration requires at least three recitals after admission to the program and a research paper. Five recitals are required for the collaborative piano emphasis.

Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Thirty credit hours from a previously awarded master's degree may be applied toward the 90 credit hour degree requirement with approval from the academic unit and the Graduate College. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Vocalists: Placement tests in both foreign language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country. Students seeking admission typically hold a Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music program.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply), including a resume and personal statement repertoire list
- official transcripts
- prescreening recording
- three letters of recommendation
- teaching demonstration video (piano pedagogy applicants)
- writing sample (solo piano and piano pedagogy applicants)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL iBT score of at least 80, an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After the applicant's complete application materials are received, including recommendation letters, transcripts and English proficiency, and a review has been conducted of prescreening materials, an applicant may be invited for a live audition. Information about the audition may be found at the school website (https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Synthesize performance practices in the context of diverse musical settings and genres, demonstrating mastery with the literature of one's instrument.
- Assess an instrument’s repertoire and pedagogy to develop a unique and professional musical style.
- Implement an independent research project that makes a unique contribution to the discipline of music performance.

**Career Opportunities:** Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

- arts administrator
- community arts advocate
- composer for film, video games, television

- music therapist
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music-performance-dma
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music Entrepreneurship (Certificate), Certificate (HIMERTGRCT)

**Online Degree Search Title:** Music Entrepreneurship (Graduate Certificate)
**Campus:** Tempe

**Program Description:** Music entrepreneurship is a discipline that intersects the traditional music disciplines. Music entrepreneurship harnesses the skills and mindset of the entrepreneur to empower musicians to create work that is meaningful, sustainable and oriented to community and market need.

Students in music and students with a background in music benefit from the business, marketing and organizational skills offered by certificate courses as applied specifically to and within the arts.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
MUP 538 The Enterprising Musician (3)

Electives (9 credit hours)

Internship (3 credit hours)
MSC 584 Internship (3)

Additional Curriculum Information
In consultation with the faculty coordinator, students select three electives based on their interests and goals for the certificate.

Students should review the check sheet on the program website (https://musicdancetheatre.asu.edu/degree-programs/music-entrepreneurship-graduate-certificate-certificate) for examples of elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in music or related field, from a regionally accredited institution, or can demonstrate a background in music.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants may be admitted to the certificate by submitting a statement of interest outlining their music background and personal goals.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Apply key concepts of entrepreneurship to critical evaluation of music career paths.
•Synthesize knowledge of music entrepreneurship within the Phoenix area and surrounding communities through music entrepreneurship fieldwork.

**Career Opportunities:** A certificate in music entrepreneurship can help students enhance the marketable skills they acquire in their major program and help them develop new skills, including marketing, business practices, grant writing, arts administration and fundraising management.

Career examples include:

- arts administrator
- community arts advocate
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/minors-certificates
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music Learning and Teaching, MM (FAMUSEDMM)

**Online Degree Search Title:** Music Learning and Teaching, MM
**Campus:** Tempe

**Program Description:** The MM program in music learning and teaching is designed for music educators, teaching artists and music professionals seeking new and expanded opportunities for career development in learning and teaching.

Program flexibility affords students opportunities to customize degree pathways; advance their goals; and develop musical, scholarly and leadership roles in their professional settings. Students in the master's degree program develop their capacity to address pressing issues in music learning and teaching and contribute to professional dialogue.

Students may elect courses in each part of the degree program and may design a course of study that meets their specific interests and needs. The program provides opportunities to study full time, part time (through evening courses), in the summers only, or by combining full-time, part-time and summer study. Full-time students may complete the program in as little as one year. Students can complete the degree program as digital commuters (off campus) via the ASU Sync platform, which involves attending an in-person course live online.

Individuals interested in teacher certification can pursue those requirements concurrently with or separate from master's degree study.

**Degree Requirements:**
32 credit hours and a portfolio.
The degree credit requirements are distributed as follows:

music education core (10 credit hours)
musicianship core (10 credit hours)
specialization (12 credit hours)

Additional Curriculum Requirements
Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Six credit hours may be transferred from another regionally accredited graduate institution. Up to nine credit hours may be taken prior to admission.

As part of the portfolio, students also must participate in an oral review that is monitored internally by the academic unit.

Additional information about degree requirements for all graduate music programs may be found on the check sheets (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program.

All applicants must submit:
- online graduate admission application and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including a resume)
- official transcripts
- three letters of recommendation
- proof of English proficiency:

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL iBT score of at least 80, or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact MDTAdmissions@asu.edu (mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Applications are accepted until all spaces are filled and are reviewed on a rolling basis. Applicants are encouraged to apply as early as possible and should see the program website for more information about application deadlines. To ensure prompt processing of application, applicants should email MDTAdmissions@asu.edu (mailto:MDTAdmissions@asu.edu) after submitting an application.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Design appropriate instructional activities for K-12 music programs.
- •Develop independent research skills to analyze and interpret music.
- •Analyze one's own performance in research and teaching practices.

**Career Opportunities:** The flexibility of the Master of Music program in music learning and teaching affords students opportunities to customize degree pathways toward multiple kinds of careers while still working as a music educator, teaching artist or music professional.

Career examples include:

- arts administrator
- community arts advocate
- performing musician
- public or community school teacher
- teaching artist
- worship music leader
- youth development facilitator
- university professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music/music-learning-and-teaching?dept=392823&id=1
MUSIC E167
mdtadmissions@asu.edu

480-965-5069

# Music Theory Pedagogy (Certificate), Certificate (HIMTPGRCT)

**Online Degree Search Title:** Music Theory Pedagogy (Graduate Certificate)
**Campus:** Tempe

**Program Description:** This certificate in music theory pedagogy offers specialized study in music theory to help prepare students to teach undergraduate courses in fundamentals, harmony, musicianship and basic form analysis. Completion of this certificate indicates the student is prepared to offer instruction in basic music theory at the college level.

The certificate is intended to be pursued concurrently with enrollment in a master's degree program or doctoral degree program in the School of Music, Dance and Theatre.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
MTC 525 Pedagogy of Theory (3)

Other Requirement (3 credit hours)
MTC 584 Internship (3)

Electives (9 credit hours)

Additional Curriculum Information
Completion of diagnostic examinations in music history and music theory, administered by the School of Music, Dance and Theatre, is required of all new graduate music students before enrolling in any graduate academic courses toward the certificate program.

Electives are selected with advisor approval from MTC courses in analytical topics. Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Students who are interested in this certificate should email the academic unit prior to submitting an official application, to express their interest in the certificate.

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree in music or music education from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country. Other majors may be considered if applicants submit transcripts showing formal study in music theory and musicianship at least equivalent to what is required of ASU's undergraduate music majors (MHL 140, MHL 341 and MHL 342, MTC 125, MTC 221, MTC 222, and MTC 223). The music theory faculty review transcripts for equivalency. In some cases, course descriptions or syllabi are required to verify equivalency.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in any applicable graduate work.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- samples of work
- statement of interest
- proof of English language proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency:

- TOEFL iBT score of at least 80
- IELTS overall band score of at least 6.5
- Pearson Test of English score of at least 60

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Official transcripts must show a completed bachelor's degree from a regionally accredited institution in the U.S. or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country. Also, if applicable, transcripts showing all coursework

in music at the graduate level are required. The committee supervising this certificate program consider an applicant's undergraduate record (and graduate record if appropriate) in music theory, evaluating courses taken and grades received. A minimum GPA of 3.00 in these courses is required. International students applying to this certificate must also be in a degree program at ASU.

Applicants must submit a statement of interest offering reasons for applying to the certificate program and describing their experience and coursework in music theory. The essay should also indicate the applicant's level of piano proficiency (a necessary classroom skill) through a description of their study and their experience in keyboard performance.

Applicants also are asked to show proficiency in music theory by submitting samples of work, such as analytical papers and examples of music writing (harmonic part-writing or counterpoint exercises).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Design appropriate instructional activities for basic music theory at the college level.
- •Assess one's own pedagogy skills through an internship experience.

**Career Opportunities:** A certificate in music theory pedagogy can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a certificate alone can provide.

Career examples include:

- arts administrator
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/minors-certificates
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music Therapy, MM (FAMTHERMM)

**Online Degree Search Title:** Music Therapy, MM
**Campus:** Tempe

**Program Description:** The MM program in music therapy provides students with graduate-level study in the theory, practice and research of music therapy.

There is a two-year track for those who have completed either the undergraduate music therapy degree or its equivalent and who are board-certified or hold a similar international music therapy credential. Additionally, a three-year track is offered for those who have an undergraduate degree in music but not in music therapy.

The master's degree program fosters an expanded research perspective in music therapy, emphasizing community partnerships and program development with a concentration in the student's area of choice, drawing from a number of possible options. Cognate areas include counseling and counseling psychology, special education, gerontology, social work, audiology and speech-language or other areas of choice from the many options.

**Degree Requirements:**
33 credit hours including the required applied project course (MUE 586) and a written comprehensive exam, or 33 credit hours, a thesis and a written comprehensive exam, or 63 credit hours including the required applied project course (MUE 586) and a written comprehensive exam, or 63 credit hours, a thesis and a written comprehensive exam.
The degree credit requirements for the two-year track are distributed as follows:

music therapy core (16 credit hours)
other studies in music (8 credit hours)
clinical cognate (9 credit)

Three-Year Track: In addition to the requirements stated above, the three-year track requires 30 credit hours of deficiency coursework for a total of 63 credit hours, including completion of an internship required for certification.

Additional Curriculum Requirements
Completion of diagnostic exams in musicology and music theory is required of all new graduate-level music students prior to enrollment in the ASU School of Music, Dance and Theatre.

Additional information about degree requirements for all graduate music programs may be found on the check sheets at the school website (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

Graduates are eligible to sit for the music therapy certification examination given by the Certification Board for Music Therapists.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree in music or music therapy from a regionally accredited institution or the equivalent of a U.S. bachelor's or master's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply), including a resume and personal statement
- official transcripts
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL iBT score of at least 80, or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

All applicants are required to perform a live audition or submit an audition recording (https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions). Auditions are scheduled only after complete application materials have been received.

Applicants to the three-year track must complete the prerequisite courses listed below, which are not a part of the coursework for the MM program in music therapy (three-year track) but are required for eligibility to sit for the board-certification exam (www.cbmt.org (http://www.cbmt.org)). These prerequisites may be taken during undergraduate study, at a community college or other university before beginning the Master of Music program in music therapy (three-year track), during summer sessions at ASU, or online through an accredited institution recognized by ASU. An applicant is eligible to apply to the Master of Music program in music therapy (three-year track) while completing these prerequisites and may finish these courses during the first year in the music therapy program, although this additional work may present a hardship. The prerequisite courses must be completed before a student begins the internship at the end of their first year of study at ASU, unless prior arrangements have been made. Completing the prerequisite courses prior to beginning the Master of Music program in music therapy (three-year track) is highly recommended.

- Introduction to Psychology
- Abnormal Psychology
- Overview of Exceptional Children/Special Education

Applicants should visit the program website for more information on application deadlines. To ensure prompt processing of application, applicants should email MDTAdmissions@asu.edu (mailto:MusicAdmissions@asu.edu) after submitting an application. An in-depth interview emphasizing the applicant's music therapy philosophy, research activities and clinical interests is scheduled after receipt of complete application materials. A phone interview may be arranged.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will be able to apply advanced musicianship skills across voice, guitar, piano, percussion and technology related tools and instruments to facilitate therapeutic goals for clients.

- Students will be able to evaluate existing literature for gaps in research and then develop and execute a research process to fill an identified gap.

•Students will be able to critically assess music therapists through clinical supervision.

**Career Opportunities:** Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

- arts administration
- community arts advocate
- music therapist
- performing musician
- public or community school teacher
- university professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music/music-therapy?dept=392823&id=1
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Narrative and Emerging Media, MA (CSNEMMA)

**Online Degree Search Title:** Narrative and Emerging Media, MA
**Campus:** ASU at Los Angeles

**Program Description:** In the MA program in narrative and emerging media, students learn how to tell stories that aren't just watched or read --- they're experienced. In under one year, students learn innovative storytelling techniques, explore the emerging media marketplace, connect with the field's top professionals and develop critical media project management skills.

Through hands-on learning, students explore the entire landscape of emerging immersive media techniques including augmented reality, virtual reality, extended reality, 360 video, animated graphics, short-form digital video and documentary production to tell creative fictional stories or nonfiction journalistic work. Students capture and create content for workflow in multiple industries, and they learn to lead teams of producers, engineers, writers and artists across different technologies. They build business acumen too; enhanced insight on research, development, and the finance and business models driving the future of emerging media is central to the program.

Delivered exclusively at the ASU California Center --- Broadway, in downtown Los Angeles, the program immerses students in a state-of-the-art emerging media hub. The building includes a green screen studio that allows for virtual reality productions and live broadcasts, and a second Planar LCD studio, which allows for immersive film and video shoots. Students learn and work in these spaces to create compelling visual storytelling for client productions and their own passion projects.

Students engage in courses that anchor content creation and project management with communication theory and current case studies, along the way building a cohesive portfolio of professional work aligned with industry standards. Students also network and get critiques from industry professionals whose work may inspire their own. Students who complete the program are well-prepared to leap into creation, production and project management roles across the media industry, or pursue independent work.

This is a joint program offered by The Sidney Poitier New American Film School and the Walter Cronkite School of Journalism and Mass Communication.

Los Angeles location
In Los Angeles, this program is not currently eligible for federal financial aid, but generous scholarship assistance is available. Students seeking federal financial aid assistance or veterans interested in using GI Bill® benefits should consider a program on another ASU campus.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Degree Requirements:**
30 credit hours including the required applied project course (NEM 693).
Required Core (21 credit hours)
NEM 501 Emerging Media (3)
NEM 510 Narrative Development and Pre-Production (3)
NEM 515 Emerging Media Production (3)
NEM 530 Emerging Media Project Management (3)
NEM 550 Diversity and Ethics in Emerging Media (3)
NEM 585 Portfolio (3)
NEM 630 Emerging Media for Clients (3)

Other Requirements (3 credit hours)
NEM 520 AR/VR/XR for Storytelling (3)
NEM 525 Virtual Production for Storytelling (3)
NEM 601 Short Form and 360 Video Production (3)

Electives (3 credit hours)

Culminating Experience (3 credit hours)
NEM 593 Applied Project (3)

Additional Curriculum Information
NEM 585 is a one credit hour course that must be taken three times, for a total of three credit hours.

Students must complete one course from the Other Requirements list.

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College, the Walter Cronkite School of Journalism and Mass Communication and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Global Opportunities:**
Global Experience: Students may use elective slots to participate in applicable study abroad experiences. Students are also encouraged to pursue work globally for their applied projects.

**Career Opportunities:** This degree prepares students to thrive in a growing, emerging media industry. According to a Burning Glass industry report in tandem with Epic Games, "Demand for 3D technology skills is growing quickly in the job market --- so quickly, in fact, that demand for these skills is outpacing the growth of the labor market overall." And according to EMSI data, job postings requiring skills in virtual reality are at an all-time high, with more than 13,000 jobs posted in August alone for roles such as advertising specialists and product developers at firms from Facebook to Deloitte.

Graduates are well suited to careers in AR/VR/XR production, immersive storytelling, journalism and documentary production, and media project management, or to become entrepreneurial storytellers ready to seek funding for their own projects.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
The Sidney Poitier New American Film School
https://film.asu.edu/degree-programs/narrative-and-emerging-media?dept=392827&id=1

HEXB 510-512
cronkitegrad@asu.edu
602-496-5555

## Performance (Collaborative Piano), MM (FACPIANOMM)

**Online Degree Search Title:** Piano, Collaborative, MM
**Campus:** Tempe

**Program Description:** The MM program in performance with a concentration in collaborative piano gives students the opportunity to perform with all instrumental areas and voice, focusing on collaborative endeavors such as song recitals, instrumental duos and chamber music, operatic and musical theatre productions, and participation in large ensembles.

Students refine their pianistic technique while developing the specific knowledge and abilities necessary to be skilled and sensitive musical collaborators. Collaborative piano students have an impact on every area of the School of Music, Dance and Theatre, and their work with opera and musical theatre singers, orchestral instrumentalists, choral and large ensembles, composers, theatre artists and dance colleagues leads them toward advanced careers in music.

**Degree Requirements:**
32 credit hours and a written comprehensive exam.
Required Core (4 credit hours)
MUP 527 Studio Instruction (4)

Concentration (14 credit hours)
MUP 511 Studio Instruction: Piano (4)
MUP 527 Studio Instruction: Collaborative Piano (4)
MUP 588 Collaborative Piano (2)
MUP 596 Solo Performance (2)
MUP 597 Solo Performance (2)

Electives (2-3 credit hours)

Other Studies in Music (11-12 credit hours)
music history (6)
music theory (5-6)

Culminating Experience (0 credit hours)
written comprehensive exam (0)

Additional Curriculum Requirements
The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework.

All new graduate music students are required to complete diagnostic exams in musicology and music theory prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Additional information on degree requirements for all graduate music majors may be found on the check sheets posted under each degree on the graduate music degrees page (https://musicdancetheatre.asu.edu/degree-programs/music/graduate).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including a resume, personal statement and repertoire list)
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of complete application materials. Information about the audition may be found at the School of Music, Dance and Theatre website (https://musicdancetheatre.asu.edu/).

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should email MDTAdmissions@asu.edu for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Applicants should see the program website for application deadlines. After an applicant's completed application materials have been received, including recommendation letters, transcripts and English proficiency, the applicant is confirmed for an audition.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop performance practices in the context of diverse musical settings and genres, demonstrating familiarity with the literature of their instrument.
- •Evaluate their instrument’s repertoire and pedagogy to develop a unique musical style.
- •Produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers, and institutions.

**Career Opportunities:** Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music. Career examples for collaborative pianists include:

- collaborative work in music-related fields such as media production, music business, publishing and marketing
- performing as a collaborative pianist with singers, instrumentalists, choral ensembles, or large instrumental ensembles
- pianist for musical theatre or opera productions
- pianist for music recording and studio work
- teaching in a private studio or community music program
- university professor or staff pianist
- working as a vocal coach

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/piano-collaborative-mm
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Performance (Conducting), MM (HIPERCOMM)

**Online Degree Search Title:** Performance (Conducting), MM
**Campus:** Tempe

**Program Description:** The MM program in performance with a concentration in conducting presents conductors of orchestras, wind bands and vocal ensembles, who wish to strengthen their skills, the opportunity to improve their art, craft and scholarship in pursuit of both professional and academic career aspirations. This program is also beneficial for public school teachers of choirs, orchestras and wind bands who want to strengthen their skills.

There are four tracks within this concentration.

Wind band track: The wind band track allows conductors to study privately with the director of bands and work closely with other members of the conducting faculty, including the director of athletic bands, to develop their conducting and rehearsal skills.

Podium time is essential for the development of conducting skills; therefore, wind band conductors enjoy significant time leading the ASU Wind Ensemble and Wind Symphony, serving as assistant conductor of the Maroon Band, and co-directing the Gold Band. Another exciting opportunity is the ASU Chamber Winds, a stand-alone graduate-level chamber wind group that the wind band conducting students have the opportunity to work with twice a week.

Orchestral track: The orchestral track is designed to meet the needs of the conductor who focuses on orchestral conducting. Required courses are specific to orchestral conducting, and elective courses provide additional opportunities for further orchestral study.

Music direction track: The music direction track is designed to meet the needs of the musical director focusing on musical theatre and opera conducting. Required courses focus on music theatre and opera rehearsal techniques, technical production and repertoire.

Choral track: The choral conducting track prepares conductors for careers throughout the choral field by helping them develop and refine their individual artistic voice. Students engage in a curriculum that explores culturally responsive applications, decolonial pedagogies, global score study, and interdisciplinary framing of gesture. All students receive substantial podium time and work closely with conducting faculty.

**Degree Requirements:**
32 credit hours including a written comprehensive exam.
Required Core (4 credit hours)
MUP 527 Studio Instruction (4)

Concentration (7 credit hours)
MUP 596 Solo Performance (1)
MUP 597 Solo Performance (1)
Choose from the following for a total of 5 credit hours:
MUE 564 Instrumental Music, Advanced Rehearsal Techniques (3)
MUP 540 Principles of Integrated Conducting (2)
MUP 551 Repertoire: Music Theatre Repertoire (2)
MUP 571 Music Theatre: Workshops (2)
MUP 573 Music Theatre: Performance (1)

Track (9 or 10 credit hours)

Other Studies in Music (11 or 12 credit hours)
music history (6)
music theory (5-6)

Culminating Experience (0 credit hours)
written comprehensive exam (0)

Additional Curriculum Requirements
Students select a track from the following: choral, wind band, orchestral or music direction. Students should see the academic unit for specific concentration and track course requirements for each track.

The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework.

Track credit hours may include electives depending on course selections.

Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Additional information on degree requirements for all graduate music majors may be found on the check sheets (https://musicdancetheatre.asu.edu/degree-programs/music/graduate) posted under each degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

• graduate admission application (https://admission.asu.edu/graduate) and application fee
• School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including a resume, personal statement and repertoire list)
• official transcripts
• prescreening video
• three letters of recommendation
• proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact MDTAdmissions@asu.edu (MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university, or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Applicants should see the program website for application deadlines. After an applicant's complete application materials have been received, including recommendation letters, transcripts and English proficiency requirements, and a review has been conducted of prescreening materials, the applicant may be invited for a live audition (https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Evaluate principles of leadership to prepare musicians for performances.
•Apply advanced skills in score preparation, repertoire selection, and rehearsal techniques for performances.
•Synthesize performance skills to create performances that are believable, specific and impactful.

**Career Opportunities:** Musicians with expertise in performing, composing, teaching, researching and arts advocacy and are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions. School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Career examples include:

• artistic director
• arts administrator
• community arts advocate
• conductor
• performing musician
• public or community school teacher
• university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-conducting-mm
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Performance (Performance Pedagogy), MM (FAPPEDMM)

**Online Degree Search Title:** Performance Pedagogy, MM
**Campus:** Tempe

**Program Description:** The MM program in performance with a concentration in performance pedagogy concentrates on the performance and teaching of music with an emphasis on pedagogy.

Students work on their own performance skills while, through pedagogy classes, observation and teaching in private and group settings, they develop the knowledge and abilities they need in order to be outstanding teachers in their area.

The opportunity to collaborate with music scholars, theorists, composers, educators, dancers and theatre artists provides students with a foundation for a career as a performer, teacher and musician of the highest level. There is also the possibility of engaging in local and state professional organizations and presenting scholarly research or creative activities through workshops or publications.

**Degree Requirements:**
32 credit hours and a written comprehensive exam.
Required Core (4 credit hours)
MUP 527 Studio Instruction (4)

Concentration (6 credit hours)
MUP 527 Studio Instruction (4)
MUP 596 Solo Performance (1)
MUP 597 Solo Performance (1)

Area of Emphasis (10-11 credit hours)

Other Studies in Music (11-12 credit hours)
music history (6)
music theory (5-6)

Culminating Experience (0 credit hours)
written comprehensive exam (0)

Additional Curriculum Requirements
Students select an area of emphasis from the following: instrumental pedagogy, piano pedagogy or voice pedagogy. Students should see the academic unit for specific requirements for the selected area of emphasis.

Area of emphasis credit hours may include electives, depending on course selections.

The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework.

Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Additional information on degree requirements for all graduate music majors may be found on the check sheets (https://musicdancetheatre.asu.edu/degree-programs/music/graduate) posted under each degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply), including a resume, personal statement and repertoire list
- official transcripts
- three letters of recommendation
- voice applicants: a prescreening video
- piano applicants: a teaching demonstration video
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music does not offer conditional admission under any circumstances.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of complete application materials and, when applicable, favorable review of prescreening materials. Information about the audition may be found at the school website

(https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions).

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact MDTAdmissions@asu.edu for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Voice applicants: Students should see the program website for application deadlines. After receipt of complete application materials, including recommendation letters, transcripts and proof of English proficiency, and review of prescreening materials, an applicant may be invited for an audition.

Instrumental and keyboard applicants: Students should see the program website for application deadlines. After an applicant's complete application materials have been received, including recommendation letters, transcripts and proof of English proficiency, the applicant will be confirmed for an audition.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop performance practices in the context of diverse musical settings and genres, demonstrating familiarity with the literature of one's instrument.
- •Think critically and practically about an instrument’s repertoire and pedagogy to develop a unique musical style.
- •Produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers, and institutions.

**Career Opportunities:** School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching, arts advocacy and serving as therapists are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composers for film, video games, television
- music therapist
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-pedagogy-mm
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Performance (Performance), MM (FAPERF3MM)

**Online Degree Search Title:** Music Performance, MM
**Campus:** Tempe

**Program Description:** The MM program in performance concentrates on the performance and teaching of music with an emphasis in performance.

Students work with faculty mentors to achieve a professional level of performance through individual recitals; chamber music; and choral, orchestral, jazz, music theatre and operatic ensembles, depending on their area of emphasis. Performance opportunities both on and off campus further develop the knowledge and abilities necessary to become leaders in a musical community through teaching, performing or art advocacy. The opportunity to collaborate with music scholars, theorists, composers, educators, dancers and theatre artists provides students with a broad and well-rounded foundation for advanced careers in music or continued study at the doctoral level.

Additionally, students learn skills that are needed to be a highly successful working musician including audition preparation, networking, learning organizational strategies, opportunity creation and developing an entrepreneurial mindset.

**Degree Requirements:**
32 credit hours and a written comprehensive exam.
Required Core (4 credit hours)
MUP 527 Studio Instruction (4)

Concentration (6 credit hours)
MUP 527 Studio Instruction (4)
MUP 596 Solo Performance (1)
MUP 597 Solo Performance (1)

Area of Emphasis (10-11 credit hours)

Other Studies in Music (11-12 credit hours)

Culminating Experience (0 credit hours)
written comprehensive exam (0)

Additional Curriculum Requirements
Students select an area of emphasis from the following: instrumental performance, jazz performance, keyboard performance or multiple woodwinds performance. Students should see the academic unit for specific requirements for the selected area of emphasis.

The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework. Students should see the academic unit for specific requirements.

Area of emphasis credit hours may include electives depending on course selections.

Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Additional information on degree requirements for all graduate music majors may be found on the check sheets (https://musicdancetheatre.asu.edu/degree-programs/music/graduate) posted under each degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 semester hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including a resume, personal statement and repertoire list)
- official transcripts
- prescreening video (voice applicants)
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of completed application materials and, when applicable, a favorable review of prescreening materials. Information about the audition may be found at the school website (https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions).

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact MDTAdmissions@asu.edu for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level

course requirements in music history and music theory.

Voice Applicants: Students should see the program website for application deadlines. After receipt of the completed application, including recommendation letters, transcripts and proof of English proficiency, and review of prescreening materials, an applicant may be invited for an audition.

Instrumental and Keyboard Applicants: Students should see the program website for application deadlines. After an applicant's complete application materials have been received, including recommendation letters, transcripts and proof of English proficiency, the applicant is confirmed for an audition.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop performance practices in the context of diverse musical settings and genres, demonstrating familiarity with the literature of one's instrument.
- •Evaluate an instrument’s repertoire and pedagogy to develop a unique musical style.
- •Produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers, and institutions.

**Career Opportunities:** The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries, and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arts administrator
- community arts advocate
- composers for film, video games, television
- performing musician
- public or community school teacher
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music-performance-mm
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Performance (Voice, Music Theatre, Opera), MM (FAMUTPOMM)

**Online Degree Search Title:** Performance (Voice, Music Theatre, Opera), MM
**Campus:** Tempe

**Program Description:** The MM degree program in voice, music theatre, and opera performance provides intensive practical training and performance experience to prepare students for a broad range of professional careers.

Students choose to audition for a degree emphasis in performance, opera, or music theatre that guides their course of study and performance opportunities. Students may choose to focus in one emphasis area or take classes in multiple areas, including pedagogy, opera and musical theatre.

In addition to studio voice instruction and advanced work in acting, dance, movement, audition techniques, career skills and vocal coaching, students may study techniques and diverse repertoire in art song, music theatre and opera.

**Degree Requirements:**
32 credit hours and a written comprehensive exam.
Required Core (4 credit hours)
MUP 527 Studio Instruction (4)

Concentration (8 credit hours)

MUP 527 Studio Instruction (4)
MUP 570 Topic: Advanced Techniques for the Singing Actor 1 (1)
MUP 570 Topic: Advanced Techniques for the Singing Actor 2 (1)
MUP 596 Solo Performance (1)
MUP 597 Solo Performance (1)

Area of Emphasis (8-9 credit hours)

Other Studies in Music (11-12 credit hours)
music history (6)
music theory (5-6)

Culminating Experience (0 credit hours)
written comprehensive exam (0)

Additional Curriculum Requirements
Completion of diagnostic exams in musicology and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music, Dance and Theatre. This is tracked internally within the academic unit.

Students select an area of emphasis from the following: music theatre performance, opera performance or voice performance. Students should see the academic unit for specific requirements for the selected area of emphasis.

The other studies in music requirement includes six credit hours of MHL coursework and five to six credit hours of MTC coursework. Students should see the academic unit for specific requirements.

Area of emphasis credit hours may include electives depending on course selections.

Additional information on degree requirements for all graduate music majors may be found on the check sheets (https://musicdancetheatre.asu.edu/degree-programs/music/graduate) posted under each degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application (https://admission.asu.edu/graduate) and application fee
- School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/graduate-steps-to-apply) (including a resume, personal statement and repertoire list)
- official transcripts
- prescreening video
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

The School of Music, Dance and Theatre does not offer conditional admission under any circumstances.

A bachelor's degree in music is not required for admission to a master's program. However, all applicants without a bachelor's degree in music should contact MDTAdmissions@asu.edu (mailto:MDTAdmissions@asu.edu) for information on potential remedial courses. Remedial courses may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to starting graduate-level course requirements in music history and music theory.

Students should see the program website for application deadlines. After an applicant's complete application has been received, including recommendation letters, transcripts and proof of English proficiency, and review has been conducted of prescreening materials, the applicant may be invited for a live audition (https://musicdancetheatre.asu.edu/admissions/music/graduate-auditions).

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Apply vocal performance practices and techniques in the context of diverse musical settings and genres, demonstrating familiarity with the literature and with different singing styles.

•Evaluate vocal repertoire and pedagogy to develop a unique musical style.

•Produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers, and institutions.

**Career Opportunities:** The School of Music, Dance and Theatre graduate programs inspire and empower students to become creative leaders who transform society through music.

Musicians with expertise in performing, composing, teaching, researching and arts advocacy are in high demand across many sectors and industries, including performing arts organizations, educational institutions, entertainment companies, health and wellness industries and community arts organizations. Skills such as creativity, collaboration, innovation, entrepreneurship and the focused discipline needed for success as musicians are all highly valued by a wide range of companies and professions.

Career examples include:

- arranger or choreographer
- artistic director
- arts administrator
- casting director
- community arts advocate
- music director or stage director
- musical theatre performer
- opera singer
- performing or touring musician
- private, public or community school teacher
- private voice instructor (independent)
- professional singer
- recording artist
- university professor

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music/voice?dept=392823&id=1
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Theatre, MA (FATHEAMA)

**Online Degree Search Title:** Theatre, MA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MA program in theatre introduces students to graduate study in the field of theatre and performance studies and provides a broad base of knowledge in the areas of history, theory, dramaturgy, research methods and practice.

Students have the opportunity to tailor their plan of study to specific research pathways and artistic subject areas such as performance studies, history and historiography, theory, dramatic writing, theatre for youth, performance as research, technology in performance, drama for teaching and learning, dramaturgy, devising, directing, civic engagement and performance.

The program is designed for those who wish to ultimately enter a doctoral program, for K-12 educators seeking to expand and amplify their expertise, and for those seeking to advance their knowledge of theatre and performance studies.

**Degree Requirements:**
30 credit hours, a thesis and a written comprehensive exam.
Required Courses (15 credit hours)

Electives (9 credit hours)

Culminating Experience (6 credit hours)
THE 599 Thesis (6)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current curriculum vitae
- sample of scholarly writing
- statement of purpose
- three letters of recommendation from professionals familiar with the applicant's work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should address the applicant's background, experiences, research interests, and future career goals as they relate to their reasons for pursuing the degree program.

Applicants should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Apply graduate level research methods relevant to one's area of focus in theatre.
- Apply advanced analytical skills in the critical examination of theatre histories, theories, & practices.
- Synthesize advanced graduate research and analytical skills towards a long-range or large-scale project that integrates the customized research plan of study created by each graduate student.

**Career Opportunities:** Professionals with an MA in theatre have successfully been recruited to doctoral programs in theatre, have obtained jobs as teaching artists, and have taught theatre in K-12 settings. Other career examples include:

- creating and forming a theatre company
- creating and producing original devised work
- obtaining highly competitive local and national arts grants and arts residencies
- working within an established arts organization as a teaching artist, program coordinator or event curator

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Arts Entrepreneurship and Management), MFA (HITHEAEMFA)

**Online Degree Search Title:** Theatre (Arts Entrepreneurship and Management), MFA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MFA program in theatre with a concentration in arts entrepreneurship and management teaches the skills of arts entrepreneurship, arts management and arts marketing within the context of the Master of Fine Arts degree in theatre, also grounding students in theories of performance, community-based arts, and theatre history and literature. Thus, students develop a holistic understanding of the role of arts managers as enablers of art-making.

Students in this program can earn a concurrent certificate in nonprofit leadership and management.

**Degree Requirements:**
60 credit hours including the required applied project course (THP 693), a practicum and an oral comprehensive exam.

Required Core (15 credit hours)

Concentration (27 credit hours)

Electives or Research (12 credit hours)

Other Requirements (3 credit hours)
THP 680 Practicum (2)
THP 684 Internship (1)

Culminating Experience (3 credit hours)
THP 693 Applied Project (3)

Additional Curriculum Information
Twelve elective credit hours are required for the 60 credit hour Master of Fine Arts. However, if students elect to pursue the NLM certificate concurrently, then they need to take an additional three credit hour elective course in the nonprofit leadership and management program to complete the certificate and degree requirements.

THP 680 is a one credit hour course students are required to take twice.

As part of the applied project requirement, students must submit a written document. An oral defense is also required.

Students should see the academic unit for a complete list of approved electives and required coursework for the core and concentration.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

In addition, the School of Music, Dance and Theatre requires a minimum of 30 undergraduate credit hours of coursework in theatre, film, dance, music, art or business with a minimum GPA of 3.20 overall.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- three letters of recommendation
- sample of critical writing (in lieu of GRE scores)
- statement of educational and professional objectives
- sample of entrepreneurial or managerial materials
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from professionals who can speak to the applicant's potential for success in arts entrepreneurship or management.

Examples of a critical writing sample include a term paper or research project.

The sample of entrepreneurial or managerial materials should be indicative of the candidate's potential to succeed as an arts entrepreneur or manager that might include but are not limited to publicity materials, marketing plans, budgets, stage management prompt books, grant proposals or business plans.

Interviews may be conducted on campus or remotely.

Applicants should see the program website for application deadlines and admission terms.

**Contact Information:**
Design and the Arts, Herberger Institute for

School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Directing), MFA (FADIRMFA)

**Online Degree Search Title:** Theatre (Directing), MFA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MFA in theatre with a concentration in directing is a program for students who demonstrate serious purpose, professional aspirations, theatrical daring, and the desire to explore new work in collaborating with playwrights and in the devising and creation process. Respect for fellow artists and a desire to learn about how all the parts fit together are essential qualities in the successful candidate and the successful director.

Students are introduced to varied critical viewpoints from select artists and scholars. A hands-on, mentor-student approach is emphasized with the intent of developing the skill, artistry and communication skills required to be an excellent professional director.

**Degree Requirements:**
60 credit hours including the required applied project course (THP 693).
This is a three-year program culminating in an applied project. Directing classes and mentored directing projects are approximately 50% of the coursework. Classes also include:

- acting (viewpoints and composition)
- assistant directing for a professional or faculty director working on the main stage
- design collaboration
- devising methodologies
- directing the new play
- dramatic theory and criticism
- dramaturgy
- performance technology
- projects in community-based drama
- re-envisioning
- research methods
- theatre for social change
- theatre history and literature

MFA directors will direct a new work every year. Major assignments may include:

- creating and directing an adaptation of an existing work
- directing a new play by a Master of Fine Arts playwright
- directing one applied project in the Theatre or Music Theatre season
- guiding an ensemble in the devising process and directing the resulting devised piece

Directing faculty mentor all student projects. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional internship is required for each Master of Fine Arts director.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- current resume
- written directorial approach to a play selected by the reviewing committee
- three letters of reference from professionals familiar with the student's work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

A personal interview is required. Interviews via phone, video conference or campus visit are available by appointment.

The MFA in theatre with a concentration in directing recruits every three years. The next round of applications will be accepted in January 2024 for Fall 2024. Interested students should check back for updates.

Students should see the program website (https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply) for application deadlines and admission terms.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop a directing approach suitable to the shepherding of a substantial production process from start to finish.
- •Apply understanding of directing methods in assistant directing situations.
- •Evaluate one's directing technique, employing reflective practice toward continuous growth.

**Career Opportunities:** Professionals with a Master of Fine Arts in directing have obtained a variety of creative roles within the arts including directing professionally, starting theatre companies, working within established theatres and arts organizations, and building entrepreneurial ventures that bridge the arts with other sectors.

Career examples include:

- creating entrepreneurial ventures that bridge the arts with other sectors of society
- creating and producing original devised theatres for festivals or communities
- directing professionally at established theatres
- teaching in a variety of contexts from adjunct, visiting faculty, and professor of practice to tenure-track professor
- working as a teaching artist at a public or community school

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Dramatic Writing), MFA (FADRWRTMFA)

**Online Degree Search Title:** Theatre (Dramatic Writing), MFA
**Campus:** Tempe

**Program Description:** The concentration in dramatic writing under the MFA in theatre includes coursework in playwriting, screenwriting, historical studies in theatre, dramatic theory, directing new work, dramaturgy and literary management, electives and related topics such as writing for solo performance, storytelling, devising and collaborative writing, comedy writing and other genres such as writing horror, science fiction and fantasy.

The School of Music, Dance and Theatre supports the production of new plays and performance works written by its Master of Fine Arts students. Student-written work is included in the Theatre Labs and is considered for main stage productions.

**Degree Requirements:**
60 credit hours including the required applied project course (THP 693).
Required Core (27 credit hours)
THE 500 Research Methods (3)
THE 504 Studies in Dramatic Theory and Criticism (3)
THE 520 Theatre History and Literature (3)
THP 560 Dramatic Writer's Workshop (15)
THP 561 Scripts in Progress (3)

Concentration (9 credit hours)
THE 562 Dramaturgy Workshop (3)
THP 520 Directing the New Play (3)
THP 598 Special Topics (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)
THP 693 Applied Project (6)

Additional Curriculum Information
As part of the electives coursework, students have the option to complete an internship (THP 684) for three credit hours.

Students should see the academic unit for a complete list of approved electives and they should consult the degree check sheet (https://musicdancetheatre.asu.edu/degree-programs/theatre-dramatic-writing-mfa).

The applied project is the writing of a thesis play, which is to be developed as one of the following: a full production on the school's main stage, a staged reading, or a workshop production.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in theatre or in creative writing from a regionally accredited institution. An applicant may have an undergraduate degree outside of theatre and may be admitted on the basis of excellent creative writing and academic work. Deficiencies in undergraduate preparation may be removed while pursuing the MFA degree.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- current resume
- statement of career goals, including writing endeavors or interests
- manuscript sample of either a full-length play (60 pages or more) or a series of one-act plays (30 pages minimum)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will create new dramatic works reflecting advanced knowledge of the dramatic writer's art and craft with each new work

- The MFA writer will be able to critique dramatic works, employing knowledge of the history, theory and dramaturgy of the art form.

- The MFA student in dramatic writing will be able to teach in dramatic writing and in other related areas in dramatic analysis, storytelling or theater history.

**Global Opportunities:**
Global Experience: Students are encouraged to apply to international conferences and fellowships such as the Fulbright Program (https://onsa.asu.edu/fulbright).

**Career Opportunities:** Professionals with an Master of Fine Arts in dramatic writing regularly have their work produced at festivals, staged readings and theatres across the country. They have obtained highly competitive artist residencies and awards for their work. Some have had their plays published.

Career examples include:

- publishing plays
- readings and full productions of work at theatre conferences and festivals
- teaching in a variety of contexts from adjunct, visiting faculty, and tenure-track professors
- working at an established arts organization in a variety of roles
- working as a teaching artist

- work produced and staged professionally at established theatres and venues

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)

**Online Degree Search Title:** Theatre (Interdisciplinary Digital Media), MFA
**Campus:** Tempe

**Program Description:** Digital media as a way of making and thinking about art and experience is a growing importance in society today. Courses combined with research activities prepare students to become sophisticated developers, makers, evaluators and entrepreneurs of digital media while at the same time completing a sequence of core courses in theatre.

This graduate program is offered through the School of Music, Dance and Theatre in collaboration with the School of Arts, Media and Engineering.

**Degree Requirements:**
60 credit hours including the required applied project course (THP 693).
Core School of Arts, Media and Engineering courses, to be selected in consultation with each student's School of Arts, Media and Engineering graduate advisor (minimum of 18 credit hours)

Research and applied project (15 credit hours)

Core courses in theatre theory, history and practice (27 credit hours)

The overall course of study is developed with the advisor to ensure a breadth of transdisciplinary knowledge.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- current resume
- statement of purpose
- portfolio that supports the statement of purpose
- academic writing sample from a previous degree, independent work or publication
- three letters of recommendation from professionals familiar with the applicant's work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should describe the applicant's background in theatre and interest in and suitability for work in the intersection of theatre and digital media.

Applicants should thoroughly review application deadlines and requirements on the Music, Dance and Theatre department website (https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply).

Applicants should see the program website for application deadlines but should note that for financial aid purposes, the School of Arts, Media and Engineering deadline is February 1.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following

program outcomes:

•Create media applications for live performance that reflect advanced competency in media applications.

•Assess media design options for specific live performance projects, reflecting the application of academic rigor and contemporary theoretical knowledge in the fields of media design and engineering.

•Participate in cross-disciplinary collaborative processes at an advanced skill level.

**Career Opportunities:** Graduates are prepared to work in a variety of settings and industries including interactive and experience design, themed entertainment, higher education, event design, professional theatre companies and community arts organizations.

Graduates from this program have a very high rate of early career placement, and alumni have gone on to a diverse array of positions, including tenured and tenure track positions at research universities, and they have become lead technicians for Cirque du Soleil, designers and technicians for Obscura Digital and similar companies, projection department heads at major regional theatres, and freelance designers from Korea to Broadway.

Career examples include:

- AR/VR/XR designer
- digital media artist or designer
- digital media arts educator or professor
- digital media composer
- interactive media designer
- interactive performance artist
- media technician
- performance designer

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Performance Design), MFA (FAPERDMFA)

**Online Degree Search Title:** Theatre (Performance Design), MFA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** ASU offers a strenuous and innovative MFA program in theatre with a concentration in performance design that focuses on a nontraditional approach to design training in preparation for the theatrical design challenges of the future. The design student works with an ensemble of designers, directors and performers to create new projects that redefine the role of the traditional designer.

Skills for approaching and creating new work include:

- design applications in multimedia
- development of artistic entrepreneurship and integrity
- drafting and computer imaging
- new work development

Performance design students work in multiple venues, including the 481-seat Galvin Playhouse, 164-seat Lyceum Theatre, two studios and one experimental space. In addition, students work in the shops, a design studio and a computer-imaging lab.

Admission to the directing, performance and performance design concentrations is cohort-based.

**Degree Requirements:**
60 credit hours including the required applied project course (THP 693).
This is a three-year program culminating in an applied project. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional internship is required and can be fulfilled anytime after the first year of study. Students conclude with an applied ensemble design project suited to their needs and interests.

The first year is dedicated to creating an ensemble as well as honing the skills needed to visually communicate ideas to a director and audience. The second year concentrates on new work development that culminates in a tour. This year also concentrates on strengthening design abilities. The third year serves as a bridge between the educational and professional theatre and the communities they serve.

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic writing sample
- current resume
- portfolio of 10 samples of visual work to be presented at interview
- three letters of recommendation from professionals familiar with the student's work
- written statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants also are required to do an interview.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice.

Students should see the program website for application deadlines and admission terms.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Performance), MFA (FAPERFMFA)

**Online Degree Search Title:** Theatre (Performance), MFA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MFA program in theatre with a concentration in performance focuses on cultivating the actor-creator and fostering the conceptual thinker and collaborator by teaching students to develop and create original devised works and developing their skills as artist entrepreneurs. Innovative performance applications in multimedia and transdisciplinary collaboration are informed by artistic integrity and social responsibility.

The school offers multiple approaches to devising and new work development:

- Fitzmaurice voicework
- Lecoq training
- new play development
- performance technology
- Rasaboxes
- solo and collaborative performance
- various devising methodologies
- Viewpoints

In addition to core physical and vocal training, the program offers undergraduate-level teaching opportunities, funding for national and international conference travel, and career development internship opportunities.

During the third year of study, candidates conduct professional career development internships. In the past, students have completed internships at:

- Childsplay Theatre Company
- Cleveland Playhouse
- Dah Theatre, Belgrade, Serbia

- North Coast Rep
- One Yellow Rabbit
- SITI Company
- Synetic Theatre
- The Actor's Gang (Los Angeles)
- Theatre L'Homme Dieu
- Victory Gardens

**Degree Requirements:**
60 credit hours including the required applied project course (THP 693).
This is a three-year program culminating in an applied project.

The first year is dedicated to intensive movement; acting and Fitzmaurice voice training; and ensemble-building and devising with a focus on Lecoq, Rasaboxes, Viewpoints and Meisner.

Second-year training provides opportunities for students to explore their work in a wide range of performance modalities such as community-embedded drama, solo performance, performance and technology, and devising original work. Performers collaborate with the Master of Fine Arts designers, directors and playwrights to devise a new scripted performance for the mainstage season.

The third year culminates in an applied performance project, serving as a bridge between the educational and professional worlds and the communities they serve.

Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional career development internship is required.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- current resume
- statement of purpose
- academic writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from professionals familiar with the student's work.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice.

Applicants need to do an interview either on campus or at one of the university or resident theatre association sites.

Students should see the program website for application deadlines and admission terms.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply a variety of acting, movement, and voice methodologies and modalities to performance contexts.
- •Apply advanced knowledge of history and theory to collaboration, development, and devising of original work.
- •Synthesize one's skills towards substantial performance projects that integrate core specializations.

**Career Opportunities:** Professionals with a Master of Fine Arts in performance have successfully obtained tenure-track jobs in movement, voice,

acting and devising as well as post-graduate fellowships, visiting faculty positions and adjunct faculty positions at prestigious colleges and universities across the country.

The program builds skills for creating one's own theatre and theatre company and several of the program's graduates have successfully created their own theatre companies. Several graduates have become professional actors working in regional and professional theatres as well as joining established theatre companies or work within an established theatre company as teaching artists, program coordinators and event curators.

Career examples include:

- creating and forming a theatre company
- creating and producing original devised work
- obtaining highly competitive local and national arts grants and arts residencies
- obtaining tenure-track jobs in acting, voice and movement
- obtaining visiting faculty and adjunct faculty positions
- performing and touring with established theatre companies
- presenting work at national and international conferences
- publishing articles and books that impact the field
- working within an established arts organization as a teaching artist, program coordinator or event curator

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 232A
mdtadmissions@asu.edu
480-965-4206

## Theatre (Theatre and Performance of the Americas), PHD (FAPERAMPHD)

**Online Degree Search Title:** Theatre (Theatre and Performance of the Americas), PhD
**Campus:** Tempe

**Program Description:** The PhD in theatre with a concentration in theatre and performance of the Americas trains scholars to examine cultural performance from a hemispheric point of view, with a focus on the histories, theories and practices associated with such performances.

Through coursework, seminars, research and study opportunities, doctoral students work from diverse critical perspectives that mobilize thought across geographical and disciplinary borders. They develop skills to reexamine and interrogate the canon of theatre as text and as performance, expanding the traditional boundaries of theatre studies in two ways: via a perspective that considers the shared histories and practices of theatre and performance in the Americas as central to an intervention in traditionally narrated histories and theories of theatre; and via the methodologies of cultural and performance studies that accommodate other forms of embodied expression related to but distinct from formal theatrical expression.

The course of study is designed to provide substantive historical and theoretical grounding in the field while allowing flexibility in specialized seminar and practical experiences. The first year of study immerses students in the theoretical and practical groundwork of performance research in general and in modalities of performance in the Americas in particular. In the second year, students build on research interests identified in the first year through specialized coursework and practical experience.

**Degree Requirements:**
90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (24 credit hours)

Electives (42 credit hours)

Research (12 credit hours)
THE 792 Research (12)

Culminating Experience (12 credit hours)
THE 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

Two of the elective courses must come from outside the school, and they must be approved by the supervisory committee.

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as community-

based theatre, dramaturgy, theatre for social change, theatre history, theatre theory and criticism, and related topics seminars.

Students also may take courses outside the School of Music, Dance and Theatre in areas such as critical and cultural studies, area studies, languages and literatures, and aesthetic theory. All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

Preliminary Reviews:
Reviews of the student's performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

Comprehensive Examinations:
Examinations are comprised of written and oral components centering on theatre history, literature and criticism, theatre and performance of the Americas and the research area.

Dissertation Requirements:
A dissertation based on original high-quality research work demonstrating proficiency in the student's special field is required.

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in a relevant area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's program and a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- curriculum vitae
- sample of scholarly writing
- statement of purpose
- three letters of recommendation from professionals familiar with the student's work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their their current residency.

The statement of purpose should address the student's background and experiences as they relate to the student's reasons for pursuing the doctorate, and it should describe the student's research interests and indicate future career goals.

An interview is strongly recommended.

Students should see the program website (https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply) for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply doctoral level research methods and theory relevant to the student's area of focus in theatre.
- •Apply advanced analytical skills in the critical examination of theatre.
- •Synthesize research and analytical skills towards an in-depth written dissertation project.

**Career Opportunities:** Many alums with a doctoral degree in theatre and performance of the Americas go on to teaching and research positions in higher education while some have chosen careers in arts and culture organizations where their expertise in curation and dramaturgical framing of artistic work finds expression. There is also a strong record of article and book publications that represent significant contributions to the field.

Career examples include:

- education director or program manager
- postgraduation fellowships at prestigious universities
- tenure-track jobs
- visiting faculty positions
- working within an established arts or cultural organization in a variety of positions

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Theatre for Youth and Community), MFA (FAYOUTHMFA)

**Online Degree Search Title:** Theatre (Theatre for Youth and Community), MFA
**Campus:** Tempe

**Program Description:** Students in the MFA program in theatre with a concentration in theatre for youth and community study with distinguished faculty; engage in comprehensive coursework; and participate in hands-on experiences in all areas of theatre-making with, by, and for young people and communities. Students hone their skills and knowledge in artistry, facilitation and pedagogy in a challenging and supportive atmosphere, developing cutting-edge artistry, engagement and teaching.

**Degree Requirements:**
60 credit hours including the required applied project course (THP 693), a written comprehensive exam and an oral comprehensive exam.
This is a three-year program.

Required core courses are supplemented by elective courses in an emphasis area which are focused on preparation for suitable career paths and options. An internship with a professional theatre company, school or arts organization and a final applied project complete the program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- current curriculum vitae
- statement of purpose
- work sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants should thoroughly review application deadlines and requirements on the department's website (https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply).

A highly competitive program, this degree accepts only a small number of students each year in order to provide highly individualized attention.

The statement of purpose should clearly explain the applicant's aesthetic and educational philosophies and future career goals. After reading the statement, the faculty should understand not only the applicant's current passions but also why the theatre for youth and community program at ASU would be an appropriate fit to meet the student's educational, practical and scholarly goals. The program accepts thoughtful, well-informed artists, scholars, educators and citizens.

The three letters of recommendation should be from professionals familiar with the applicant's work.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will be able to create new performances, processes and solutions in their core areas of practice (including: theatre for and with youth, education and curriculum design, community-based theatre, civic practice, applied theatre and theatre for social justice).
- Students will be able to apply relevant theoretical and critical frames for the assessment of theatre and drama for and with youth and communities in relevant contexts such as K-12 schools, universities, professional and amateur theatres, community centers and applied theatre contexts.

•Students will be able to apply key skills, discourses and organizational strategies of their chosen area of specialization to the creation of new projects or partnerships with existing organizations, such as schools, arts organizations, government entities or other relevant partners.

**Career Opportunities:** Graduates are prepared to be engaged and innovative leaders in a variety of careers in diverse settings and industries, including:

- arts entrepreneurship
- community arts
- elementary, secondary and tertiary education systems
- professional theater
- youth theater

Examples of careers include:

- activist
- director
- facilitator
- organizer
- practitioner
- specialist
- teacher

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Theatre for Youth and Community), PHD (FAYOUTHPHD)

**Online Degree Search Title:** Theatre (Theatre for Youth and Community), PhD
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** Students in this internationally recognized PhD program in theatre with a concentration in theatre for youth and community develop a personalized course of study by participating in comprehensive coursework, developing advanced research skills, and connecting their research interests to contemporary trends and conversations in the field.

Students receive individualized attention and focused mentorship in a challenging and supportive atmosphere designed to educate future leaders and researchers in the field.

**Degree Requirements:**
90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (30 credit hours)

Research (12 credit hours)
THE 792 Research (12)

Research Methodology (6 credit hours)

Electives (30 credit hours)

Culminating Experience (12 credit hours)
THE 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as community-based theatre, theatre education, theatre for social change, theatre history, theatre theory and criticism, and tutorial courses.

Students also may take courses outside the School of Music, Dance and Theatre in areas such as aesthetic theory, area studies, children's

literature, critical and cultural studies, educational theory and methodology, languages and literatures, arts education, policy research and democracy studies.

Research methodology coursework is chosen in consultation with the supervisory committee. Where appropriate, the supervisory committee may approve certification of literacy in a foreign language as meeting the research methodology requirement. This approval is granted only in those circumstances wherein fluency in that language is necessary for the dissertation research.

Additional Curricular Requirements:

- ongoing reviews of a student's performance in courses and development of research skills, artistic skills and teaching competencies conducted by the supervisory committee at the end of each semester
- comprehensive examinations composed of written and oral components centering on theatre history, literature and criticism, theatre for youth and theatre education and the research area
- dissertation developed from an approved prospectus, based on original research work of high quality, demonstrating proficiency in the student's special field and adding new knowledge

All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in theatre or education from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- curriculum vitae
- sample of scholarly writing
- statement of purpose
- three letters of recommendation
- proof of English proficiency

An interview is optional.

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

For the statement of purpose, applicants should cogently explain their research, educational philosophies and future career goals. After reading these statements, the doctoral faculty should understand not only their current passions, but also why the theatre for youth and community program at ASU would be an appropriate fit to meet their educational, philosophical and scholarly goals.

Three letters of recommendation from professionals familiar with the applicant's work should address, specifically, the applicant's potential for success in a doctoral program.

Applicants should thoroughly review application deadlines and requirements on the school's website (https://musicdancetheatre.asu.edu/admissions/theatre/graduate-steps-to-apply).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will be able to create works of scholarship with the potential to build new knowledge in their chosen theatre for youth and community subfields (including: theatre for and with youth, education and curriculum design, community-based theatre, civic practice, applied theatre and theatre for social justice).

- Students will be able to make an original contribution to field scholarship and research by implementing a long-form research and writing process (e.g., book-length or multi-year work).

- Students will be able to effectively present research as is pertinent to their chosen subfields and subject areas.

**Career Opportunities:** Graduates are prepared to be engaged and innovative leaders in a variety of careers in diverse settings and industries, including:

- arts entrepreneurship
- community arts
- elementary, secondary and tertiary education systems
- professional theater
- youth theater

Examples of careers include:

- activist
- director
- facilitator
- organizer
- practitioner
- specialist
- teacher

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Urban Design, MUD (ARMUDMUD)

**Online Degree Search Title:** Urban Design, MUD
**Campus:** Tempe

**Program Description:** The Master of Urban Development at The Design School is a transdisciplinary post-professional graduate program that provides students with actionable knowledge of urban design and enables students to lead urban transformations for community and urban resilience.

Students study and apply newly emerging design knowledge from architecture, landscape architecture, creative placemaking and keeping, urban planning, community development, civil engineering and real estate development. Students also draw from critical works in non-design disciplines including climate science, social justice, sustainability science, urban ecology, urban climate, natural resources management, environmental psychology, anthropology, arts, histories, smart city, laws and systems theory.

The MUD offers a 12-month curriculum built around the analysis and understanding of the dynamic urban systems specific to rapidly urbanizing regions of the world. The program leverages the Phoenix metro area as a learning laboratory through a number of challenges --- the rapidly expanding metropolis, the scarcity of water resources, the extreme heat and climatic conditions, and the area's unique ecological and cultural diversity --- in the development of responsible global initiatives and innovative design strategies for urban environments.

This program addresses the urban design transformations that are needed in order to build just, sustainable and resilient cities.

**Degree Requirements:**
36 credit hours including the required applied project course (MUD 593).
Required Core (10 credit hours)
MUD 521 Advanced Urban Design Studio I (5)
MUD 522 Advanced Urban Design Studio II (5)

Electives (9 credit hours)

Other Requirements (12 credit hours)
DSC 598 Topic: Principles of Collaboration in Design (3)
LAP 598 Topic: Smart City Sustainability and the Environment (3)
MUD 598 Topic: Great Cities (3)
MUD 598 Topic: Urban Issues (3)

Culminating Experience (5 credit hours)
MUD 593 Applied Project (5)

Additional Curriculum Information
Students should see the academic unit for an approved design professional elective list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- two references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency through either the TOEFL or the IELTS regardless of their current residency. The minimum score for admission to the program is 80 on the TOEFL iBT or an overall band score of 6.5 on the IELTS.

Other information for international applicants can be found at the English proficiency for international graduate students (https://admission.asu.edu/international/graduate/english-proficiency) page.

Applicants who hold a studio-based four-year undergraduate design degree are considered for the one-year MUD program. The Master of Urban Design is a postprofessional program.

Applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU in a studio-based design discipline.

The portfolio, letter of intent and contact information for three references need to be submitted to SlideRoom (https://asudesign.slideroom.com/#/Login (https://asudesign.slideroom.com/#/Login)). The Design School requires that these be submitted in addition to the graduate admission application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the one-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. This may cause the student to take longer than one year to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome, and the candidate should make arrangements by contacting the department.

**Career Opportunities:** Graduates are prepared to work in a diverse spectrum of positions in the design field within public and private sectors and not-for-profit organizations. Some examples for the type of work include:

- climate change mitigation and adaptation
- community development
- creative placemaking and placekeeping
- environmental and climate justice
- low-impact development
- public health and cities
- smart cities
- sustainable cities
- transit-oriented design
- urban and community resilience

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162

designgrad@asu.edu
480-965-3536

## Visual Communication Design, MVCD (HIVCDMVCD)

**Online Degree Search Title:** Visual Communication Design, MVCD
**Campus:** Tempe

**Program Description:** The MVCD program at The Design School is a studio-based degree program. Students in this program work on strategic visual communication design projects with a focus on visual design communication proposals as well as related practices that improve human experiences, enhance interaction with technology, increase business value and speculate critically about social issues. Students engage in visual and theoretical research, ideation, visualization, prototyping and testing of creative solutions that address critical problems faced in the contemporary designed world.

Graduates of this program are adept in working with principles of visual communication design, emotional intelligence, and systems thinking in problem identification and its appropriate contextual solutions.

**Degree Requirements:**
60 credit hours including the required capstone course (GRA 622).
Required Core (43 credit hours)

Electives (6 credit hours)

Other Requirement (6 credit hours)
GRA 581 Internship in Teaching Design (3)
GRA 584 Internship (3)

Culminating Experience (5 credit hours)
GRA 622 Advanced Visual Communication Design Studio IV (5)

Additional Curriculum Information
The Master of Visual Communication Design program includes sequential studio courses. Requirements involve an average of 14 credit hours per semester. A summer internship is required during the summer prior to the final year.

The three-plus-year program adds the following requirement to the plan of study: deficiency courses (42 credit hours).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution. Students should see below for information on the qualifications for a two-year program of study or a three-plus-year program of study.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- additional required application items submitted to SlideRoom (see below)
- two letters of reference
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency through either the TOEFL or the IELTS regardless of their current residency. The minimum score for admission to the program is 80 on the TOEFL iBT or an overall band score of 6.5 on the IELTS. Additional information can be found at the Admission Services (https://admission.asu.edu/international/graduate/english-proficiency) website.

A portfolio, letter of intent, resume, and contact information for three references need be submitted to SlideRoom (https://asudesign.slideroom.com/#/Login (https://asudesign.slideroom.com/#/Login)). The Design School requires that these be submitted in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred. Students must enroll in the semester for which they are admitted; otherwise, they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the

department.

Admission Requirements to the Two-Year Program
All applicants must have completed a minimum of a bachelor's degree or equivalent or a graduate degree from a regionally accredited college or university of recognized standing in visual communication design or graphic design, or other design discipline, or have significant experience in design demonstrated with a portfolio where visualization and visual communication skills are presented.

Admission Requirements to the Three-Plus-Year Program
All applicants must have earned a bachelor's degree or equivalent in a field other than in visual communication design or graphic design, or no significant experience in visual communication or graphic design.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. This may cause the student to take longer than two years to complete the program.

**Career Opportunities:** Graduates pursue professional practice in visual communication, experience design and strategic design as well as in academia. Career opportunities include:

- creative lead
- design manager
- design researcher
- experience designer
- interaction designer
- senior visual communication designer
- service designer
- UX designer
- visual design consultant
- visual sense-maker

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

# Engineering, Ira A. Fulton Schools of

## Aerospace Engineering, MS (ESAEROSPMS)

**Online Degree Search Title:** Aerospace Engineering, MS
**Campus:** Tempe

**Program Description:** The MS program in aerospace engineering prepares engineers for doctoral study or industrial positions specializing in research, project management and product innovation in aerospace engineering.

The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aerospace Engineering (Aeronautics), BSE
Aerospace Engineering (Astronautics), BSE
Aerospace Engineering (Autonomous Vehicle Systems), BSE
Mechanical Engineering, BSE
Mechanical Engineering (Computational Mechanics), BSE
Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during

the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (MAE 593).
Major Area of Emphasis (12 or 15 credit hours)

Technical Electives (6 or 9 credit hours)

Mathematics (6 credit hours)

Culminating Experience (0-6 credit hours)
MAE 593 Applied Project (3) or
MAE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the thesis option.

The plan of study must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of courses at the 500 level and above, with a minimum cumulative GPA of 3.00 or above.

Students completing a portfolio for the culminating experience must complete at least 15 credit hours of graduate MAE coursework (500 level and above) for the major area of emphasis requirement. An additional three credit hours of elective coursework, for a total of nine credit hours, is also required.

Coursework for the major area of emphasis is restricted to MAE coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency via a minimum score of 80 on the internet-based TOEFL regardless of their current residency.

Admission to the aerospace engineering graduate program is highly competitive.

Admission to the 4+1 degree program requires an ASU GPA of 3.50 (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review, and admission is not guaranteed.

**Career Opportunities:** Professionals with a master's degree in aerospace engineering have strong opportunities at most levels in aerospace engineering in research, design and manufacturing at companies of all sizes as well as national laboratories (DOE, DOD, NASA). Analytical skills learned in aerospace engineering are also valued for other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- research engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/aerospace-graduate/
ECG 202
semtegrad@asu.edu
480-965-2335

## Aerospace Engineering, PHD (ESAERSPPHD)

**Online Degree Search Title:** Aerospace Engineering, PhD
**Campus:** Tempe

**Program Description:** The PhD program in aerospace engineering emphasizes original research and provides students with a strong background for employment by academic institutions, government laboratories and industrial research laboratories with a focus on aerospace engineering.

The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy. Modern computational and laboratory facilities are available to support timely research investigations.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
All students pursuing the doctorate are required to pass both a qualifying and a comprehensive examination administered by the program committee. In addition, the following are required:

coursework directly related to the research area (18)
mathematics (9)
graduate courses outside the major research area (9)
MAE 792 Research
MAE 799 Dissertation credit hours (12)

Students in the doctoral program who have not completed an MS degree previously will be allowed to apply for a Master of Science in Passing after successfully completing the comprehensive exams.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from an accredited U.S. or international institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency via a minimum of score of 80 on the internet-based TOEFL regardless of their current residency.

Admission to the aerospace engineering doctoral program is highly competitive and preferred applicants have an undergraduate or master's degree in aerospace engineering or mechanical engineering. The admission process considers all aspects of the student's application. The typical successful applicant has a cumulative GPA of at least 3.25 (scale is 4.00 = "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE and TOEFL scores.

**Career Opportunities:** Professionals with a doctorate in aerospace engineering have strong opportunities at all levels in aerospace engineering in research, design and manufacturing at companies of all sizes as well as national laboratories (DOE, DOD, NASA). Analytical skills learned in aerospace engineering are also valued for other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- research engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/aerospace-graduate/
ECG 202
semtegrad@asu.edu
480-965-2335

## Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAEPEETMA)

**Online Degree Search Title:** Applied Ethics (Ethics and Emerging Technologies), MA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MA program in applied ethics with a concentration in ethics and emerging technologies examines ethical challenges posed by emerging technologies, including nanotechnology, neurotechnology, biotechnology, robotics, and advanced information and communication technology. Not only are these technologies being developed at an unprecedented pace, they also share several unique characteristics, including system complexity, social embeddedness and the potential to converge with one another.

Emerging technologies are changing how humans live and work and have the potential to alter the very nature of human existence. Challenges considered by courses in the program include regulation of emerging technologies through public policy, ethical responsibilities of professionals engaged in development of emerging technologies, promise and perils of emerging technologies, and whether traditional ethical concepts and processes can and should be applied to emerging technologies.

**Degree Requirements:**
30 credit hours including the required applied project course (AEP 593).
Required Core (6 credit hours)

Concentration (3 credit hours)

Elective (15 credit hours)

Culminating Experience (6 credit hours)
AEP 593 Applied Project (6)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- official GRE scores sent directly to Graduate Admission Services
- statement of interest in applied ethics and career goals
- three letters of recommendation

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency by meeting the Graduate College English proficiency requirements regardless of their current residency.

Applicants required to demonstrate English proficiency and who are seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

**Contact Information:**

Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering & Built Envirnmt
https://graduate.engineering.asu.edu/
ECG 251
sebe.advising@asu.edu
480-965-0595

## Biological Design, MS (ESBDEMS)

**Online Degree Search Title:** Biological Design, MS
**Campus:** Tempe

**Program Description:** Students pursuing the MS degree in biological design are trained in the continuum between technology and biology by participating in a flexible training program that requires students to take one program core course (Principles of Biological Design), one course from a suite of biotechnology courses, and one from a suite of statistics courses.

The flexibility of this program, while maintaining key instructional structure, allows students from both traditional and nontraditional engineering backgrounds to have simultaneous access to training and mentoring in both engineering and technology with a biological focus. This allows students from diverse backgrounds to have access to transdisciplinary education and training that they would not have in traditional program settings.

As part of coursework and applied projects or theses, students read literature; identify critical problems related to energy, environment, human health, sustainability and security; and develop solutions to these problems using a synergy of technological and biological solutions, either in teams (course projects) or individually (thesis or applied project). Students are mentored by faculty from different colleges and schools at ASU.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (BDE 593).
Required Core (3 credit hours)
BDE 502 Research Methods in Biological Design (3)

Statistics (3 credit hours)
CHE 598 Topic: Six Sigma Methodology/Engineering Experimentation (3)
IEE 572 Design Engineering Experiments (3)
IEE 578 Regression Analysis (3)
IEE 670 Mathematical Statistics (3)

Biotechnology (3 credit hours)
BME 598 Topic: Bioenergy and Microbial Biotechnology (3)
BME 598 Topic: Cellular and System Modeling (3)
BME 598 Topic: Chimeras and Recombinant Organisms in Medicine (3)
CEE 565 Advanced Environmental Biotechnology (3)
CEE 567 Environmental Microbiology (3)
CEE 598 Topic: Bio-inspired Design (3)
CHE 579 Microbial Bioprocess Engineering (3)
CHE 598 Topic: Nanobiotechnology (3)
CHE 598 Topic: Synthetic Biology and Metabolic Engineering (3)

Electives (12 or 15 credit hours)

Other Requirements (3 credit hours)
BDE 591 Seminar (3)

Culminating Experience (3 or 6 credit hours)
BDE 593 Applied Project (3)
BDE 599 Thesis (6)

Additional Curriculum Information
BDE 591 Seminar is a one credit hour course to be taken in three semesters. This course may be substituted with the academic unit's approval.

Students select electives in consultation with their advisor. Students completing the applied project for the culminating experience must complete 15 credit hours of electives, and students completing the thesis option take 12 credit hours of electives.

Students must complete three credit hours for each requirement in statistics and in biotechnology from the courses listed. If approved by the academic unit, courses may be substituted with an appropriate alternative.

Coursework selected as part of the statistics or biotechnology requirements may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total credit hours of their plan of study are equal to 30.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering. Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field, including physical sciences, biological sciences, and engineering from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants whose native language is not English are required to achieve a minimum score of 90 on the TOEFL iBT.

The application process is very competitive and candidates are strongly encouraged to adhere to all priority deadlines.

**Career Opportunities:** It is anticipated that graduates will find placement in the broader biotechnology industry including biopharmaceutical processing, biomanufacturing, sustainable biotechnology, and food and agribusiness industries. Some graduates will likely pursue careers in entrepreneurship (e.g. start-up companies), law (e.g. patent law), regulatory affairs and medicine.

Career examples include:

- clinical laboratory technologists
- environmental engineers
- environmental scientists and specialists
- epidemiologists
- health and safety engineers
- microbiologists

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School for Engineering of Matter,Transport & Enrgy
https://semte.engineering.asu.edu/
ECG 202
semtegrad@asu.edu
480-965-2335

## Biological Design, PHD (GCBDSPHD)

**Online Degree Search Title:** Biological Design, PhD
**Campus:** Tempe

**Program Description:** The PhD program in biological design seeks to develop a new type of scientist by training students in core disciplines related to biomedicine and biotechnology while simultaneously preparing them to participate successfully in the interdisciplinary research teams of the future.

The research emphasis is on projects that are use-inspired, contributing directly to solutions for important societal challenges. This is a highly mentored program of personalized study that provides significant interaction with the large and vibrant local research community.

There are four key distinguishing features of the curriculum: a personalized plan of study that allows students to explore the disciplinary and interdisciplinary areas of greatest interest; encouragement to choose dissertation research projects that are use-focused, contribute to solving a large-scale challenge and promise rich transdisciplinary experiences; opportunities to participate in a proseminar format to encourage broad research interactions and discuss problems and challenges in biological design research; and three 10-week laboratory rotations during the first year of study. Rotations can be in any ASU laboratory that is centered largely on biological research.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)

BDE 702 Fundamentals of Biological Design II (3)

Other Requirements (2 credit hours)
BDE 598 Special Topics: Biological Design Seminar (1)
BDE 791 Seminar: Biological Design Proseminar (1)

Electives and Research (67 credit hours)

Culminating Experience (12 credit hours)
BDE 799 Dissertation (12)

Additional Curriculum Information
Other requirements courses may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Three letters of recommendation relative to the candidate's academic career are required. The personal statement should reflect the candidate's career and educational goals and should explain why the candidate is interested in pursuing this degree. The resume should include prior research and employment experience, honors, awards, memberships held, publications, etc.

For additional admission requirements, including transcripts, fees and international application requirements, students should see the Admission Services website.

**Career Opportunities:** Graduates are trained at the intersection of biological sciences, physical sciences and technology through innovation, design and production. They find career opportunities in health care, biotechnology, pharmaceutical discovery, biomanufacturing, security, environmental and food agribusinesses.

Career examples include:

- biochemists and biophysicists
- clinical scientists
- environmental engineers
- health and safety engineers
- medical scientists and engineers
- microbiologists

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School for Engineering of Matter,Transport & Enrgy
https://semte.engineering.asu.edu/biological-design-phd/
ECG 202
semtegrad@asu.edu
480-965-2335

## Biomedical Engineering, MS (ESBIOENMS)

**Online Degree Search Title:** Biomedical Engineering, MS
**Campus:** Tempe

**Program Description:** The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the MS in biomedical engineering.

Areas of study include:

- biomaterials, biosensors, biomarkers and biomimetic materials
- biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

The biomedical engineering program offers an accelerated BSE/MS degree in biomedical engineering for students in the Bachelor of Science in Engineering program who have maintained a GPA of 3.50 (scale is 4.00 = "A") into their junior year. The program allows up to 12 credit hours of graduate-level coursework taken during the senior year to be applied toward both the undergraduate and graduate degrees.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biomedical Engineering, BSE
Biomedical Engineering (Biological Devices), BSE
Biomedical Engineering (Biomedical Devices), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (BME 593).
All candidates pursuing a master's degree in biomedical engineering are required to complete an approved plan of study. Special course requirements for the different areas of study are established by the faculty.

A candidate whose undergraduate degree is in a field other than biomedical engineering may be required to complete more than the required credit hours of the program of study.

The following are program requirements for the applied project option:

biomedical engineering coursework (13)
biomedical engineering seminar (2)
general electives (6)
quantitative electives (6)
applied project (3)

The following are program requirements for the thesis option:

biomedical engineering coursework (9)
biomedical engineering seminar (3)
general electives (6)
quantitative electives (6)
thesis (6)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- a statement of purpose

- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Ability to develop a research or design project in biomedical engineering for students who will be completing a thesis or an applied project
- •Ability to evaluate quantitative problems related to biomedical engineering by applying statistical analysis, mathematical modeling, and image processing methods related to biomedical engineering
- •Ability to communicate biomedical concepts to an interdisciplinary audience through data synthesis, interpretation and visualization

**Career Opportunities:** Professionals who specialize in biomedical engineering research areas are in high demand by local, national and international employers across sectors and industries, including business, academia, health care, government and research.

Career examples include:

- biochemical engineer
- bioinformatics scientist
- biomedical engineer
- geneticist
- health sciences manager
- medical scientist
- molecular biologist
- nanosystems engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Harrington Bioengineering Program
https://sbhse.engineering.asu.edu/
ECG 334
sbhse.advising@asu.edu
480-965-3028

## Biomedical Engineering, PHD (ESBIOENPHD)

**Online Degree Search Title:** Biomedical Engineering, PhD
**Campus:** Tempe

**Program Description:** The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the PhD in biomedical engineering.

Areas of study include:

- biomaterials, biosensors, biomarkers and biomimetic materials
- biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

The doctoral degree in biomedical engineering is conferred upon evidence of excellence in research resulting in a scholarly dissertation that is a contribution to knowledge.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Bioengineering Courses (18 credit hours)
Doctoral students are required to complete six credit hours from each of the following three areas:
BME graduate courses (BME prefix) (6)
life science or biology graduate courses (6)
quantitative math or engineering (6)

Other Requirement (3 credit hours)

BME 780 Teaching Practicum (3)

Technical Electives (9 credit hours)

Research (37 credit hours)
BME 792 Research (37)

Seminar (5 credit hours)
BME 591 Seminar (5)

Culminating Experience (12 credit hours)
BME 799 Dissertation (12)

Additional Curriculum Information
Up to six credit hours of the required biomedical engineering courses and technical electives combined may be at the 400 level.

Courses used to satisfy the technical electives requirement must be selected from the list of 400- to 700-level courses that are not selected as required BME courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students should view the School of Biological and Health Systems admission checklist (https://sbhse.engineering.asu.edu/phd-biomedical-engineering/) for specific admission procedures and deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Ability to independently develop an approach for identifying problems, collecting, analyzing and interpreting data in the area of biomedical engineering
- •Develop ability to communicate original biomedical research as scholarly work or publication
- •Develop teaching practices under faculty supervision that are appropriate for biomedical engineering education within industry or academia

**Career Opportunities:** Professionals who specialize in biomedical engineering research areas are in high demand across sectors and industries, including business, academia, hospitals, government agencies and research facilities. The skill sets gained by graduates of the doctorate program in biomedical engineering are sought by local, national and international employers.

Career examples include:

- bioinformatics scientist
- biomedical engineer
- geneticist
- medical scientist
- molecular biologist
- professor

**Contact Information:**
Engineering, Ira A. Fulton Schools of

Harrington Bioengineering Program
https://sbhse.engineering.asu.edu/
ECG 334
sbhse.advising@asu.edu
480-965-3028

## Chemical Engineering, MS (ESCHEMEMS)

**Online Degree Search Title:** Chemical Engineering, MS
**Campus:** Tempe

**Program Description:** The chemical engineering faculty offer a graduate program leading to the MS in chemical engineering.

Areas of research emphasis include atmospheric aerosols, biomolecular engineering, biosensors, chemical therapies for neurodegenerative diseases, electrochemistry, electronic materials processing, engineering education, flexible display technology, fuel cells, inorganic membranes, process design and operations, protein synthesis, transport phenomena in living systems and water purification.

A graduate handbook detailing information on graduate studies in chemical engineering is available on the school website. For additional details, students should contact the Graduate Advising Office in the School for Engineering of Matter, Transport and Energy.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Chemical Engineering, BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours and a thesis, or 33 credit hours including the required applied project course (CHE 593).
Required Core (9 credit hours)
CHE 533 Transport Processes I (3)
CHE 543 Thermodynamics of Chemical Systems (3)
CHE 544 Chemical Reactor Engineering (3)

Technical Electives (15 or 18 credit hours)

Other Requirement (3 credit hours)
CHE 591 Seminar (3)

Culminating Experience (3 or 6 credit hours)
CHE 593 Applied Project (3)
CHE 599 Thesis (6)

Additional Curriculum Information
This degree has two options: a thesis option and a nonthesis option. The nonthesis option requires an applied project. Both options require a faculty advisor. All students are admitted to the nonthesis option until a faculty advisor has been secured and agrees to allow the student to change to the thesis option.

The composition of technical electives depends on the student's final culminating experience. At least one technical elective course of three credit hours must be taken outside of chemical engineering, and the academic unit must approve all elective coursework in order for the credits to be utilized on the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts

- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency via a minimum score of 90 on the internet-based TOEFL, regardless of their current residency.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review, and admission is not guaranteed.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Demonstrate an understanding of key concepts of thermodynamics in the field and how to apply those concepts in their culmination event (Applied project or M.S. thesis).
•Communicate the results of research performed related to chemical engineering concepts through written and oral presentations.
•Demonstrate an understanding of key concepts of kinetics in the field and how to apply those concepts in their culmination event (e.g., Thesis).

**Career Opportunities:** Professionals with a Master of Science in chemical engineering have strong opportunities at all levels in chemical engineering in research, design and manufacturing at companies of all sizes; national (DOE, DOD, NASA) laboratories; and academics. Analytical skills learned in chemical engineering are also valued in other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- lecturer
- process engineer
- research engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
https://semte.engineering.asu.edu/chemical-graduate/
ECG 202
semtegrad@asu.edu
480-965-2335

## Chemical Engineering, PHD (ESCHEMEPHD)

**Online Degree Search Title:** Chemical Engineering, PhD
**Campus:** Tempe

**Program Description:** The chemical engineering faculty offer a graduate program leading to the PhD in chemical engineering.

Areas of research emphasis include atmospheric aerosols, biomolecular engineering, biosensors, chemical therapies for neurodegenerative diseases, electrochemistry, electronic materials processing, engineering education, flexible display technology, fuel cells, inorganic membranes, process design and operations, protein synthesis, transport phenomena in living systems and water purification.

A graduate handbook detailing information on graduate studies in chemical engineering is available on the school website. For additional details, students should contact the Graduate Advising Office in the School for Engineering of Matter, Transport and Energy.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (9 credit hours)
CHE 533 Transport Processes I (3)
CHE 543 Thermodynamics of Chemical Systems (3)
CHE 544 Chemical Reactor Engineering (3)

Technical Electives (18 credit hours)

Other Requirements (5 credit hours)
CHE 591 Seminar (5)

Research (12 credit hours)
CHE 792 Research (12)

Additional Research/Electives (28 credit hours)

Culminating Experience (12 credit hours)
CHE 799 Dissertation (12)

Additional Curriculum Information
Technical electives are selected from within or outside the chemical engineering program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English is required to achieve a minimum score of 100 on the internet-based TOEFL, regardless of their current residency.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrate an understanding of key concepts of thermodynamics in the field and how to apply those concepts in their Ph.D. research.
- •Write creative engineering documents that show an understanding of their experimental research and appropriately records and analyzes their results.
- •Construct a research plan that provides detailed experimental procedures and provides a novel research approach.

**Career Opportunities:** Professionals with a chemical engineering doctoral degree have strong opportunities at all levels in chemical engineering in research, design and manufacturing at companies of all sizes; national (DOE, DOD, NASA) laboratories; and academics. Analytical skills learned in chemical engineering are also valued in other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- lecturer
- process engineer
- research engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
https://semte.engineering.asu.edu/chemical-graduate/
ECG 202
semtegrad@asu.edu
480-965-2335

# Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)

**Online Degree Search Title:** Civil, Environmental and Sustainable Engineering, MS
**Campus:** Tempe

**Program Description:** The faculty in civil, environmental and sustainable engineering offer a graduate program leading to an MS in civil, environmental and sustainable engineering. The program is designed to enhance the knowledge gained in the undergraduate program by requiring students to understand and practice fundamental concepts in engineering, mathematics and the basic sciences.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and on the program's website.

Students are admitted to one of the following specialty areas in engineering:

- environmental
- geotechnical
- hydrosystems
- structural
- sustainable
- transportation

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Civil Engineering, BSE
Civil Engineering (Sustainable Engineering), BSE
Construction Engineering, BSE
Environmental Engineering, BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (CEE 593).
All candidates for the master's degree thesis option are required to complete 24 credit hours of approved graduate coursework and a minimum of six credit hours of CEE 599 Thesis. The written thesis must be original research in nature. Additional courses may be assigned by the graduate supervisory committee, depending on the background of the candidate. A final oral examination in defense of the thesis written work is required.

Candidates in the applied project option must complete 27 credit hours of approved graduate coursework and three credit hours of CEE 593 Applied Project.

Candidates in the comprehensive exam option must complete 30 credit hours of approved graduate coursework and complete a written comprehensive exam.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to this program if they have earned a bachelor's or master's degree with a major in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program. Applicants with a lower GPA may be admitted provisionally at the discretion of the admission committee.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Those seeking a

teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree program are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Prospective students should note the following two requirements need to be met for consideration for admission: minimum GRE score in the quantitative section of 155 and minimum combined score for the quantitative and verbal sections of 301. More information regarding how to send official GRE scores is on the Graduate Admission Services website.

Applicants are encouraged to submit a resume and personal statement.

**Career Opportunities:** This program prepares graduates to be civil engineers who typically focus on large projects such as buildings, roads, bridges, subway systems, dams and water supply networks.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
https://ssebe.engineering.asu.edu/graduate/civil/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)

**Online Degree Search Title:** Civil, Environmental and Sustainable Engineering, PhD
**Campus:** Tempe

**Program Description:** The faculty in civil, environmental and sustainable engineering offer a graduate program leading to the PhD in civil, environmental and sustainable engineering.

A broad range of theoretical and experimental research programs have been established in civil and environmental engineering to prepare graduate students for careers in professional practice and research. These programs are constantly evolving with the changes in society and the profession, and many are transdisciplinary in nature.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and in the program's graduate handbook.

Students are admitted to one of the following specialty areas in engineering:

- environmental
- geotechnical
- hydrosystems
- structural
- sustainable
- transportation

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
All candidates for the doctorate are required to complete 84 approved graduate credit hours; of these, 30 credit hours can be from the previously awarded master's degree. Additional graduate credit work may be assigned by the graduate supervisory committee, depending on the background of the candidate.

The graduate credit hours must include a minimum of 12 credit hours of research and 12 credit hours of dissertation work.

This degree program also requires written and oral comprehensive examinations and approval of the dissertation prospectus for the student to be eligible for doctoral candidacy.

After entering candidacy, the student completes the research and writes and successfully defends a dissertation.

A final oral examination in the defense of the dissertation work is required for all students.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a master's degree in engineering or a closely related master's degree program from a regionally accredited institution. Exceptionally qualified students with a bachelor's degree may be admitted to the doctoral program.

Applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a resume
- a personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

A student whose undergraduate or master's degree is not in civil engineering is required to take appropriate undergraduate or graduate courses as deficiency courses, to establish a base of knowledge in the discipline. Deficiencies for admission to the program are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Prospective students should note that GRE scores are used in the admission decision. The average scores for those who were admitted to the graduate programs over the last five years are 732 for MS/MSE and 751 for PhD (GRE General Test) or 157 for MS/MSE and 159 for PhD (GRE revised General Test) in the quantitative section; 1203 for MS/MSE and 1239 for PhD (GRE General Test) or 308 for MS/MSE and 311 for PhD (GRE revised General Test) as combined quantitative and verbal scores. More information regarding how to send official GRE scores to Graduate Admission Services can be found at the FAQ page (https://admission.asu.edu/contact/faqs#graduate).

Students' credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

**Career Opportunities:** Graduates in professional practice become civil engineers who typically focus on large projects such as buildings, bridges, subway systems, dams and water supply networks. Doctoral graduates also go into research and higher education.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
https://ssebe.engineering.asu.edu/graduate/civil/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Computer Engineering (Computer Systems), MS (ESCENCMS)

**Online Degree Search Title:** Computer Engineering (Computer Systems), MS
**Campus:** Tempe

**Program Description:** The MS in computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics and physical sciences. Students can take courses and participate in projects across two schools and among the core areas.

The program is intended for students who want to gain knowledge deeper than that provided at the bachelor's degree level and sufficient for designing and implementing state-of the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future doctoral study and those who wish to gain experience in research.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Systems Engineering, BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply

(https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis.
Required Core (6 credit hours)
CSE 551 Foundations of Algorithms (3)
EEE 554 Probability and Random Processes (3)

Electives (18-24 credit hours)

Culminating Experience (0-6 credit hours)
CEN 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
This program has a thesis and a nonthesis option for the culminating experience. Students in the nonthesis option take 24 credit hours of electives and students in the thesis option take only 18 credit hours to reach the 30 credit hour requirement. Electives are selected in consultation with the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or equivalent or a master's degree from a regionally accredited college or university of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores*
- proof of English proficiency

*GRE scores are required unless the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU. Students, international and domestic, are also exempt from taking the GRE if they have a degree from an ABET-accredited program from a U.S. or overseas institution and meet the minimum GPA requirements of the academic units. Students who do not meet these requirements as outlined are required to take the GRE.

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency via a TOEFL score regardless of their current residency. Students should visit the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency) for more information.

Letters of recommendation are optional.

The personal statement should indicate professional goals and reasons for desiring to enroll in the program.

Depending upon an applicant's prior academic preparation and accomplishments, it is recommended that students consider taking the following courses to ensure adequate background preparation:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
EEE 203 Signals and Systems I
EEE 335 Analog and Digital Circuits
MAT 243 Discrete Mathematical Structures

A reading list of the topics covered in the placement exam is provided in advance of the exam.

Students should see the program website for application deadlines.

**Career Opportunities:** Graduates from the Master of Science program in computer engineering are able to analyze and synthesize key theories and methods used in the field of computer engineering. These graduates can apply new theories, methods and designs that can advance the field

of computer engineering. More specifically, computer engineering program graduates have the skills to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

These skills can be applied in high-demand growth areas, such as autonomous systems and robotics; distributed, dependable and secure systems; as well as embedded systems for media processing and communications.

Master's degree program graduates may work under the direction of scientists and engineers who hold doctorates in high-tech lab settings, assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

Career examples include:

- computer hardware engineer
- computer systems engineer
- systems software engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cen.engineering.asu.edu/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Engineering (Computer Systems), PHD (ESCENCPHD)

**Online Degree Search Title:** Computer Engineering (Computer Systems), PhD
**Campus:** Tempe

**Program Description:** The PhD program in computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics and physical sciences. Students can take courses and participate in projects across two schools and among the core areas.

The program in computer engineering with a concentration in computer systems is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and wish to pursue a career in academia, research or highly technical entrepreneurial innovation.

This doctoral program provides broader and more in-depth preparation than the MS programs, in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
CSE 551 Foundations of Algorithms (3)
EEE 554 Probability and Random Processes (3)

Concentration (9 credit hours)

Focus Area Electives (3 credit hours)

Technical Electives (30 credit hours)

Research (24 credit hours)
CEN 792 Research (24)

Culminating Experience (12 credit hours)
CEN 799 Dissertation (12)

Additional Curriculum Information
Concentration, focus area and technical elective courses are selected in consultation with the academic unit.

The concentration and focus area course lists are located on the computer engineering website, and students need to meet the following requirements: at least nine credit hours of graduate level coursework in computer engineering (CEN XXX) or computer science (CSE XXX); and at least three credit hours of graduate level coursework in electrical engineering (EEE XXX) or computer engineering.

This program requires a qualifying exam. Students should see the academic unit for information on timeline and satisfactory progress standards.

Students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral Interactive Plan of Study with approval of the program and supervisory committee and the dean of the Graduate College.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited institution of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- personal statement
- three letters of recommendation
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The TOEFL is required for an applicant whose native language is not English. Further details are available on the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

The personal statement should explain the professional goals and reasons for desiring to enroll in the doctoral program as well as describing any research experiences and indicating personal research interest.

A student, whether international or domestic, is exempt from taking the GRE if they have a degree from an ABET-accredited program from a U.S. or overseas institution and meet the minimum GPA requirements of the academic units. A student who does not meet these requirements as outlined is required to take the GRE.

Depending on prior academic preparation and accomplishments of an applicant, it is recommended that the student consider taking the following courses to ensure adequate background preparation:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
EEE 203 Signals and Systems I
EEE 335 Analog and Digital Circuits
MAT 243 Discrete Mathematical Structures

**Career Opportunities:** Graduates from the doctoral program in computer engineering are able to analyze and synthesize key theories and methods used in the field of computer engineering. These graduates can generate and evaluate new theories, methods and designs that can advance the field of computer engineering. More specifically, computer engineering program graduates have the skills to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

These skills can be applied in high-demand growth areas, such as autonomous systems and robotics, distributed, dependable and secure systems, as well as embedded systems for media processing and communications. Career examples include:

- computer engineering professor
- computer engineering researcher
- computer hardware engineer
- computer systems engineer
- systems software engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cen.engineering.asu.edu/
CTRPT 105

SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Engineering (Electrical Engineering), MS (ESCENEMS)

**Online Degree Search Title:** Computer Engineering (Electrical Engineering), MS
**Campus:** Tempe

**Program Description:** Computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics and physical sciences. Students can take courses and participate in projects through this transdisciplinary program that spans two schools and encompasses several core areas.

The MS program is intended for students who want to gain knowledge deeper than that provided at the bachelor's degree level and is sufficient for designing and implementing state-of the-art systems in industrial research and development positions. Students learn to analyze and synthesize key theories and methods used in the field of computer engineering.

The program is also appropriate for students contemplating future doctoral study and for those desiring to gain experience in research.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Electrical Engineering, BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis.
Required Core (6 credit hours)
CSE 551 Foundations of Algorithms (3)
EEE 554 Probability and Random Processes (3)

Electives (18-24 credit hours)

Culminating Experience (0-6 credit hours)
CEN 599 Thesis (6) or
Portfolio (0)

Additional Curriculum Information
This program has a thesis and a nonthesis option for the culminating experience. Students in the nonthesis option take 24 credit hours of electives, and students in the thesis option take only 18 credit hours to reach the 30 credit hour requirement. Electives are selected in consultation with the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a master's degree from a regionally accredited college or university of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation (optional)
- GRE scores (required if undergraduate program is not ABET-accredited)*
- proof of English proficiency

*International and domestic applicants are exempt from taking the GRE if they have earned a degree from an ABET-accredited program (https://www.abet.org/ (https://www.abet.org/)) from a U.S. or overseas institution and if they meet the minimum GPA requirement for admission. Students who do not meet these requirements are required to provide GRE scores.

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency via a TOEFL score regardless of their current residency. More information can be found on the Admission Services English proficiency website (https://admission.asu.edu/international/graduate/english-proficiency).

The personal statement should indicate professional goals and reasons for desiring to enroll in the program.

**Career Opportunities:** Graduates from the Master of Science program in computer engineering are able to apply new theories, methods and designs that can advance the field of computer engineering. More specifically, program graduates have the skills to advance the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

These skills can be applied in high-demand growth areas, such as autonomous systems and robotics; distributed, dependable and secure systems; as well as in embedded systems for media processing and communications.

Career examples include:

- computer engineering professor
- computer engineering researcher
- computer hardware engineer
- computer systems engineer
- systems software engineer

Graduates may work under the direction of scientists and engineers who hold doctorates in high-tech lab settings, assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://cen.engineering.asu.edu
GWC 209
askee@asu.edu
480-965-3424

## Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)

**Online Degree Search Title:** Computer Engineering (Electrical Engineering), PhD
**Campus:** Tempe

**Program Description:** The PhD program in computer engineering is a transdisciplinary program that builds on the fundamentals of electrical engineering, computer science, applied mathematics and physical sciences. Students can take courses and participate in projects across two schools and among the core areas.

The program in computer engineering with a concentration in electrical engineering is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and wish to pursue a career in academia, research or highly technical entrepreneurial innovation.

This doctoral program provides broader and more in-depth preparation than the MS programs, in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
CSE 551 Foundations of Algorithms (3)
EEE 554 Probability and Random Processes (3)

Concentration (9 credit hours)

Focus Area Electives (3 credit hours)

Technical Electives (30 credit hours)

Research (24 credit hours)

CEN 792 Research (24)

Culminating Experience (12 credit hours)
CEN 799 Dissertation (12)

Additional Curriculum Information
Concentration, focus area and technical elective courses are selected in consultation with the academic unit.

The concentration and focus area course lists are located on the computer engineering website and need to meet the following requirements: at least nine credit hours of graduate-level coursework in electrical engineering (EEE XXX) or computer engineering (CEN XXX); and at least three credit hours of graduate-level coursework in computer engineering or computer science (CSE XXX).

This program requires a qualifying exam. Students should see the academic unit for information on timeline and satisfactory progress standards.

Students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral Interactive Plan of Study with approval of the program and supervisory committee and the dean of the Graduate College.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited institution of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum GPA of 3.50 (scale is 4.00 = "A") in the MS or MSE coursework for acceptance into the doctoral program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Students who hold a U.S. ABET-accredited undergraduate degree are not required to submit GRE scores.

**Career Opportunities:** Graduates from the doctoral program in computer engineering are able to analyze and synthesize key theories and methods used in the field of computer engineering. They can generate and evaluate new theories, methods and designs that can advance the field of computer engineering. More specifically, program graduates have the knowledge and skills they need to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

These skills can be applied in high-demand growth areas, such as autonomous systems and robotics; distributed, dependable and secure systems; as well as in embedded systems for media processing and communications. Career examples include:

- computer engineering professor
- computer engineering researcher
- computer hardware engineer
- computer systems engineer
- systems software engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://cen.engineering.asu.edu
GWC 209
askee@asu.edu
480-965-3424

## Computer Science, MCS (ESCOMSCMCS)

**Online Degree Search Title:** Computer Science, MCS
**Campus:** Tempe, Online

**Program Description:** The MCS program affords an opportunity for students employed in industry to seek a breadth of advanced education in computer science.

The program reflects the dual nature of computer science as a scientific and engineering discipline by allowing emphasis on theory as well as practical applications. Students can study topics such as:

- artificial intelligence
- big data and data mining
- cloud and distributed computing
- computer system security, cybersecurity and cryptography
- cyber-physical system and IoT
- imaging, graphics and visualization
- machine learning
- operating systems
- theory and algorithms
- simulation modeling and systems

Students build a project portfolio through the program to demonstrate the knowledge gained.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Software Engineering, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Electives (21 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Students choose 21 credit hours of elective coursework approved by their academic advisor. Coursework selected as part of the area core may not be used as elective coursework on the same plan of study.

At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses are allowed as elective coursework, which cannot include courses taken at the undergraduate level. Up to six credit hours of 400-level courses may be applied to the plan of study. All 30 credit hours must be from formal coursework. CSE 590 is not allowed as part of the MCS program plan of study.

All MCS program students must complete a project portfolio from two courses in which the student received a "B" (3.00) grade or higher.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores*
- statement of purpose or a curriculum vitae
- proof of English proficiency

*GRE scores are optional but strongly recommended for Tempe campus applicants.

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students can find more information on the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00= "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/computer-science-mcs/) for program descriptions and to request more information.

**Career Opportunities:** Graduates are able to analyze key theories, algorithms and software modules used in the field of computer science.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI or computer vision engineer
- software engineer
- software developer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/

SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science, MS (ESCOMSCMS)

**Online Degree Search Title:** Computer Science, MS
**Campus:** Tempe

**Program Description:** The MS program in computer science prepares students to undertake fundamental and applied research in computing.

The program welcomes motivated and dedicated students to work with world-class faculty on projects across the filed of computing and augmented intelligence. Students may opt for a thesis or nonthesis option as their culminating event. Students can study topics such as:

- artificial intelligence, machine learning and statistical modeling
- big data and data mining
- computational biology
- computer design and architecture, including non-volatile memory computing

- computer system security, cybersecurity and cryptography
- cyber-physical systems, IoT and robotics
- distributed computing and consensus protocols
- networking and computer systems
- novel computing paradigms (e.g., biocomputing, quantum computation)
- social computing
- theory, algorithms and optimization
- visualization and graphics

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis.
Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Electives (15 or 21 credit hours)

Culminating Experience (0 or 6 credit hours)
CSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems. Courses selected as part of the core may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students in the thesis option take 15 credit hours of electives, and students in the portfolio option take 21 credit hours of electives. MS program students who select project portfolio as their culminating event must complete a project portfolio from two courses in which the student received a "B" grade (3.00 on a 4.00 scale) or higher. Students should see the academic unit for additional information and requirements.

For thesis students, nine of the 15 credit hours of electives must be courses in a chosen research area and approved by the student's academic advisor. Up to six credit hours can be independent study in CSE 590 Reading and Conference.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- scores for the GRE
- a statement of purpose

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

If the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU, GRE scores are not required.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Career Opportunities:** Students completing the Master of Science program in computer science are able to analyze key theories, algorithms and software modules used in the field of computer science. The program prepares them to pursue careers in research and education, including academia, government and industry.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI or computer vision engineer
- software engineer
- software developer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science, PHD (ESCOMSCPHD)

**Online Degree Search Title:** Computer Science, PhD
**Campus:** Tempe

**Program Description:** The PhD program in computer science prepares students to undertake fundamental and applied research in computer science, and it is available for those of high ability who seek to develop and implement their own research studies.

Students pursuing the doctorate in computer science learn to analyze, understand and apply key theories and algorithms used in the field and to generate and evaluate new theories, algorithms and software modules that can advance the field of computer science.

The program provides students with research opportunities in a wide variety of areas, including:

- artificial intelligence, machine learning and statistical modeling
- big data and data mining
- computational biology
- computer design and architecture, including nonvolatile memory computing
- computer system security, cybersecurity and cryptography
- cyber-physical systems and IoT, and robotics
- distributed computing and consensus protocols
- networking and computer systems
- novel computing paradigms (e.g., biocomputing, quantum computation)
- social computing
- theory, algorithms and optimization

- visualization and graphics

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core Areas (9 credit hours)
foundations (3)
systems (3)
applications (3)
Depth (3 credit hours)
three additional credit hours in one core area (3)

Research (18 credit hours)
CSE 792 Research (18)

Electives and Additional Research (42 credit hours)

Culminating Experience (12 credit hours)
CSE 799 Dissertation (12)

Additional Curriculum Information
Courses that are used to satisfy the core area requirement cannot be used to satisfy electives or other requirements. A grade of "B" or better is required for core courses.

Eighteen credit hours of CSE 792 Research is required and up to 36 credit hours are allowed on the plan of study. Students with research credit hours in excess of 18 add these credit hours to their electives and additional research.

Electives include:

- additional CSE 792 Research credit hours (up to 18 credit hours allowed beyond the required 18)
- computer science courses of which up to 18 credit hours of CSE 590 and CSE 790: Reading and Conference is allowed
- up to six credit hours of interdisciplinary electives in other academic units that are subject to program chair approval

When approved by the academic unit and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

A maximum of three credit hours of 400-level coursework may be applied to the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts from every university attended
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Submission of GRE scores is optional.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" or higher (scale is 4.00 = "A") within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming

CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Career Opportunities:** Graduates are prepared to pursue careers in research and education, including academia, government and industry.

Career examples include:

- computer science professor
- computer science researcher
- data scientist or engineer
- machine learning, AI or computer vision engineer
- machine learning, AI or computer vision scientist

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)

**Online Degree Search Title:** Computer Science (Art, Media and Engineering), MS
**Campus:** Tempe

**Program Description:** The MS program in computer science with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media.

Arts, media and engineering researchers produce experiential media systems and models that assist the disadvantaged, empower creativity, enhance scientific discovery, evolve human ability, facilitate learning and improve quality of life. Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration under the master's degree in computer science is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students specialize in transdisciplinary media development. More information about the arts, media and engineering concentration can be found on the School of Arts, Media and Engineering (https://artsmediaengineering.asu.edu/) website.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis.
Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
AME 511 Advanced Interactive Sound (3)
AME 515 Machine Vision and Pattern Recognition (3)

AME 520 Movement and Computing (3)
AME 532 Creating Interactive Media (3)
AME 535 Mobile Development (3)
AME 570 Programming for Social and Interactive Media (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)
AME 599 Thesis (2)
CSE 599 Thesis (4)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Students complete nine credit hours of arts, media and engineering concentration courses selected in consultation with the student's graduate advisor. Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

GRE scores are not required if the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.

The statement of purpose must address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. For further information on how this statement can be expanded upon by students interested in a research assistantship or an integrative graduate education and research traineeship within arts, media and engineering, students should visit the School of Arts, Media and Engineering website (https://artsmediaengineering.asu.edu/). Students should submit a curriculum vitae with the statement of purpose.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Career Opportunities:** This program can provide career opportunities in the following areas:

- artificial intelligence, machine learning and statistical modeling

- big data and data mining
- computational biology
- computer design and architecture, including non-volatile memory computing
- computer system security, cybersecurity and cryptography
- cyber-physical systems and IoT
- distributed computing and consensus protocols
- networking and computer systems
- novel computing paradigms (e.g., biocomputing, quantum computation)
- social computing
- theory and algorithms
- visualization and graphics

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)

**Online Degree Search Title:** Computer Science (Art, Media and Engineering), PhD
**Campus:** Tempe

**Program Description:** The PhD program in computer science with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media. Arts, media and engineering researchers produce experiential media systems and models that assist the disadvantaged, empower creativity, enhance scientific discovery, evolve human ability, facilitate learning and improve quality of life. Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The program's purpose is to train hybrid engineering-arts students who get their inspiration from the arts and their methodology from computer science and engineering. Students specialize in transdisciplinary media development. More information about arts, media and engineering can be found on the school's website (https://artsmediaengineering.asu.edu/).

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core Areas (9 credit hours)
foundations (3)
systems (3)
applications (3)

Depth (3 credit hours)
three additional credit hours in one core area (3)

Concentration (9 credit hours)
Select three courses from the following list:
AME 511 Advanced Interactive Sound (3)
AME 515 Machine Vision and Pattern Recognition (3)
AME 520 Movement and Computing (3)
AME 532 Creating Interactive Media (3)
AME 535 Mobile Development (3)
AME 570 Programming for Social and Interactive Media (3)

Research (18 credit hours)
AME 792 Research (6)
CSE 792 Research (12)

Electives (33 credit hours)

Culminating Experience (12 credit hours)
AME 799 Dissertation (6) and
CSE 799 Dissertation (6)

Additional Curriculum Information

Courses that are used to satisfy the core area requirement cannot be used to satisfy electives or other requirements. A grade of "B" or better is required for core courses.

12 credit hours of CSE 792 Research and six credit hours of AME 792 are required and up to 33 credit hours are allowed on the plan of study. Students with research credit hours in excess of 18 add these credit hours to their electives and additional research.

Electives include:

- additional CSE 792 Research credit hours (up to 15 credit hours allowed beyond the required 18)
- computer science courses of which up to 18 credit hours of CSE 590 and CSE 790 Reading and Conference is allowed

When approved by the academic unit and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

A maximum of three credit hours of 400-level coursework may be applied to the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A" in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

The statement of purpose must fulfill any requirements defined by the Graduate College and also address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. Further information on how this statement can be expanded upon by students interested in a research assistantship or an Integrative Graduate Education and Research Traineeship within arts, media and engineering is available from the department. Students should submit a current curriculum vitae with the statement of purpose.

GRE scores are optional.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Career Opportunities:** Graduates who receive the doctorate in computer science with the arts, media and engineering concentration are able to analyze, understand and apply key theories and algorithms used in the field of computer science. They are also able to generate and evaluate new theories, algorithms and software modules that can advance the field of computer science.

Career examples include:

- arts, media and engineering professor
- arts, media and engineering researcher

- computer science professor
- computer science researcher
- data scientist or engineer
- machine learning, AI or computer vision engineer
- machine learning, AI or computer vision scientist

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science (Big Data Systems), MCS (ESCSEBDMCS)

**Online Degree Search Title:** Computer Science (Big Data Systems), MCS
**Campus:** Tempe, Online

**Program Description:** This concentration under the MCS degree program is designed for graduate students who want to pursue a thorough education in the area of big data systems.

Students acquire the knowledge, skills and expertise in designing scalable systems (parallel, distributed and real time) that acquire, store, process and access large-scale heterogeneous multisource data, and they learn to use analytical tools to mine information from the data

Graduates are able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Software Engineering, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
CSE 511 Data Processing at Scale (3)
CSE 575 Statistical Machine Learning (3)
CSE 578 Data Visualization (3)

Restricted Electives (6 credit hours)

Electives (6 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for electives and each core area in applications, foundations and systems.

Coursework selected as part of the area core may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses may be allowed as elective coursework, which cannot include courses taken at the undergraduate level. All 30 credit hours must be from formal coursework (including CSE 591). CSE 590 is not allowed as part of the Master of Computer Science program plan of study.

All Master of Computer Science program students must complete a project portfolio based on two courses in which the student received a "B" grade (scale is 4.00 = "A") or higher.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores (optional, but strongly recommended)
- statement of purpose OR curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00= "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-big-data/) for program descriptions and to request more information.

**Career Opportunities:** Graduates who complete the Master in Computer Science program are able to analyze key theories, algorithms and software modules used in the field of computer science.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI computer vision engineer
- software engineer
- software developer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science (Big Data Systems), MS (ESCSEBDMS)

**Online Degree Search Title:** Computer Science (Big Data Systems), MS
**Campus:** Tempe

**Program Description:** The big data systems concentration under the MS degree program in computer science is designed for graduate students who want to pursue a thorough education in the area of big data systems. The program has a thesis and nonthesis project portfolio option.

This concentration provides students with the knowledge, skills and advanced research expertise in designing scalable systems (parallel, distributed and real-time) for acquiring, storing, processing and accessing large-scale heterogeneous multisource data and in using analytical tools to mine information from the data.

Graduates are able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis.
Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
CSE 510 Database Management System Implementation (3)
CSE 512 Distributed Database Systems (3)
CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

Restricted Electives (6 credit hours)
CSE 515 Multimedia and Web Databases (3)
CSE 546 Cloud Computing (3)
CSE 573 Semantic Web Mining (3)
CSE 575 Statistical Machine Learning (3)
CSE 578 Data Visualization (3)

Electives (0 or 6 credit hours)

Culminating Experience (0 or 6 credit hours)
CSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Regardless of culminating experience chosen, all students in the program must complete six credit hours from the restricted electives list. Students in the portfolio culminating experience option must also take six credit hours of electives.

Portfolio: The project portfolio is developed from two courses in which the student received a "B" grade (3.00) or higher and should have significant content in big data systems. Students should see the academic unit for additional information and requirements.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- official GRE test scores
- statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. Official TOEFL scores should be submitted from tests that must have been taken within the last two years (only required for those who did not graduate with a baccalaureate degree from an accredited U.S. institution). The TOEFL score must be valid on the first day of class for the term the student is applying for. The department requires that TOEFL iBT scores must be above 90, or that the minimum IELTS is an overall band score of 7.0.

International students must have taken the official GRE General Test within the past five years and submit those test scores.

All international records must be submitted in the original language accompanied by an official English translation. If the student has attended a U.S. institution, one set of official transcripts from every college and university attended, except ASU, is required.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

**Career Opportunities:** Graduates are able to analyze and apply key theories, algorithms and software modules used in the field of computer science.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI computer vision engineer
- software engineer
- software developer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science (Biomedical Informatics), MS (ESCSBIOIMS)

**Online Degree Search Title:** Computer Science (Biomedical Informatics), MS
**Campus:** Tempe

**Program Description:** The MS program in computer science with a concentration in biomedical informatics is designed for graduate students who wish to perform research in such topics as genomics and computational systems biology.

The concentration is transdisciplinary in nature, providing preparation that integrates technological expertise in the information sciences, computer science, biosciences and statistics with an understanding of the clinical environment of the health care professional. The curriculum exposes computer science students to current issues in clinical practice as well as the use of information systems in health care settings.

Biomedical informatics has a key role to play in the transition to more effective and efficient health care through the use of knowledge and computer science principles.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis.
Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
BMI 502 Foundations of Biomedical Informatics Methods I (3)
BMI 601 Fundamentals of Health Informatics (3)
Select one course from the following:
BMI 505 Foundations of Biomedical Informatics Methods II (3)
BMI/CSE 507 Introduction to Digital Image Processing and Analysis (3)
BMI 517 Advanced Biostatistics for Biomedical Research and Health Care (3)
BMI 550 Translational Bioinformatics (3)
BMI 598 Topic: Knowledge Management and Engineering (3)
BMI 615 Human Factors Engineering for Biomedical Applications (3)
BMI 616 Clinical Decision Support and Evidence-Based Medicine (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)
CSE 599 Thesis (6)

Additional Curriculum Information
Students focus their research in one of the following areas: bioinformatics, biomedical informatics, clinical informatics, imaging informatics or public health informatics.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study. Students complete a minimum of 30 credit hours for the program. At least 21 of these credit hours must be 500-level CSE courses at ASU.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency via a TOEFL score regardless of their current residency.

The student must submit verbal, quantitative and analytical GRE scores (optional: subject test in computer science) unless the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Career Opportunities:** Graduates of the Master of Science in computer science with a concentration in biomedical informatics are able to analyze and apply key theories, algorithms and software modules used in the field of computer science.

Career examples include:

- computer network architect
- computer system analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI computer vision engineer
- software developer
- software engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science (Cybersecurity), MCS (ESCSEIMCS)

**Online Degree Search Title:** Computer Science (Cybersecurity), MCS
**Campus:** Tempe, Online

**Program Description:** The MCS with a concentration in cybersecurity is an advanced degree program designed for graduate students who want to pursue a thorough education in the area of cybersecurity and information assurance; students with an undergraduate education in computing and related disciplines; and students employed in industry who can best profit from further breadth and background in computer science and information assurance.

This concentration program provides students with the knowledge and skills in science and engineering pertaining to cybersecurity, including computer and network security, software security, data and information security, applied cryptography and computer forensics.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Cybersecurity courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012).

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Software Engineering, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
CSE 543 Information Assurance and Security (3)
Choose two:
CSE 539 Applied Cryptography (3)
CSE 545 Software Security (3)
CSE 548 Advanced Computer Network Security (3)

Electives (12 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Coursework selected as part of the area core may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total credit hours of their plan of study are equal to 30.

The concentration coursework cannot be used as part of the area core on the same plan of study. Students must complete concentration course requirements as listed and complete different coursework for each of the core areas in applications, foundations and systems.

The interactive plan of study must contain a minimum of 30 credit hours of approved graduate-level work. At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses may be allowed as elective coursework, which cannot include courses taken at the undergraduate level. All 30 credit hours must be from formal coursework (including CSE 591). CSE 590 will not be allowed as part of the MCS program.

All Master of Computer Science students must complete a project portfolio from two courses in which the student received a "B" grade (3.00) or higher.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose OR curriculum vitae

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

GRE scores are optional, but they are strongly recommended.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/computer-science-cybersecurity-mcs/) for program descriptions and to request more information.

**Career Opportunities:** Students completing the Master in Computer Science program are able to analyze key theories, algorithms and software modules used in the field of computer science. Graduates have a competitive advantage in securing employment.

Career examples include:

- computer network architect
- computer system security analyst
- computer systems engineer
- data scientist or engineer
- machine learning, AI or computer vision engineer
- software developer
- software engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/

SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science (Cybersecurity), MS (ESCSEIAMS)

**Online Degree Search Title:** Computer Science (Cybersecurity), MS
**Campus:** Tempe

**Program Description:** The MS program in computer science with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of cybersecurity and information assurance. This program offers a thesis and nonthesis project portfolio option.

This concentration program provides students with the knowledge and skills needed in science and engineering for cybersecurity. This includes computer and network security, software security, data and information security, applied cryptography and computer forensics.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Cybersecurity courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012).

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus

master's degree with::

Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis.
Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
CSE 543 Information Assurance and Security (3)
Choose two:
CSE 539 Applied Cryptography (3)
CSE 545 Software Security (3)
CSE 548 Advanced Computer Network Security (3)

Electives or Research (6 or 12 credit hours)

Culminating Experience (0 or 6 credit hours)
CSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students completing a portfolio take 12 credit hours of electives and must follow the academic unit's requirements for portfolio projects. Research credit hours may be included on the plan of study if the student is completing a thesis. Students should see the academic unit for more information.

Students complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

Students must complete 15 credit hours of approved information assurance coursework. Students should see the School of Computing and Augmented Intelligence website for more information.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply for the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- scores for the GRE
- a statement of purpose
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

GRE scores are not required if the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Career Opportunities:** Graduates who complete the Master of Science program in computer science are able to analyze and apply key theories, algorithms and software modules used in the field of computer science. They are also able to evaluate and advance existing theories, algorithms and software modules in the field of computer science. Graduates have a competitive advantage to secure employment.

Career examples include:

- computer network architect
- computer system analyst
- computer systems security engineer
- data scientist or engineer
- machine learning, AI or computer vision engineer
- software developer
- software engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Computer Science (Cybersecurity), PHD (ESCSEIAPHD)

**Online Degree Search Title:** Computer Science (Cybersecurity), PhD
**Campus:** Tempe

**Program Description:** The PhD program in computer science with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of cybersecurity and information assurance.

The goal of this concentration is to provide students the knowledge and skills in science and engineering for cybersecurity, including applied cryptography, computer and network security, computer forensics, data and information security and software security.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012).

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core Areas (9 credit hours)
foundations (3)
systems (3)
applications (3)

Concentration (9 credit hours)
CSE 543 Information Assurance and Security (3)
Choose two:
CSE 539 Applied Cryptography (3)
CSE 545 Software Security (3)
CSE 548 Advanced Computer Network Security (3)

Research (18 credit hours)
CSE 792 Research (18)

Electives and Additional Research (36 credit hours)

Culminating Experience (12 credit hours)
CSE 799 Dissertation (12)

Additional Curriculum Information
Courses that are used to satisfy the core area requirement cannot be used to satisfy electives or other requirements. A grade of B or better is required for core courses.

18 credit hours of CSE 792 Research is required and up to 36 credit hours are allowed on the plan of study. Students with research credit hours in excess of 18 add these credit hours to their electives and additional research.

Electives include:

- additional CSE 792 Research credit hours (up to 18 credit hours allowed beyond the required 18)
- computer science courses of which up to 18 credit hours of CSE 590 and CSE 790: Reading and Conference is allowed
- up to six credit hours of interdisciplinary electives in other academic units that are subject to program chair approval

When approved by the academic unit and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

A maximum of three credit hours of 400-level coursework may be applied on the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts from every university attended
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

GRE scores are optional.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages or CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

**Career Opportunities:** Graduates with a doctorate in computer science are able to analyze, understand and apply key theories and algorithms used in the field of computer science. They are also able to generate and evaluate new theories, algorithms and software modules that can advance the field of computer science. Graduates have a competitive advantage when it comes to securing employment.

Career examples include:

- computer science security professor
- computer science researcher
- data scientist engineer
- machine learning, AI or computer vision engineer
- machine learning, AI or computer vision scientist

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-computer-science/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Construction Engineering, MSE (ESCONEMSE)

**Online Degree Search Title:** Construction Engineering, MSE
**Campus:** Tempe

**Program Description:** The MSE in construction engineering is a transdisciplinary degree program that encompasses the areas of geotechnical engineering, structural engineering, transportation engineering, construction engineering and management-related topics.

This focus on a combination of design and management prepares the student for a career at the interface of design and construction. Students who are interested in a career emphasizing construction of infrastructure find this program especially desirable.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Civil Engineering, BSE
Civil Engineering (Sustainable Engineering), BSE
Construction Engineering, BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a written comprehensive exam.
All candidates for the Master of Science in Engineering are required to complete approved graduate coursework.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained on the graduate studies section of the program's website.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to to apply to the program if they have earned a bachelor's or master's degree in engineering or other closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts

- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must take the GRE and have their scores sent to Graduate Admission Services. Prospective students should note that the following two requirements need to be met for consideration for admission: minimum score in the quantitative section is 700 and a minimum combined quantitative and verbal score is 1100. More information regarding how to send official GRE scores to Graduate Admission Services can be found at the admissions website (https://admission.asu.edu/graduate/apply).

A student whose undergraduate degree is not in civil or construction engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained on the graduate studies section of the program's website.

Applicants with an undergraduate GPA lower than 3.00 may be provisionally admitted at the discretion of the admission committee.

**Career Opportunities:** The construction engineering graduate, with a strong background in design and management, is prepared to begin a career in the engineering and construction industry as a field engineer, project engineer or project designer working for:

- construction companies
- design firms
- facility owners
- materials suppliers
- specialty subcontractors

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Construction Engineering
https://ssebe.engineering.asu.edu/graduate/construction-eng/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Construction Management, PHD (ESCONPHD)

**Online Degree Search Title:** Construction Management, PhD
**Campus:** Tempe

**Program Description:** The Del E. Webb School of Construction has one of the top construction management doctoral programs in the United States. It provides a rigorous education and teaching environment for students seeking an advanced degree.

The PhD program in construction management requires novel, independent research that broadly contributes to the construction management body of knowledge; transdisciplinary research is often required due to the nature of the topics studied. Students can focus their elective coursework in emphasis areas such as heavy construction, commercial and residential, and specialty construction.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
The doctoral program in construction typically requires three to four years of full-time study and research beyond the master's degree. Generally, students are admitted into the doctoral program at or near the completion of their master's degree.

The program requires 84 credit hours post-bachelor's degree or 54 credit hours post-master's degree.

The program consists of:
- core construction courses
- elective courses
- a qualifying examination
- a written and oral comprehensive examination
- admission to candidacy

- successful defense of a dissertation prospectus and complete dissertation

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Students who hold a master's degree in a related field from a regionally accredited university or equivalent are eligible to apply for admission to the program. Only exceptional students are admitted without a master's degree. Related fields include construction, civil engineering, architecture and business. At the discretion of the admission committee, students from other disciplines may be eligible as well. In addition, applicants are expected to be competent in construction topics.

Applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- official GRE scores
- a current resume
- an evaluation of the student's academic and professional background
- masters' degree thesis abstract
- personal statement
- research interests
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

Applicants must take the GRE and have their official scores sent directly to Graduate Admission Services. More information regarding how to send official GRE scores can be found on the Graduate Admission Services website.

The personal statement should describe the applicant's career goals and research objectives.

**Career Opportunities:** Graduates of the Del E. Webb School of Construction's doctoral program have careers in architecture; engineering and construction industries; academia; and local, state and federal government. The program provides a foundation for those who wish to pursue careers as project managers, project engineers, estimators or schedulers and eventually become principals of firms engaged in the construction of industrial, commercial or residential projects.

The heavy construction emphasis area is preparation for careers related to public works such as highways, airports, bridges, utility systems, and water or waste treatment facilities.

The commercial and residential emphasis areas is preparation for careers in real estate development, home production systems, commercial construction, health care and special industrial building projects, and for entrance into the sustainable or green construction market.

The specialty construction emphasis is preparation for organization, leadership and management of the building process at the subcontractor level and for careers as contractors working with mechanical and electrical systems. It also is preparation for careers in management at specialty contracting firms, such as control systems, electrical distribution or heating, ventilation and air conditioning systems for large and complex facilities such as data centers, health care organizations and semiconductor manufacturing plants as well as commercial facilities.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
https://ssebe.engineering.asu.edu/graduate/construction-mgmt/
ECG 437
sebe.advising@asu.edu
480-965-0595

## Construction Management and Technology, MS (ESCONSTMS)

**Online Degree Search Title:** Construction Management and Technology, MS
**Campus:** Tempe, Online

**Program Description:** The transdisciplinary MS program in construction management and technology allows students with a bachelor's degree in construction or a related field such as architecture, business or engineering to broaden and improve their professional capabilities in construction.

This meets the growing need for professionals with advanced technical, management and applied research skills in the construction industry.

The program allows a candidate's plan of study to reflect individual interests and career goals. Courses are offered in several areas, allowing a student to tailor their degree to their interests:

- construction management --- project, program and company
- commercial and residential areas
- facilities management --- maintenance, operation, renovation or decommissioning of existing facilities
- heavy construction --- infrastructure development
- specialty construction

This program is facilitated by the faculty of the Del E. Webb School of Construction.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Construction Management and Technology, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (CON 593).
Required Core (6 credit hours)

Project Management and Controls Core Area (3 credit hours)
CON 502 Front-End Planning (3)
CON 530 Facilities Operations and Maintenance (3)
CON 532 Facilities Project Management (3)
CON 534 Retrofit Construction (3)
CON 540 Construction Productivity (3)
CON 541 Public Works Capital Construction (3)
CON 545 Construction Project Management (3)
CON 548 Sustainable Construction (3)
CON 551 Alternative Project Delivery Methods (3)
CON 557 Principles of Leadership for Project Managers (3)
CON 567 Advanced Procurement Systems (3)
CON 589 Construction Company Financial Control (3)

Construction Technology Core Area (3 credit hours)
CON 508 Engineering and Construction Failures (3)
CON 509 Advanced Concrete Materials (3)
CON 510 Sustainable Bio-Based Construction (3)
CON 531 Facility Management: Building Energy Management (3)
CON 554 Trenchless Construction Methods (3)
CON 570 Introduction to Advanced Technology Facilities (3)
CON 571 Construction of Advanced Technology Facilities (3)
CON 575 Information Technology in Construction (3)

Electives or Research (18-24 credit hours)

Culminating Experience (0-6 credit hours)
CON 593 Applied Project (3)
CON 599 Thesis (6)
written comprehensive exam (0)

Additional Curriculum Information
Students chose one three-credit hour course from each of the core areas listed above for a total of six credit hours. If a course is chosen as a core area course, it cannot be used as an elective course simultaneously.

The number of electives and research is adjusted depending on the culminating experience chosen by the student.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- an evaluation of the student's academic and professional background
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency by meeting the Graduate College English proficiency requirements regardless of their current residency.

Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English, and a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

Applicants are expected to be competent in basic construction topics.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-construction-management/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the construction management and technology program are well prepared for numerous types of careers, depending upon which subject area they focused their coursework:

construction management --- project managers, project engineers, estimators or schedulers who can eventually become principals of firms engaged in the construction of industrial, commercial or residential projects

commercial and residential --- real estate developers, commercial construction managers, managers and supervisors of health care and special industrial building projects or home production systems, and managers or supervisors of sustainable or green construction

facilities management --- managers who supervise the maintenance, operation, renovation or decommissioning of existing facilities

heavy construction --- supervisors of the construction and maintenance of public works such as highways, airports, bridges, utility systems and water or waste treatment facilities

specialty construction --- organizers, leaders and managers of the building process at the subcontractor or contractor level working with mechanical and electrical systems, and in management at specialty contracting firms, such as those who do work in control systems, electrical distribution or HVAC systems for large and complex facilities such as data centers, health care organizations and semiconductor manufacturing plants as well as commercial facilities

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
https://ssebe.engineering.asu.edu/graduate/construction-mgmt/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Data Science, Analytics and Engineering, MS (ESDSEMS)

**Online Degree Search Title:** Data Science, Analytics and Engineering, MS
**Campus:**
ASU is not currently accepting applications for this program. Applicants interested in the MS program in data science, analytics and engineering should apply directly to one of the concentrations: computing and decision analytics (https://degrees.apps.asu.edu/masters-phd/major/ASU00/ESDSECDAMS/data-science-analytics-and-engineering-computing-and-decision-analytics-ms), electrical engineering (https://degrees.apps.asu.edu/masters-phd/major/ASU00/ESDSEEEMS/data-science-analytics-and-engineering-electrical-engineering-ms),

materials science and engineering (https://degrees.apps.asu.edu/masters-phd/major/ASU00/ESDSEMSEMS/data-science-analytics-and-engineering-materials-science-and-engineering-ms), or sustainable engineering and built environment (https://degrees.apps.asu.edu/masters-phd/major/ASU00/ESDSESEBMS/data-science-analytics-and-engineering-sustainable-engineering-and-built-environment-ms).
**Program Description:** Data scientists are consistently ranked among the top jobs in the USA, and there is an increasing need for all engineers to make use of data science tools like statistics, machine learning, artificial neural networks, artificial intelligence and data mining. Yet, the majority of engineering occupations require subject matter expertise beyond data science.

The MS program in data science, analytics and engineering enables students to receive an advanced education in high-demand data science and an engineering field in an integrated program. A core curriculum in probability and statistics, machine learning, and data engineering is complemented by concentration-specific courses to ensure breadth and depth in data science and a core engineering discipline.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (FSE 570).
Required Core (9 credit hours)
STP 502 Theory of Statistics II: Inference (3) or EEE 554 Probability and Random Processes (3)
CSE 511 Data Processing at Scale (3), CSE 512 Distributed Database Systems (3) or IFT 530 Advanced Database Management Systems (3)

Choose one from the following:
CSE 572 Data Mining (3)
CSE 575 Statistical Machine Learning (3)
EEE 549 Statistical Machine Learning: From Theory to Practice (3)
IEE 520 Statistical Learning for Data Mining (3)
IFT 511 Analyzing Big Data (3)
IFT 512 Advanced Big Data Analytics/AI (3)
MAE 551 Applied Machine Learning for Mechanical Engineers (3)
STP 550 Statistical Machine Learning (3)

Elective (15 or 18 credit hours)

Culminating Experience (3 or 6 credit hours)
FSE 570 Data Science Capstone (3)
CSE, IEE or SER 599 Thesis (6)

Additional Curriculum Information
Students should consult the academic unit for a list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computing, engineering, mathematics, statistics, operations research, information technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- professional resume
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 90 on the TOEFL iBT, 7 on the IELTS, or 115 on the Duolingo English test regardless of their current residency.

All applicants must demonstrate relevant coursework or experience in the following three areas:

- undergraduate statistics or probability (e.g., IEE 380 Probability and Statistics for Engineering Problem Solving, STP 420 Introductory Applied Statistics, STP 421 Probability, EEE 350 Random Signal Analysis)
- undergraduate linear algebra (e.g., MAT 242 Elementary Linear Algebra)
- familiarity with Matlab, Python, SQL, R, or other relevant programming skills (in the professional resume)

In addition, applicants without an undergraduate degree in computer science, computer engineering, software engineering, information technology,

industrial engineering, operations research, statistics or a related computing field must show evidence (in the professional resume) of at least one of the following certifications or equivalent experience:

- AWS certified cloud practitioner
- Google IT support certificate
- Google data analytics certificate

Applicants who have obtained a bachelor's degree from an ABET-accredited program at a U.S.-based college or university are not required to take the GRE.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Apply technical tools including emerging concepts in machine learning and data science to the analysis of large heterogeneous data sets.
•Create solutions to real engineering problems.
•Apply concepts in machine learning and data science to applications in their selected concentration.

**Career Opportunities:** Engineers with a background in data science can pursue opportunities in a variety of fields to manage and analyze data and extract knowledge from large data sets for decision making, including in the following industries:

- consulting
- data and analytics management
- data engineering
- information systems
- manufacturing

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-data-science-analytics-and-engineering/
CTRPT 105
scai.grad.admission@asu.edu
480-965-3199

## Data Science, Analytics and Engineering, PHD (ESDSEPHD)

**Online Degree Search Title:** Data Science, Analytics and Engineering, PhD
**Campus:** Tempe

**Program Description:** The PhD program in data science, analytics and engineering engages students in fundamental and applied research.

The program's educational objective is to develop each student's ability to perform original research in the development and execution of data-driven methods for solving major societal problems. This includes the ability to identify research needs, adapt existing methods and create new methods as needed. This is accomplished through a rigorous education with research and educational experiences.

Students complete a foundational core covering database management, information assurance, statistical learning and statistical theory before choosing to focus on data analytics or data engineering. The program culminates in the production of a dissertation.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (12 credit hours)
CSE 511 Data Processing at Scale (3)
CSE 543 Information Assurance and Security (3)
CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)
IEE 670 Mathematical Statistics (3) or STP 502 Theory of Statistics II: Inference (3)

Electives (39 credit hours)

Research (12 credit hours)
DSE 792 Research (12)

Other Requirements (9 credit hours)
data engineering coursework or
data analytics coursework

Culminating Experience (12 credit hours)
DSE 799 Dissertation (12)

Additional Curriculum Information
All students must take qualifying exams covering the required core courses within one year of matriculation into the program.

The dissertation prospectus should be submitted and its oral defense completed no later than one year following completion of the 60th credit hour and also no later than the fourth year in the program.

Students must select coursework from either the data engineering or the data analytics requirements. Students should see the academic unit for the approved course list.

Students cannot take a data engineering or data analytics course and have it meet an elective requirement at the same time. Students need to take a different elective course to reach the number of credit hours required for the program. Other coursework may be used with approval of the academic unit to fulfil these requirements.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework are to be made up of electives to reach the required 84 credit hours.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, computer science, mathematics, statistics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- letter of intent or written statement
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B"; (scale is 4.00 = "A") or higher within two semesters of admission to the program. Deficiency courses do not apply to the total credit hours required to complete the degree program.

Deficiency courses are:
CSE 205 Object-Oriented Programming and Data Structures
IEE 380 Probability and Statistics for Engineering Problem Solving
MAT 242 Elementary Linear Algebra OR MAT 342 Linear Algebra OR MAT 343 Applied Linear Algebra
MAT 267 Calculus for Engineers III

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply the tools and methods from industrial statistics, operations research, machine learning, computer science and computer engineering on solving data analytic problems.
- •Manage large, heterogeneous data sets for knowledge discovery.
- •Conduct research resulting in an original contribution to knowledge in data sciences.

**Career Opportunities:** Graduates demonstrate proficiency with existing methodology and significant accomplishment at advancing the state of the art in their chosen area, enabling them to pursue careers in advanced research, teaching, business, industry and government.

**Contact Information:**

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-data-science-analytics-and-engineering/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Data Science, Analytics and Engineering (Bayesian Machine Learning), MS (ESDSEBMLMS)

**Online Degree Search Title:** Data Science, Analytics and Engineering (Bayesian Machine Learning), MS
**Campus:** Tempe

**Program Description:** This concentration in Bayesian machine learning within the MS program in data science, analytics and engineering is offered in partnership with the School of Mathematical and Statistical Sciences. With its programs in statistics, applied mathematics and theoretical mathematics, SoMSS is uniquely positioned to enable students to understand the statistical, probability and mathematical bases for the technical tools and emerging concepts in statistical and probabilistic machine learning and data science, and to support students' ability to collect, maintain, analyze, model and decide based on heterogeneous, time-dependent, noisy, biased, hierarchical and potentially large data sets. Bayesian thinking is particularly suited to addressing the difficult issues associated with these high dimension complex modeling challenges. Bayesian learning, decision-making, and computation have made a significant impact on many areas of data science. Hierarchical modeling, time series analysis, ensemble modeling, spatial modeling, and causal modeling are among the various areas of expertise covered by this program. Students will be able to apply these tools in a variety of domains such as engineering, physics, biology, social sciences, economics, and finance.

Students in this program perform Bayesian data analysis, modeling, remodeling, and decision making in data-enriched environments. This includes the exploratory analysis of massive and complex data-streams, Bayesian modeling and computing, data management, causal modeling and inference and decision under uncertainty using Bayesian trees, neural networks and text modeling popular in industry and academia.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (FSE 570).
Required Core (9 credit hours)
STP 502 Theory of Statistics II: Inference (3) or EEE 554 Probability and Random Processes (3)
CSE 511 Data Processing at Scale (3), CSE 512 Distributed Database Systems (3) or IFT 530 Advanced Database Management Systems (3)

Choose one from the following:
CSE 572 Data Mining (3)
CSE 575 Statistical Machine Learning (3)
EEE 549 Statistical Machine Learning: From Theory to Practice (3)
IEE 520 Statistical Learning for Data Mining (3)
IFT 511 Analyzing Big Data (3)
IFT 512 Advanced Big Data Analytics/AI (3)
MAE 551 Applied Machine Learning for Mechanical Engineers (3)
STP 550 Statistical Machine Learning (3)

Concentration (9 credit hours)
STP 505 Bayesian Statistics (3)
STP 540 Computational Statistics (3)
STP 551 Time Series Analysis (3)

Electives (6 or 9 credit hours)

Culminating Experience (3 or 6 credit hours)
FSE 570 Data Science Capstone (3)
STP 599 Thesis (6)

Additional Curriculum Information
Students should consult the academic unit for a list of approved electives and concentration course requirements.

Courses selected for required core or concentration may not be used as elective coursework on the same plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computing, engineering, mathematics, statistics, operations research, information technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 90 on the TOEFL iBT (taken in a testing center), 7 on the IELTS or 115 on the Duolingo English test.

All applicants must demonstrate relevant coursework or experience in the following three areas:

- undergraduate statistics or probability (e.g., IEE 380 Probability and Statistics for Engineering Problem Solving, STP 420 Introductory Applied Statistics, STP 421 Probability, EEE 350 Random Signal Analysis)
- undergraduate linear algebra (e.g., MAT 343 Applied Linear Algebra)
- familiarity with Matlab, Python, SQL, R, or other relevant programming skills (in the professional resume)

In addition, applicants without an undergraduate degree in computer science, computer engineering, software engineering, information technology, industrial engineering, operations research, statistics or a related computing field must show evidence (in the professional resume) of at least one of the following certifications or equivalent experience:

- AWS certified cloud practitioner
- Google IT support certificate
- Google data analytics certificate

In addition, this concentration requires completion of a 3 credit course in linear algebra (equivalent to MAT 343 at ASU), which supersedes the second requirement above.

**Career Opportunities:** Statisticians and data scientists are consistently ranked among the top jobs in the USA. Applied Statisticians with a strong background in Bayesian learning and decision can pursue opportunities in a variety of fields to collect and curate large and complex data related to business plans, model and communicate findings, and support rational decision making. Industries who hire people with data science skills include financial markets, central banks, pharmaceutical, semiconductor, communications, energy and power systems industries, as well as institutions such as National Institute of Health, Center for Disease Control, and National Oceanic and Atmospheric Administration.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://dsae.engineering.asu.edu/
WXLR 213
grad.math@asu.edu
480-965-3951

## Data Science, Analytics and Engineering (Computational Models and Data), MS (ESDSECMDMS)

**Online Degree Search Title:** Data Science, Analytics and Engineering (Computational Models and Data), MS
**Campus:** Tempe

**Program Description:** Data scientists are consistently ranked among the top jobs in the USA, and there is an increasing need for applied mathematicians to make use of data science tools like statistics, machine learning, artificial neural networks and artificial intelligence. Beyond the application of these tools, the fast moving field of data science requires an understanding of the mathematical background of the algorithms behind these tools and the mathematical concepts that make these tools useful.

The MS program in data science, analytics and engineering with a concentration in computational models and data provides an advanced education in high-demand data science and computational mathematical modeling. A focus on computational skills in optimization, machine learning, stochastic processes and dynamical systems is enhanced by mathematical modeling in all application areas that use large scale data, including social sciences, astronomy, neuroscience, biosciences, engineering and epidemiology.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (FSE 570).
Required Core (9 credit hours)

STP 502 Theory of Statistics II: Inference (3) or EEE 554 Probability and Random Processes (3)
CSE 511 Data Processing at Scale (3), CSE 512 Distributed Database Systems (3) or IFT 530 Advanced Database Management Systems (3)
Choose one:
CSE 572 Data Mining (3)
CSE 575 Statistical Machine Learning (3)
EEE 549 Statistical Machine Learning: From Theory to Practice (3)
IEE 520 Statistical Learning for Data Mining (3)
IFT 511 Analyzing Big Data (3)
IFT 512 Advanced Big Data Analytics/AI (3)
MAE 551 Applied Machine Learning for Mechanical Engineers (3)
STP 550 Statistical Machine Learning (3)

Concentration (9 credit hours)
APM 505 Applied Linear Algebra (3)
STP 530 Applied Regression Analysis (3)
Choose one:
APM 523 Optimization (3)
EEE 589 Convex Optimization (3)
IEE 620 Optimization I (3)

Electives (6 or 9 credit hours)

Culminating Experience (3 or 6 credit hours)
FSE 570 Data Science Capstone (3) or MAT 599 Thesis (6)

Additional Curriculum Information
Students should consult the academic unit for a list of approved electives and concentration course requirements.

Courses selected for the required core or concentration may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computing, engineering, mathematics, statistics, operations research, information technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 90 on the TOEFL iBT, 7 on the IELTS or 115 on the Duolingo English test.

All applicants must demonstrate relevant coursework or experience in the following three areas:

- undergraduate statistics or probability (e.g., IEE 380 Probability and Statistics for Engineering Problem Solving, STP 420 Introductory Applied Statistics, STP 421 Probability, EEE 350 Random Signal Analysis)
- undergraduate upper-division linear algebra (e.g., MAT 343 Applied Linear Algebra)
- familiarity with Matlab, Python, SQL, R, or other relevant programming skills (in the professional resume)

In addition, applicants without an undergraduate degree in computer science, computer engineering, software engineering, information technology, industrial engineering, operations research, statistics or a related computing field must show evidence (in the professional resume) of at least one of the following certifications or equivalent experience:

- AWS certified cloud practitioner
- Google IT support certificate

- Google data analytics certificate

Applicants who have obtained a bachelor's degree from an ABET-accredited program at a U.S.-based college or university are not required to take the GRE.

**Career Opportunities:** Applied mathematicians with a background in data science can pursue opportunities in a variety of fields to model, analyze and control dynamical processes that generate large data sets, including in the following industries and government labs:

- Center for Disease Control
- energy and power systems industry
- National Institute of Health
- National Oceanic and Atmospheric Administration
- pharmaceutical, semiconductor and communications industries

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://dsae.engineering.asu.edu/
WXLR 213
grad.math@asu.edu
480-965-3951

## Data Science, Analytics and Engineering (Computing and Decision Analytics), MS (ESDSECDAMS)

**Online Degree Search Title:** Data Science, Analytics and Engineering (Computing and Decision Analytics), MS
**Campus:** Tempe

**Program Description:** Data scientists are consistently ranked among the top jobs in the USA, and there is an increasing need for all engineers to make use of data science tools like statistics, machine learning, artificial neural networks and artificial intelligence. Yet the majority of engineering occupations require subject matter expertise beyond data science.

This concentration in the MS program in data science, analytics and engineering provides an advanced education in high-demand data science and computing and industrial engineering. A focus on probability and statistics, machine learning, data mining and data engineering is complemented by computing and industrial engineering-specific courses to ensure breadth and depth in data science and computing and industrial engineering.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (FSE 570).
Required Core (9 credit hours)
STP 502 Theory of Statistics II: Inference (3) or EEE 554 Probability and Random Processes (3)
CSE 511 Data Processing at Scale (3), CSE 512 Distributed Database Systems (3) or IFT 530 Advanced Database Management Systems (3)

Choose one from the following:
CSE 572 Data Mining (3)
CSE 575 Statistical Machine Learning (3)
EEE 549 Statistical Machine Learning: From Theory to Practice (3)
IEE 520 Statistical Learning for Data Mining (3)
IFT 511 Analyzing Big Data (3)
IFT 512 Advanced Big Data Analytics/AI (3)
MAE 551 Applied Machine Learning for Mechanical Engineers (3)
STP 550 Statistical Machine Learning (3)

Concentration (12 credit hours)Complete one course for each of the following areas:Data Analysis (3)Optimization (3)Machine Learning (3)Data Assurance and Security (3)

Electives (3 or 6 credit hours)

Culminating Experience (3 or 6 credit hours)
CSE, IEE or SER 599 Thesis (6)
FSE 570 Data Science Capstone (3)

Additional Curriculum Information
Students should consult the academic unit for a list of approved electives and concentration course requirements.

Courses selected for Required Core or Concentration may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computing, engineering, mathematics, statistics, operations research, information technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 90 on the TOEFL iBT, 7 on the IELTS, or 115 on the Duolingo English test regardless of their current residency.

All applicants must demonstrate relevant coursework or experience in the following three areas:

- undergraduate statistics or probability (e.g., IEE 380 Probability and Statistics for Engineering Problem Solving, STP 420 Introductory Applied Statistics, STP 421 Probability, EEE 350 Random Signal Analysis)
- undergraduate linear algebra (e.g., MAT 242 Elementary Linear Algebra)
- familiarity with Matlab, Python, SQL, R, or other relevant programming skills (in the professional resume)

In addition, applicants without an undergraduate degree in computer science, computer engineering, software engineering, information technology, industrial engineering, operations research, statistics or a related computing field must show evidence (in the professional resume) of at least one of the following certifications or equivalent experience:

- AWS certified cloud practitioner
- Google IT support certificate
- Google data analytics certificate

Applicants who have obtained a bachelor's degree from an ABET-accredited program at a U.S.-based college or university are not required to take the GRE.

**Career Opportunities:** Computing and industrial engineers with a background in data science can pursue opportunities in a variety of fields to manage and analyze data, and extract knowledge from large data sets for decision making, including in the following industries:

- consulting
- data and analytics management
- data engineering
- information systems
- manufacturing

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/graduate-data-science-analytics-and-engineering/
CTRPT 105
scai.grad.admission@asu.edu
480-965-3199

## Data Science, Analytics and Engineering (Electrical Engineering), MS (ESDSEEEMS)

**Online Degree Search Title:** Data Science, Analytics and Engineering (Electrical Engineering), MS
**Campus:** Tempe

**Program Description:** Data scientists are consistently ranked among the top jobs in the USA, and there is an increasing need for all engineers to make use of data science tools like statistics, machine learning, artificial neural networks and artificial intelligence. Yet, the majority of engineering

occupations require subject matter expertise beyond data science.

The MS program in data science, analytics and engineering with a concentration in electrical engineering provides an advanced education in high-demand data science and electrical engineering. A focus on probability and statistics, machine learning, data mining and data engineering is complemented by electrical engineering-specific courses to ensure breadth and depth in data science and electrical engineering.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (FSE 570).
Required Core (9 credit hours)
STP 502 Theory of Statistics II: Inference (3) or EEE 554 Probability and Random Processes (3)
CSE 511 Data Processing at Scale (3), CSE 512 Distributed Database Systems (3) or IFT 530 Advanced Database Management Systems (3)

Choose one from the following:
CSE 572 Data Mining (3)
CSE 575 Statistical Machine Learning (3)
EEE 549 Statistical Machine Learning: From Theory to Practice (3)
IEE 520 Statistical Learning for Data Mining (3)
IFT 511 Analyzing Big Data (3)
IFT 512 Advanced Big Data Analytics/AI (3)
MAE 551 Applied Machine Learning for Mechanical Engineers (3)
STP 550 Statistical Machine Learning (3)

Concentration (9 credit hours)EEE 554 Probability and Random Processes (3)Choose one of the following:EEE 511 Artificial Neural Computation (3)EEE 551 Information Theory (3)EEE 560 Mathematical Foundations of Machine Learning (3)EEE 589 Convex Optimization (3)One additional course from an approved list

Electives (6 or 9 credit hours)

Culminating Experience (3 or 6 credit hours)
EEE 599 Thesis (6)
FSE 570 Data Science Capstone (3)

Additional Curriculum Information
Students should consult the academic unit for a list of approved electives and concentration course requirements.

Courses selected for Required Core or Concentration may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computing, engineering, mathematics, statistics, operations research, information technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 90 on the TOEFL iBT, 7 on the IELTS, or 115 on the Duolingo English test regardless of their current residency.

All applicants must demonstrate relevant coursework or experience in the following three areas:

- undergraduate statistics or probability (e.g., IEE 380 Probability and Statistics for Engineering Problem Solving, STP 420 Introductory Applied Statistics, STP 421 Probability, EEE 350 Random Signal Analysis)
- undergraduate linear algebra (e.g., MAT 242 Elementary Linear Algebra)
- familiarity with Matlab, Python, SQL, R, or other relevant programming skills (in the professional resume)

In addition, applicants without an undergraduate degree in computer science, computer engineering, software engineering, information technology, industrial engineering, operations research, statistics or a related computing field must show evidence (in the professional resume) of at least one of the following certifications or equivalent experience:

- AWS certified cloud practitioner
- Google IT support certificate
- Google data analytics certificate

Applicants who have obtained a bachelor's degree from an ABET-accredited program at a U.S.-based college or university are not required to take the GRE.

**Career Opportunities:** Electrical engineers with a background in data science can pursue opportunities in a variety of fields to manage, analyze and extract data from large data sets, including in the following industries:

- circuit design
- energy and power systems
- semiconductor fabrication
- signal processing
- telecommunications

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
AskEE@asu.edu
480-965-3424

## Data Science, Analytics and Engineering (Human Centered Applications), MS (ESDSEHCAMS)

**Online Degree Search Title:** Data Science, Analytics and Engineering (Human-Centered Applications), MS
**Campus:** Polytechnic

**Program Description:** There is an increasing need for all engineers to make use of data science tools like statistics, machine learning, artificial neural networks, and artificial intelligence. Yet the majority of engineering occupations require subject matter expertise beyond data science.

The MS program in data science, analytics and engineering with a concentration in human-centered applications provides students with advanced education in high-demand data science with an understanding of human systems. A focus on probability and statistics, machine learning, data mining and data engineering is complemented by courses focusing on human capabilities and understanding human bias to ensure increased breadth and depth in data science applications. Students learn how to address problems, such as biases in machine learning due to select input data, determining useful human feedback for interactive machine learning, ethical issues in machine learning applications, and the use of artificial intelligence to support human weaknesses without hindering human strengths. In interdisciplinary courses, students can work with colleagues to solve client-driven data science problems that address human needs and capabilities.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (FSE 570).
Required Core (9 credit hours)
STP 502 Theory of Statistics II: Inference (3) or EEE 554 Probability and Random Processes (3)
CSE 511 Data Processing at Scale (3), CSE 512 Distributed Database Systems (3) or IFT 530 Advanced Database Management Systems (3)

Choose one from the following:
CSE 572 Data Mining (3)
CSE 575 Statistical Machine Learning (3)
EEE 549 Statistical Machine Learning: From Theory to Practice (3)
IEE 520 Statistical Learning for Data Mining (3)
IFT 511 Analyzing Big Data (3)
IFT 512 Advanced Big Data Analytics/AI (3)
MAE 551 Applied Machine Learning for Mechanical Engineers (3)
STP 550 Statistical Machine Learning (3)

Concentration (9 credit hours)
HSE 520 Methods and Tools in Applied Cognitive Science (3)

HSE 530 Intermediate Statistics for Human Systems Engineering (3)
HSE 531 Data Analytics: Modeling Human Subjects Data (3)
HSE 542 Foundations of Human Systems Engineering (3)

Electives (6-9 credit hours)

Culminating Experience (3-6 credit hours)
FSE 570 Data Science Capstone (3)
HSE 599 Thesis (6)

Additional Curriculum Information
For Concentration coursework, students select three courses for a total of nine credit hours.

Courses selected for the Required Core or Concentration may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computing, engineering, mathematics, statistics, operations research, information technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 90 on the TOEFL iBT (taken in a testing center), 7 on the IELTS, or 115 on the Duolingo English test.

All applicants must demonstrate relevant coursework or experience in the following three areas:

- undergraduate statistics or probability (e.g., IEE 380 Probability and Statistics for Engineering Problem Solving, STP 420 Introductory Applied Statistics, STP 421 Probability, EEE 350 Random Signal Analysis)
- undergraduate linear algebra (e.g., MAT 242 Elementary Linear Algebra)
- familiarity with Matlab, Python, SQL, R, or other relevant programming skills (in the professional resume)

In addition, applicants without an undergraduate degree in computer science, computer engineering, software engineering, information technology, industrial engineering, operations research, statistics or a related computing field must show evidence (in the professional resume) of at least one of the following certifications or equivalent experience:

- AWS certified cloud practitioner
- Google IT support certificate
- Google data analytics certificate

Applicants who have obtained a bachelor's degree from an ABET-accredited program at a U.S.-based college or university are not required to take the GRE.

**Career Opportunities:** Data scientists are consistently among the top jobs in the USA. Human-centered engineers with a background in data science can pursue opportunities in a variety of industries to manage and analyze data and extract knowledge from large data sets for decision-making, including in the following fields:

- clinical data managers
- computer and information research scientists
- human factors engineers and ergonomists
- statisticians

**Contact Information:**

Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu
SUTON 201
polygrad@asu.edu
480-727-1874

## Data Science, Analytics and Engineering (Materials Science and Engineering), MS (ESDSEMSEMS)

**Online Degree Search Title:** Data Science, Analytics and Engineering (Materials Science and Engineering), MS
**Campus:** Tempe

**Program Description:** Data scientists are consistently ranked among the top jobs in the USA, and there is an increasing need for all engineers to make use of data science tools like statistics, machine learning, artificial neural networks and artificial intelligence. Yet the majority of engineering occupations require subject matter expertise beyond data science.

The MS program in data science, analytics and engineering with a concentration in materials science and engineering provides an advanced education in high-demand data science and materials science and engineering. A focus on probability and statistics, machine learning and data engineering is complemented by materials science and engineering-specific courses to ensure breadth and depth in data science and materials science and engineering.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (MSE 593).
Required Core (9 credit hours)
STP 502 Theory of Statistics II: Inference (3) or EEE 554 Probability and Random Processes (3)
CSE 511 Data Processing at Scale (3), CSE 512 Distributed Database Systems (3) or IFT 530 Advanced Database Management Systems (3)

Choose one from the following:
CSE 572 Data Mining (3)
CSE 575 Statistical Machine Learning (3)
EEE 549 Statistical Machine Learning: From Theory to Practice (3)
IEE 520 Statistical Learning for Data Mining (3)
IFT 511 Analyzing Big Data (3)
IFT 512 Advanced Big Data Analytics/AI (3)
MAE 551 Applied Machine Learning for Mechanical Engineers (3)
STP 550 Statistical Machine Learning (3)

Concentration (12 credit hours)

Electives (3 or 6 credit hours)

Culminating Experience (3 or 6 credit hours)
MSE 593 Applied Project (3)
MSE 599 Thesis (6)

Additional Curriculum Information
Students should consult the academic unit for a list of approved electives and concentration course requirements.

Courses selected for Required Core or Concentration may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computing, engineering, mathematics, statistics, operations research, information technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- written statement

- professional resume
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 90 on the TOEFL iBT, 7 on the IELTS, or 115 on the Duolingo English test regardless of their current residency.

All applicants must demonstrate relevant coursework or experience in the following three areas:

- undergraduate statistics or probability (e.g., IEE 380 Probability and Statistics for Engineering Problem Solving, STP 420 Introductory Applied Statistics, STP 421 Probability, EEE 350 Random Signal Analysis)
- undergraduate linear algebra (e.g., MAT 242 Elementary Linear Algebra)
- familiarity with Matlab, Python, SQL, R, or other relevant programming skills (in the professional resume)

In addition, applicants without an undergraduate degree in computer science, computer engineering, software engineering, information technology, industrial engineering, operations research, statistics or a related computing field must show evidence (in the professional resume) of at least one of the following certifications or equivalent experience:

- AWS certified cloud practitioner
- Google IT support certificate
- Google data analytics certificate

Applicants who have obtained a bachelor's degree from an ABET-accredited program at a U.S.-based college or university are not required to take the GRE.

**Career Opportunities:** Materials science engineers with a background in data science can pursue opportunities in a variety of fields to manage and analyze data and extract knowledge from large data sets for decision making, including in the following industries:

- aircraft design
- energy systems
- manufacturing
- product design
- semiconductors

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School for Engineering of Matter,Transport & Enrgy
https://semte.engineering.asu.edu/
ECG 202
semtegrad@asu.edu
480-965-2335

## Data Science, Analytics and Engineering (Mechanical and Aerospace Engineering), MS (ESDSEMAEMS)

**Online Degree Search Title:** Data Science, Analytics and Engineering (Mechanical and Aerospace Engineering), MS
**Campus:** Tempe

**Program Description:** There is an increasing need for all engineers to make use of data science tools like statistics, machine learning, artificial neural networks and artificial intelligence. Yet the majority of engineering occupations require subject matter expertise beyond data science. For mechanical and aerospace engineering, the need for data science, including machine learning, is felt in all subdisciplines, including controls, energy systems, aeronautics, astronautics and mechanics.

The mechanical and aerospace engineering concentration in the MS program in data science, analytics and engineering provides an advanced education that combines high-demand data science and mechanical and aerospace engineering. A focus on probability and statistics, machine learning and data engineering is complemented by mechanical and aerospace engineering-specific courses to ensure breadth and depth in both data science and mechanical and aerospace engineering.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (MAE 593), or 30 credit hours including the required capstone course (FSE 570).
Required Core (9 credit hours)
STP 502 Theory of Statistics II: Inference (3) or EEE 554 Probability and Random Processes (3)

CSE 511 Data Processing at Scale (3), CSE 512 Distributed Database Systems (3) or IFT 530 Advanced Database Management Systems (3)

Choose one from the following:
CSE 572 Data Mining (3)
CSE 575 Statistical Machine Learning (3)
EEE 549 Statistical Machine Learning: From Theory to Practice (3)
IEE 520 Statistical Learning for Data Mining (3)
IFT 511 Analyzing Big Data (3)
IFT 512 Advanced Big Data Analytics/AI (3)
MAE 551 Applied Machine Learning for Mechanical Engineers (3)
STP 550 Statistical Machine Learning (3)

Concentration (9 credit hours)

Electives (6-9 credit hours)

Culminating Experience (3-6 credit hours)
FSE570 Data Capstone (3), MAE593 Applied Project (3) or MAE599 Thesis (6)

Additional Curriculum Information
Concentration and elective coursework should be selected in consultation with the program advisor. Coursework selected for required core may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

**Admission Requirements:** Applicants must fulfill the requirement of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mechanical engineering, aerospace engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- professional resume
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 90 on the TOEFL iBT (taken in a testing center), 7 on the IELTS, or 115 on the Duolingo English test regardless of their current residency.

All applicants must demonstrate relevant coursework or experience in the following three areas:

- undergraduate statistics or probability (e.g., IEE 380 Probability and Statistics for Engineering Problem Solving, STP 420 Introductory Applied Statistics, STP 421 Probability, EEE 350 Random Signal Analysis)
- undergraduate linear algebra (e.g., MAT 242 Elementary Linear Algebra)
- familiarity with Matlab, Python, SQL, R, or other relevant programming skills (in the professional resume)

In addition, applicants without an undergraduate degree in computer science, computer engineering, software engineering, information technology, industrial engineering, operations research, statistics or a related computing field must show evidence (in the professional resume) of at least one of the following certifications or equivalent experience:

- AWS certified cloud practitioner
- Google IT support certificate
- Google data analytics certificate

Applicants who have obtained a bachelor's degree from an ABET-accredited program at a U.S.-based college or university are not required to take the GRE.

**Career Opportunities:** Data scientists are consistently ranked among the top jobs in the USA. Mechanical and aerospace engineers with a background in data science can pursue opportunities in a variety of fields to manage and analyze data and extract knowledge from large data sets

for decision making, including in the following industries:

- aircraft design
- energy systems
- manufacturing
- product design
- space systems

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School for Engineering of Matter,Transport & Enrgy
https://semte.engineering.asu.edu/
ECG 207
semtegrad@asu.edu
480-965-4979

## Data Science, Analytics and Engineering (Sustainable Engineering and Built Environment), MS (ESDSESEBMS)

**Online Degree Search Title:** Data Science, Analytics and Engineering (Sustainable Engineering and Built Environment), MS
**Campus:** Tempe

**Program Description:** Data scientists are consistently ranked among the top jobs in the USA, and there is an increasing need for all engineers to make use of data science tools like statistics, machine learning, artificial neural networks and artificial intelligence. Yet the majority of engineering occupations require subject matter expertise beyond data science.

This concentration program in the MS in data science, analytics and engineering provides an advanced education in high-demand data science and sustainable engineering and the built environment. A focus on probability and statistics, machine learning, data mining and data engineering is complemented by sustainable engineering and built environment-specific courses to ensure breadth and depth in data science and sustainable engineering and the built environment.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (FSE 570).
Required Core (9 credit hours)
STP 502 Theory of Statistics II: Inference (3) or EEE 554 Probability and Random Processes (3)
CSE 511 Data Processing at Scale (3), CSE 512 Distributed Database Systems (3) or IFT 530 Advanced Database Management Systems (3)

Choose one from the following:
CSE 572 Data Mining (3)
CSE 575 Statistical Machine Learning (3)
EEE 549 Statistical Machine Learning: From Theory to Practice (3)
IEE 520 Statistical Learning for Data Mining (3)
IFT 511 Analyzing Big Data (3)
IFT 512 Advanced Big Data Analytics/AI (3)
MAE 551 Applied Machine Learning for Mechanical Engineers (3)
STP 550 Statistical Machine Learning (3)

Concentration (9 or 12 credit hours)CEE 501 Machine Learning Techniques in Civil Engineering (3)Three additional courses from an approved list

Electives (6 or 9 credit hours)

Culminating Experience (3 or 6 credit hours)
CEE, CON or EVE 599 Thesis (6)
FSE 570 Data Science Capstone (3)

Additional Curriculum Information
Students should consult the academic unit for a list of approved electives and concentration course requirements.

Courses selected for Required Core or Concentration may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computing, engineering, mathematics,

statistics, operations research, information technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 90 on the TOEFL iBT, 7 on the IELTS, or 115 on the Duolingo English test regardless of their current residency.

All applicants must demonstrate relevant coursework or experience in the following three areas:

- undergraduate statistics or probability (e.g., IEE 380 Probability and Statistics for Engineering Problem Solving, STP 420 Introductory Applied Statistics, STP 421 Probability, EEE 350 Random Signal Analysis)
- undergraduate linear algebra (e.g., MAT 242 Elementary Linear Algebra)
- familiarity with Matlab, Python, SQL, R or other relevant programming skills (in the professional resume)

In addition, applicants without an undergraduate degree in computer science, computer engineering, software engineering, information technology, industrial engineering, operations research, statistics or a related computing field must show evidence (in the professional resume) of at least one of the following certifications or equivalent experience:

- AWS certified cloud practitioner
- Google IT support certificate
- Google data analytics certificate

Applicants who have obtained a bachelor's degree from an ABET-accredited program at a U.S.-based college or university are not required to take the GRE.

**Career Opportunities:** Civil, environmental, sustainable or construction management engineers with a background in data science can pursue opportunities in a variety of fields to manage and analyze data and extract knowledge from large data sets for decision making, including in the following industries:

- buildings
- construction
- environmental remediation
- transportation
- water treatment

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering & Built Envirnmt
https://ssebe.engineering.asu.edu/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Electrical Engineering, MS (ESEEMS)

**Online Degree Search Title:** Electrical Engineering, MS
**Campus:** Tempe
All students seeking a master's degree in electrical engineering must apply to the electrical engineering MSE (https://degrees.apps.asu.edu/masters-phd/major/ASU00/ESEEMSE/electrical-engineering-mse) program.
**Program Description:** This program does not accept applications to the MS directly. If interested in the Master of Science program, students should apply to the MSE program and, once admitted, consult with the Master of Science in Engineering program advisors.

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a research program leading to the Master of Science in electrical engineering.

Graduate courses and programs are offered in the following six areas of specialization:

- control systems
- electric power and energy systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- physical electronics and photonics
- signal processing and communications.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Electrical Engineering, BSE
Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis.
The credits earned toward this research degree must include a minimum of eight courses (24 credit hours minimum) and six credit hours of EEE 599 Thesis. As part of the eight courses, at least two should be outside the area of specialization.

Requirements include:
at least four EEE courses
at least two courses outside the area of specialization
at most two 400-level courses
at least three EEE 500-level courses
at most one EEE 590 Reading and Conference or FSE course
exam

A final oral examination in defense of the thesis completes the master's degree requirements.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students desiring the Master of Science in electrical engineering must initially apply to the Master of Science in Engineering program. Students who later obtain a research advisor may transfer to the Master of Science program.

**Career Opportunities:** The graduate with a Master of Science in electrical engineering has an advanced understanding of electrical engineering concepts and theories and the ability to develop, contribute to and apply them to their specialization.

Career examples include:

- computer hardware engineer
- computer and information research scientist
- computer network architect
- director of engineering
- electrical engineer

- electrical engineering researcher
- energy engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Electrical Engineering, MSE (ESEEMSE)

**Online Degree Search Title:** Electrical Engineering, MSE
**Campus:** Tempe, Online

**Program Description:** The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a professional program leading to the MSE in electrical engineering.

Graduate courses and programs are offered in six areas of specialization:

- control systems (not an option for the online degree but available to on-campus students)
- electric power and energy systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- physical electronics and photonics
- signal processing and communications

A concurrent degree, the MBA/MSE in electrical engineering, is available as an online option. For more information, students should visit the W. P. Carey School of Business page on concurrent degrees (https://wpcarey.asu.edu/mba-programs/online/concurrent-degrees).

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: W. P. Carey MBA - Online Program

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Earth and Space Exploration (Exploration Systems Design), BS
Electrical Engineering, BSE
Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio.
The master's degree in electrical engineering is a professional degree program requiring a minimum of 30 credit hours of coursework (a minimum of 10 classes) and a portfolio based on attendance and review of seminars hosted by the School of Electrical Computer and Energy Engineering.

Requirements include:

at least five EEE courses
at least three EEE 500-level courses
at least two courses outside the area of specialization
at most one EEE 590 Reading and Conference or FSE course
at most two 400-level courses

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

The decision to admit a student who has earned a bachelor's degree from a program accredited by ABET to a master's degree program in electrical engineering is based on a number of factors. A minimum requirement is an undergraduate GPA of 3.00 (scale is 4.00 = "A") in the student's last two years of undergraduate work.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- GRE scores (required if undergraduate program is not U.S. ABET-accredited)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the TOEFL iBT or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Admission to electrical engineering graduate programs is highly competitive. Preferred applicants have an undergraduate degree in electrical engineering.

Applicants should see the program website for application deadlines.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-engineering-electrical-engineering/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students are expected to differentiate key concepts within electrical engineering and demonstrate their understanding of those concepts on the written comprehensive exam and demonstrate knowledge of ethical standards in a professional setting.
- Students are expected to differentiate key concepts within electrical engineering and demonstrate their understanding of those concepts on the written comprehensive exam and demonstrate critical thinking skills in a professional setting.
- Students will understand and apply skills needed in order to select and secure professional employment in an electrical engineering-related field by practicing the skills they have learned in their courses and showing they have the ability to work successfully within the electrical engineering field, applying concepts from their academic experience, synthesizing knowledge, self-assessment on the student's part, and teamwork and communication to address societal needs.

**Career Opportunities:** Graduates of the Master of Science in Engineering program in electrical engineering have an advanced understanding of electrical engineering concepts and theories.

Career examples include:

- computer hardware engineer
- computer and information research scientist
- computer network architects
- director of engineering
- electrical engineer
- energy engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Electrical Engineering, PHD (ESEEPHD)

**Online Degree Search Title:** Electrical Engineering, PhD
**Campus:** Tempe

**Program Description:** The PhD in electrical engineering is awarded upon evidence of excellence in research leading to a scholarly dissertation that is a contribution to knowledge.

Graduate courses and programs are offered in the following six areas of specialization:

- control systems
- electric power and energy systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- physical electronics and photonics
- signal processing and communications

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Doctoral students are required to complete 84 credit hours of academic credit beyond the bachelor's degree. The following summarizes the degree course requirements:

Master's degree (30 credit hours)
from any accredited institution

Electives 500-level or above (18 credit hours)
at least nine credit hours of EEE courses

Research Class or Omnibus Courses (12 credit hours)
can be 400-level and above or
EEE 792 Research (12)

Dissertation (12 credit hours)
EEE 799 Dissertation (12)

Additional Curriculum Information
The 84 credit hours include 30 credit hours from the master's degree, a required 18 credit hours of doctoral coursework, 12 credit hours of research (EEE 792), and 12 credit hours (and only 12 credit hours) of dissertation (EEE 799).

The additional 12 credit hours can be more hours of research (EEE 792) or can be coursework as determined by the supervisory committee. At least nine credit hours of the minimum requirement of 18 credit hours of doctoral coursework must be in electrical engineering. EEE 790 Reading and Conference can be used for no more than three credit hours toward the required 18 but does not count toward the nine hours of 500-level EEE classes required.

All courses counting toward the required 18 credit hour minimum must be at the 500 level or higher. (Note: All courses having the prefix EEE 591 count as 400-level courses.) No more than one three-hour reading and conference course (EEE 790) may be taken as part of the 18 credit hour requirement. The content of any proposed reading and conference course must be reviewed and approved by the electrical engineering graduate program chair before a student registers for the course.

A qualifying examination, a comprehensive exam and the dissertation defense are required. Additional information on the program can be found in the Blue Student Guide published and available on the program's website.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

In general, a student must have a minimum GPA of 3.00 (scale is 4.00 = "A") in all undergraduate coursework and a minimum GPA of 3.50 (scale is 4.00 = "A") in all graduate coursework for admission to the doctoral program. A student usually must hold a master's degree before being admitted to the doctoral program. Direct doctoral admission is available for students graduating from an ABET-accredited electrical engineering program with a GPA of 3.60 (scale is 4.00 = "A") or higher.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the internet-based TOEFL or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

A student whose master's degree is not from a U.S. ABET accredited institution must score 156 or higher on the quantitative section of the GRE General Test. A good score on the writing portion is considered desirable.

A student whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Applicants should see the program website for application deadlines.

**Career Opportunities:** The graduate with a PhD in electrical engineering has an advanced understanding of electrical engineering concepts and theories and the ability to develop, contribute to and apply them to their specialization.

Career examples include:

- computer hardware engineer
- computer and information research scientist
- computer network architect
- director of engineering
- electrical engineer
- electrical engineering researcher
- energy engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)

**Online Degree Search Title:** Electrical Engineering (Art, Media and Eng), MS
**Campus:** Tempe

**Program Description:** This concentration in arts, media and engineering in the MS program in electrical engineering is a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts, and it is available for MS and PhD students admitted to this program who take two-thirds of their course, research and thesis credits from the electrical engineering program and one-third of the credits from the arts, media and engineering program.

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with transdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being as well as promotion of environmentally sustainable practices.

For more information on current research projects and initiatives, students should see the school's research page (https://artsmediaengineering.asu.edu/research).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis.
This program requires 30 credit hours of coursework.

Thesis students complete eight courses for the program, typically five from EEE and three from AME. In addition, six credit hours of thesis are required, typically four credit hours from EEE and two from AME.

Portfolio students complete ten courses for the program, typically six from EEE and four from AME.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Students from ABET-accredited undergraduate programs who wish to be considered for a master's degree program must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last two years of undergraduate coursework. Students from undergraduate programs that are not accredited by ABET must have a minimum GPA of 3.50 (scale is 4.00 = "A") in the last two years of undergraduate coursework or have graduated first class with distinction and must score in the 90th percentile or higher on the quantitative section of the GRE general test.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the internet-based TOEFL or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Applicants should submit materials that reflect the hybrid nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Applicants will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in a transdisciplinary research environment.

**Career Opportunities:** Graduates are able to apply new ideas, theories and systems related to the intersection of media arts and electrical engineering. The transdisciplinary nature of this program allows art, media and engineering graduates to connect electrical engineering signals and systems constructs to multimedia computing, digital communication, immersive augmented reality and virtual reality experiences, and data visualization.

Career examples include:

- augmented and virtual reality researcher
- computer systems engineer
- electrical engineering professor
- systems software engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)

**Online Degree Search Title:** Electrical Engineering (Art, Media and Eng), PhD
**Campus:** Tempe

**Program Description:** This concentration in arts, media and engineering is a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts, and it is available for MS and PhD students admitted to this program.

Students take two-thirds of their coursework from the electrical engineering program and one-third of the credits from the arts, media and engineering program.

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with transdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being, as well as promotion of environmentally sustainable practices. For more information on current research projects and initiatives, students should visit the school's research page (https://artsmediaengineering.asu.edu/research).

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
The program requires the following:

- a comprehensive examination
- the dissertation defense
- a qualifying examination
- 10 courses, typically seven from EEE and three from AME
- 12 credit hours of dissertation, typically eight credits from EEE and four from AME
- 12 credit hours of research, typically eight credits from EEE and four from AME

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants with a master's degree who wish to be considered for the doctoral program must have a minimum GPA of 3.50 (scale is 4.00 = "A") in their master's degree program. Applicants without a master's degree must have a minimum GPA of 3.60 (scale is 4.00 = "A") in the last two years of undergraduate coursework and have graduated from an ABET-accredited undergraduate program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the TOEFL iBT or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Applicants should submit materials that reflect the transdisciplinary nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Applicants will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in a transdisciplinary research environment.

**Career Opportunities:** Art, media and engineering graduates are able to generate and apply new ideas, theories and systems related to the intersection of media arts and electrical engineering. The transdisciplinary nature of this program allows them to connect electrical engineering signals and systems constructs to multimedia computing, digital communication, immersive augmented reality and virtual reality experiences, and data visualization.

Career examples include:

- augmented and virtual reality researcher
- computer systems engineer
- electrical engineering professor
- systems software engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Engineering, MEng (ESENGRMENG)

**Online Degree Search Title:** Master of Engineering, MEng
**Campus:** Online

**Program Description:** Engineers have the opportunity to gain valuable experience applicable to their chosen industry while gaining an advanced degree.

The MEng degree program is designed to meet the unique needs of professional engineers, and it is delivered entirely online. It is a practice-oriented degree program, and students can customize their learning experience by selecting a curriculum that addresses their academic and professional goals.

In this master's degree program, multiple emphasis areas are available. Within each area of study, there are specific course requirements in addition to the general program requirements. Students can select one of several areas of study available, such as engineering management, quality, reliability and statistical engineering, and systems engineering. A computing and technology area of study has been developed to support ASU's global initiatives.

Convenience and flexibility are key advantages of this program. The Master of Engineering is a 30 credit hour degree program that does not require GRE results, a thesis or on-campus attendance; it is only available through distance learning. The program is supported through online courses available from the Ira A. Fulton Schools of Engineering.

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a written comprehensive exam, or 30 credit hours and an oral comprehensive exam, or 30 credit hours including the required applied project course (CSE 593 or IEE 585 or IEE 593).
Students must complete 30 credit hours equaling 10 courses to earn a Master of Engineering. Half of all coursework, excluding the practice-oriented project, must be in engineering.

Students must complete three credit hours of applied engineering mathematics and three credit hours of engineering management or business.

A culminating event is required and is identified by the student's advisory committee. It could be a final written or oral examination, portfolio, or the final report of a practice-oriented project. Additional requirements may exist for some academic units and emphasis areas of the Master of Engineering program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the desired field of study from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts from all institutions attended
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/) for program descriptions and to request more information.

**Career Opportunities:** Engineers approach a broad range of disciplinary and transdisciplinary opportunities by applying new approaches and technologies to solve problems, innovate and create value.

The Master of Engineering degree is an interdisciplinary program preparing engineering, science and technology majors with more advanced technical, management and practical skills that enhance a student's marketability to potential employers. The program is designed for people who are already employed in engineering or technical roles, or who are interested in expanding their skill set before entering a technical organization as manager or individual contributors.

According to the Bureau of Labor Statistics, engineers are highly paid, and there is significant growth in the number of employment opportunities. Graduates of this multidisciplinary program are able to fill these roles in the following career paths:

- Engineering managers hold leadership positions in the management of projects, process and people, combining engineering competency with managerial skills to support the efficient development of new technology and products.
- Quality and reliability engineers utilize engineering principles to make business and production processes and products more efficient and dependable. They may also look for ways to seek efficiencies while maintaining reliable products and production methods.
- Systems engineers may become technical managers who develop the technical design of complex systems, and manage them, by building on their interdisciplinary expertise, systems engineering principles and practical experience.

**Contact Information:**

Engineering, Ira A. Fulton Schools of
Dean, Ira A. Fulton Schools of Engineering
https://graduate.engineering.asu.edu/engineering-meng-online/
CAVC 375
student-fseonline@asu.edu
480-965-0637

## Engineering, MS (TSEGRMS)

**Online Degree Search Title:** Engineering, MS
**Campus:** Polytechnic

**Program Description:** In the MS program in engineering, students develop applied analytical expertise across disciplinary boundaries, with direct applications of advanced design principles to system design, management and control.

The student's expertise, developed through the core curriculum, is reinforced with the flexibility of focus area options that include alternative energy, mechanical engineering and electrical engineering.

The culminating experience options are also flexible, allowing students to tailor the program to support their unique career goals while also becoming problem-solvers who create and shape the future.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Engineering (Automotive Systems), BSE
Engineering (Electrical Systems), BSE
Engineering (Mechanical Engineering Systems), BSE
Engineering (Robotics), BSE
Manufacturing Engineering, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (EGR 593).
Required Core (6 credit hours)
EGR 520 Engineering Analysis I (3)
EGR 530 Principles of Systems Engineering (3)

Focus Area (15 credit hours)

Electives (3-9 credit hours)

Culminating Experience (0-6 credit hours)
EGR 593 Applied Project (3) or
EGR 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for a list of approved electives.

The elective credit hours required are dependent upon the chosen culminating experience option. Completion of 30 credit hours of coursework is required for all culminating experience options.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should review the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

**Career Opportunities:** Engineers collaborate on interdisciplinary teams to design, manufacture and deliver innovative technological products and services. Program graduates possess not only sophisticated engineering technical skills but also the important professional skills of communication, teamwork and collaboration, and the adaptability that many employers seek.

Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to pursue a doctorate degree. Due to the emphasis on design and project-based learning, the program supports an entrepreneurial spirit, and some graduates start companies of their own.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/advising/
SUTON 240
polygrad@asu.edu
480-727-1874

## Engineering Education Systems and Design, PHD (ESEESDPHD)

**Online Degree Search Title:** Engineering Education Systems and Design, PhD
**Campus:** Polytechnic

**Program Description:** The PhD program in engineering education systems and design prepares all students to conduct engineering education research related to their scholarly interests using a systems and design approach.

Students who enroll in the program have a passion for developing skills as engineering education researchers and commitment to contributing to the engineering education community. Learning is driven by engagement with faculty and peers through coursework, research and programmatic events. Those who complete the program are ready to take on a variety of roles across a range of educational settings (e.g., pre-college and higher education, science centers, government agencies, museums, policy setting institutions and industry).

Students may enter the program with a bachelor's or master's degree in an engineering or a related discipline. Areas of research may include workforce adaptability, culturally responsive education, education policy, accessibility, broadening participation in engineering, engineering classroom practices, studies of marginalized groups, student persistence, graduate education, online education and empathy.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam and a dissertation.
Required Core (21 credit hours)
EGR 535 Innovation and Design of Engineering Academic Settings (IDEAS) (3)
EGR 565 Qualitative Methods for Engineering Education Research (3)
EGR 572 Quantitative Methods for Engineering Education Research (3)
EGR 574 Engineering Education Systems in Context (3)
EGR 576 From Then Until Now: Examining Inequities in STEM (3)
EGR 671 Applications of Qualitative Methods for Engineering Education Research (3)
EGR 673 Applications of Quantitative Methods for Engineering Education Research (3)

Electives and Research (48 credit hours)
electives (36)
research (12)

Other Requirement (3 credit hours)
EGR 594 Topic: EESD Seminar (3)

Culminating Experience (12 credit hours)
EGR 799 Dissertation (12)

Additional Curriculum Information
Students may be allowed to apply up to 30 credit hours from a previously awarded master's degree to their doctoral program as approved by the academic unit and the Graduate College. If students do not have a master's degree, the remaining 30 credit hours must consist of at least 18 graduate-level credit hours in a particular engineering discipline and at most nine credit hours in support of the student's dissertation research area.

Students are allowed up to six credit hours of 400-level coursework on the student plan of study with appropriate faculty advisor and program chair approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- CV or resume
- writing sample
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

Global Launch (https://globallaunch.asu.edu/learn-english) at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Synthesize the engineering education ecosystem by examining its past and exploring its future.
- •Conduct engineering education research using quantitative methods
- •Conduct engineering education research using qualitative methods.
- •Address the need for social justice, equity, diversity, and inclusion within engineering education

**Career Opportunities:** Graduates are equipped for competitive positions in top tier research institutions as exemplary scholars and teachers or for work as leaders in engineering education in a variety of settings, including:

- education startups
- government agencies
- industry
- policy-setting institutions
- science centers and museums
- think tanks
- universities

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Engineering Programs

https://poly.engineering.asu.edu/engineering/phd/
SUTON 240
polygrad@asu.edu
480-727-1874

## Engineering Science (Software Engineering), MSE (ESSFEMSE)

**Online Degree Search Title:** Engineering Science (Software Engineering), MSE
**Campus:** Online

**Program Description:** The MSE program in engineering science with a software engineering concentration offers specialized courses founded on the fundamentals and principles of software engineering. The program provides the knowledge and skills needed by a software engineer or software task leader on large and small projects requiring either agile methodologies or formal capability maturity model integration approaches.

The program addresses major software development methodologies, techniques, tools and processes for developing and managing software projects. The curriculum is based on the Software Engineering Body of Knowledge under the leadership of the IEEE Computer Society. Each course places an emphasis on applied assignments and projects that are relative to the student's workplace.

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours including the required applied project course (CSE 593).
Required Core (6 credit hours)
CSE 565 Software Verification, Validation, and Testing (3)
CSE 566 Software Project, Process, and Quality Management (3)

Concentration (3 credit hours)
CSE 591 Topic: Software Engineering Principles and Concepts (3)

Restricted Electives (18 or 21 credit hours)

Culminating Experience (0 or 3 credit hours)
CSE 593 Applied Project (3)
portfolio (0)

Additional Curriculum Information
For an approved list of restricted electives, students should see the academic unit.

Students select five or six elective courses: five for the applied project option or six for the portfolio option.

Two faculty member-approved 400-level courses may also be selected as electives for the restricted electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer engineering, software engineering or a related field from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 12 units of the postbaccalaureate transcript.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must provide evidence of demonstrated expertise in the area of object-oriented programming, advanced data structures, algorithm design and algorithm analysis; maturity in high-level programming (required); and successful completion of Calculus I (a minimum requirement).

Graduates of non-U.S. institutions must satisfy admission requirements established by the ASU Graduate College.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-engineering-engineering-science-concentration-software/) for program descriptions and to request more information.

**Career Opportunities:** Software engineers solve a broad range of disciplinary and transdisciplinary problems and apply new technologies to improve the quality of life. This master's degree prepares graduates for advanced study in computing and engineering, and it provides leadership to software engineering development projects and teams. Graduates of the program have experience using the software development life cycle and tools to solve complex, real-world problems.

According to the Bureau of Labor Statistics, software engineers are highly paid, and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:

- developing software to manage new regulatory requirements in industries such as health care, and administering existing policies digitally
- identifying requirements and developing testing plans for computer systems being built into consumer electronics
- leading software development teams and projects for organizations of various sizes and complexities

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Dean, Ira A. Fulton Schools of Engineering
https://graduate.engineering.asu.edu/engineering-science-software-engineering/
CAVC 375
student-fseonline@asu.edu
480-965-0637

## Environmental and Resource Management, MS (ESERMMS)

**Online Degree Search Title:** Environmental and Resource Management, MS
**Campus:** Polytechnic

**Program Description:** The MS program in environmental and resource management provides the regulatory and technical background needed to mitigate the environmental impact of industrial sources of pollution, ensure compliance with environmental regulations, and manage and preserve engineered and natural ecosystems. It is designed for students with a background in the sciences, engineering, management, natural resources management, environmental health and safety, or other affiliated areas.

The curriculum focuses on areas such as environmental law, water and wastewater treatment, air pollution management, solid and hazardous waste management, management of hazardous materials, soils and groundwater contamination, water law and policy, environmental toxicology, hazardous waste management, natural resources management, occupational health and safety, sustainable development, and international environmental laws and policies.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Business (Global Agribusiness), BA
Environmental Science, BS
Environmental Science, BA
Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (ERM 593).
Required Core (6 credit hours)
ERM 502 Regulatory Framework for Toxic and Hazardous Substances (3) or ERM 527 Environmental/Resources Regulations Concepts (3)
ERM 503 Principles of Toxicology (3) or ERM 506 Chemistry of Hazardous Materials (3)

Track Courses (9 credit hours)

Electives or Research (9-15 credit hours)

Culminating Experience (0-6 credit hours)
ERM 593 Applied Project (3)
ERM 599 Thesis (6)
portfolio (0)
written comprehensive exam (0)

Additional Curriculum Information
Students select either the environmental management track or the international environmental management track.

Students choose one of the culminating experiences listed above. Thesis students take nine credit hours of electives or research; applied project students take 12 credit hours of electives or research; portfolio and written comprehensive exam students take 15 credit hours of electives or research.

Students should see the academic unit for a complete list of approved electives and track courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in one of the following fields: environmental engineering, environmental and resource management, biology, chemistry, geology, environmental health, environmental management, environmental science, occupational safety and health, environmental technology, industrial hygiene, natural resource management, or a related field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

Global Launch (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission) at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply sustainable development practices and trends to environmental systems
- •Apply legal principles and concepts as described in environmental laws and regulations in order to manage engineered, industrial and natural ecosystems systems
- •Apply management, scientific and technical solutions to natural and anthropogenic environmental problems

**Career Opportunities:** Graduates are employed by industrial operations such as manufacturing and mining industries; federal, state and local environmental and water agencies; environmental firms; utilities; nongovernmental organizations; and international agencies such as the U.N. and the World Bank.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/erm/ms-environmental-and-resource-management/

SUTON 240
polygrad@asu.edu
480-727-1874

## Environmental and Resource Management (Water Management), MS (ESERMWTMS)

**Online Degree Search Title:** Environmental and Resource Management (Water Management), MS
**Campus:** Polytechnic

**Program Description:** The MS program in environmental and resource management provides students who have a background in the sciences, engineering, management, natural resources management, environmental health and safety, or other affiliated areas with the regulatory and technical background they need to mitigate the environmental impact of industrial sources of pollution, ensure compliance with environmental regulations, and manage and preserve engineered and natural ecosystems.

The concentration in water management focuses on issues of water quality, supply, treatment, reclamation, conservation and augmentation strategies. This program is especially appropriate for people who work in municipal, state, federal and tribal water and environmental agencies; water providers to urban and agricultural users; people who work in manufacturing and mining industries; as well as those interested in sustainable development in this country and around the world.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Environmental Science, BS
Environmental Science, BA
Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (ERM 593).
Required Core (6 credit hours)
ERM 502 Regulatory Framework for Toxic and Hazardous Substances (3) or ERM 527 Environmental/Resources Regulations Concepts (3)
ERM 503 Principles of Toxicology (3) or ERM 506 Chemistry of Hazardous Materials (3)

Concentration (9 credit hours)
ERM 523 Soils and Groundwater Contamination (3)
ERM 533 Water and Wastewater Treatment Technologies (3)
ERM 535 Water Law and Policy (3)

Electives or Research (9-15 credit hours)

Culminating Experience (0-6 credit hours)
ERM 593 Applied Project (3)
ERM 599 Thesis (6)
portfolio (0)
written comprehensive exam (0)

Additional Curriculum Information
Students choose one of the culminating experiences listed above. Thesis students take nine credit hours of electives or research; applied project students take 12 credit hours of electives or research; portfolio and written comprehensive exam students take 15 credit hours of electives or research.

Students should see the academic unit for the approved course list for electives or research. Other coursework may be used with the approval of the academic unit.

The thesis and applied project options have an oral defense.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country in engineering, physical

sciences, mathematics or a similar field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency) for more information.

Global Launch at ASU offers an online alternative (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission) to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply sustainable development practices and trends to water management systems
- •Apply legal principles and concepts as described in environmental laws and regulations in order to manage engineered, industrial and natural water systems
- •Apply management, scientific and technical solutions to address water management challenges and problems

**Career Opportunities:** Graduates are employed by industrial operations such as manufacturing and mining industries; federal, state and local environmental and water agencies; environmental firms; utilities; international agencies such as the United Nations and the World Bank; and NGOs.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/erm/
SUTON 240
polygrad@asu.edu
480-727-1874

## Environmental Engineering, MS (ESEVEMS)

**Online Degree Search Title:** Environmental Engineering, MS
**Campus:** Tempe

**Program Description:** The MS program in environmental engineering is designed for students who have a background in agricultural, biological, chemical, civil or environmental engineering or related fields.

The program provides students with advanced knowledge that can be applied when addressing grand challenges facing society, such as how to supply clean water and safe food, design a future without pollution, recover valuable resources from waste, and create healthy and smart cities.

Environmental engineers study nanotechnology, biotechnology and sustainable engineering.

**Degree Requirements:**

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (EVE 593).
Required Core (12 credit hours)
CEE 561 Physical-Chemical Treatment of Water and Waste (3)
CEE 562 Environmental Biochemistry and Waste Treatment (3)
CEE 563 Environmental Engineering Chemistry (3)
CEE 567 Environmental Microbiology (3)

Electives or Research (6-12 credit hours)

Other Requirements (6 credit hours)
CEE 560 Soil and Groundwater Remediation (3)
CEE 564 Contaminant Fate and Transport (3)
EVE 568 Environmental Risk Assessment (3)
EVE 571 Water Quality Modeling (3)

Culminating Experience (0-6 credit hours)
EVE 593 Applied Project (3) or
EVE 599 Thesis (6) or
written comprehensive exam (0)

Additional Curriculum Information
Students complete a thesis, applied project or take a written comprehensive exam as the culminating experience. Regardless of the culminating experience chosen, all students in the program complete six credit hours from the other requirements course list. Other requirement coursework may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in environmental engineering, chemical engineering, civil engineering, agricultural engineering, biological engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

The student's credentials for admission are evaluated by the graduate program chair. A student whose undergraduate degree is not in environmental engineering or a related field is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree program are specified at the time of admission.

Prospective students should note the following GRE score requirements need to be met for consideration for admission: minimum score in the quantitative section of 155 and minimum combined score for the quantitative and verbal sections of 301.

Applicants are strongly encouraged to submit a professional resume and personal statement.

**Career Opportunities:** Graduates with a master's degree in environmental engineering are employed in engineering consulting companies, private industry, local and federal government, and nongovernmental organizations.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering & Built Envirnmt
https://ssebe.engineering.asu.edu/
CAVC 437

sebe.advising@asu.edu
480-965-0595

## Graphic Information Technology, MS (ESGITMS)

**Online Degree Search Title:** Graphic Information Technology, MS
**Campus:** Polytechnic, Online

**Program Description:** The MS program in graphic information technology provides students the opportunity to study within the various areas of graphics and cross-media design. Courses offered provide students with a working knowledge of the technology and management required of the diverse graphic industries.

This program prepares students to be industry leaders who develop and manage content through numerous communication and distribution modes. Creative and comfortable with complex digital technology, graduates are innovative problem-solvers prepared for leading roles in the rapidly evolving graphics industry.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Science (Graphic Information Technology), BAS
Applied Science (Internet and Web Development), BAS
Graphic Information Technology, BS
Graphic Information Technology (Full-Stack Web Development), BS
Graphic Information Technology (User Experience), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (GIT 593).
Required Core (3 credit hours)
GIT 537 Current Issues in Cross Media Production (3)

Electives or Research (18-24 credit hours)

Other Requirement (3 credit hours)
GIT 500 Research Methods (3)

Culminating Experience (0-6 credit hours)
GIT 593 Applied Project (3) or
GIT 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students select an applied project, thesis or portfolio for the culminating experience. The culminating experience selected determines how many electives or research credit hours the student needs to take to complete 30 credit hours for the program.

Students should note that the thesis option is only available for on-campus students.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or master's degree from a regionally accredited institution in a related field such as graphic design, web design and development, photography, videography, motion graphics and visual effects, or user experience design.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume

- proof of English proficiency
- writing sample

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Global Launch at ASU (https://globallaunch.asu.edu/learn-english/asu-admission) offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Admission Services.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/graphic-information-technology-ms/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Analyze current cross-media research to determine appropriate standards for application to proposed solutions.
- •Build client- and audience-centered design solutions through the synthesis of best practices and research data.
- •Conduct industry-relevant research and communicate results effectively to diverse audiences.

**Career Opportunities:** This degree program prepares graduates for management positions in diverse graphic technology industries, such as:

- digital asset management
- digital media production
- internet and web development
- motion graphics
- planning and evaluation of cross media content creation and output
- pre-media, digital printing and publishing
- social media
- usability and user experience

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Graphic Information Technology
https://poly.engineering.asu.edu/git/ms-in-graphic-information-technology/
SUTON 240
polygrad@asu.edu
480-727-1874

## Human Systems Engineering, MS (ECAPSYCHMS)

**Online Degree Search Title:** Human Systems Engineering, MS
**Campus:** Polytechnic

**Program Description:** The MS program in human systems engineering in the Ira A. Fulton Schools of Engineering provides students with a deep understanding of the science of human performance and experience.

Students learn to use methods and tools that enable them to apply this understanding, to design and problem solve in a wide variety of domains such as product usability, learning design, sports performance, cyber security, human-robot teaming, and workplace and patient safety.

A broad range of professions needs experts in human factors to work on problems that involve an understanding of human performance. Students gain real-world experience by tackling projects that examine cutting-edge issues such as cell phones as a source of driver distraction, detection of improvised explosive devices, process optimization in health care, and even control of unmanned vehicles

Interest areas include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, human-robot teaming, health psychology, learning optimization, social cognition, threat detection and sports psychology.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Human Systems Engineering, BS
Human Systems Engineering (User Experience), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (HSE 593).
Required Core (12 credit hours)
HSE 520 Methods and Tools in Applied Cognitive Science (3)
HSE 530 Intermediate Statistics for Human Systems Engineering (3)
HSE 531 Data Analytics: Modeling Human Subjects Data (3)
HSE 542 Foundations of Human Systems Engineering (3)

Electives and Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)
HSE 593 Applied Project (6) or
HSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students have the option of doing a thesis (with industry guidance), an applied project to develop and demonstrate professional knowledge and skills, or a portfolio as the culminating experience.

Students selecting the thesis option work on the thesis, under faculty supervision, for at least one calendar year. The first three thesis credits are devoted to developing an idea and preparing a proposal for approval by a faculty committee. The next three credits allow for preparing the details of research design and data collection for the thesis (materials, computer programs, experimental test beds, questionnaires, etc.). The final six credits are devoted to collecting and analyzing data and writing and revising the thesis under the direction of the student's committee chair. Students defend the thesis in an oral examination.

In cases in which a student is engaged in a project initiated by industry, they may opt for the applied project option. Students carry out the applied project, under faculty supervision and guided by industry, in a calendar year in which the 12 credit hours outside of the core are allocated to a combination of research, applied project and report writing appropriate to the goals of the student and the industry partner. In all cases, the project culminates in a substantial written report followed by a comprehensive oral examination covering the project and other materials from required courses.

The portfolio should demonstrate a high level of mastery of the principles and practice of human systems engineering through a compilation of work that the student has completed through the course of their graduate study. While the specific details depend on the student's specialization, all portfolios must describe three notable projects or academic accomplishments that the student has completed through the course of graduate study that illustrate the evolution and advancement of the student's technical expertise and mastery of the field of human systems engineering. Submitted with the portfolio is a written document comprised of an overview of graduate experience and descriptions of the projects presented in the portfolio.

Applied project students take 12 elective credit hours, thesis students take nine elective credit hours plus three credit hours of HSE 592 Research, and portfolio students take 18 elective credits.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field (including engineering, computer science or business) from a regionally accredited institution.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose describing professional and academic aspirations
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

International applicants can find complete information on the English proficiency exams and other required documents on the Polytechnic School website (https://poly.engineering.asu.edu/hse/ms/).

The letters of recommendation should be from college professors, employers (in a human factors-related field) or a combination of both academic and professional references.

Applicants to this program generally have completed an undergraduate course in statistics.

Only complete applications are reviewed.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Apply the methods of human systems engineering to test a hypothesis or solve an applied problem
- •Conduct independent research to address problems in the space of Human Systems Engineering.
- •Apply the appropriate statistical analysis, address violations of assumptions (e.g., sphericity), & run the analysis using SPSS.

**Career Opportunities:** This master's degree program prepares students for industry and government careers in positions such as:

- game designer
- human factors engineer
- human systems integrator
- information systems designer
- interface designer
- military scientist
- user experience designer
- usability engineer

Graduates may work as a member of a design team for a product or system.

Recent graduates are working at places like Intel, Boeing, GoDaddy, Mayo Clinic, PayPal, Motorola, Google and the Air Force Research Lab. Recipients of this ASU master's degree also have gone on to pursue doctorates at ASU and other prestigious institutions.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/advising/
SUTON 240
polygrad@asu.edu
480-727-1874

## Human Systems Engineering, PHD (TSSMACSPHD)

**Online Degree Search Title:** Human Systems Engineering, PhD
**Campus:** Polytechnic

**Program Description:** Human systems engineering describes a growing transdisciplinary field consisting of the disciplines of psychological sciences and engineering. This field explores how people interact with technological and social systems in contexts that include transportation, medicine, military, computing and other complex systems.

The program broadly pulls from the areas of human factors and cognitive science. Human factors provides training in the foundation for the application of psychological and physiological principles to the engineering and design of products, processes and systems. Cognitive science provides the foundation necessary for integrating human capabilities and limitations into complex sociotechnical systems (i.e., the practice of cognitive engineering), and the application of cognitive science relies heavily on human systems engineering techniques.

A large domain exists in which the combination of human factors and applied cognitive science with a systems approach is imperative for the design of complex sociotechnical systems. Examples include:

- the design and evaluation of learning settings and technology (learning engineering)
- development of intelligent agents that work well with humans
- driving simulators for research on driver distraction
- dynamical systems models of team interaction
- gaming simulators for studying business decision-making
- human-in-the-loop simulation studies of cybersecurity analysis
- medical simulations for health care research
- models of cognitive states and processes of sociocultural systems
- nuclear control room simulations for improved human system integration
- pilot training research using aircraft simulators
- simulations of consumer behavior
- tests of future airspace control concepts using air traffic control simulators

This PhD program in human systems engineering is designed to ensure graduates are well-grounded and skilled in the methods of human systems engineering. The curriculum provides transdisciplinary, research-driven training in the computing, engineering, technology, applied cognitive science and human systems integration.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (12 credit hours)
HSE 520 Methods and Tools in Applied Cognitive Science (3)
HSE 521 Methods and Tools in Human Systems Engineering (3)
HSE 540 Foundations of Applied Cognitive Science (3)
HSE 542 Foundations of Human Systems Engineering (3)

Foundations (6 credit hours)

Methods and Tools (3 credit hours)

Applications (9 credit hours)

Electives (36 credit hours)

Research (6 credit hours)
HSE 792 Research (6) or additional electives as selected by the PhD committee

Culminating Experience (12 credit hours)
HSE 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives.

Electives are identified by the committee and approved by executive committee's approval.

No more than six credit hours of 400-level course work can be included on a graduate plan of study.

Students may petition the HSE Executive Committee to allow HSE-relevant or dissertation-relevant courses to be included as HSE elective courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in psychology, engineering, cognitive science, computer science or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts from each college or university attended
- personal statement
- professional resume

- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should review the Graduate Admission Services (https://admission.asu.edu/international/graduate/english-proficiency) website. Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Graduates with a PhD in human systems engineering will synthesizing research in human systems engineering into a literature review.
•Graduates with a PhD in human systems engineering will be able to answer research questions using the methods and tools of human systems engineering area.
•Graduates with a PhD in human systems engineering will be able to independently design an approach for addressing the questions, collecting, analyzing and interpreting data in the area of human systems engineering.

**Career Opportunities:** Graduates are well-grounded in cognitive science and skilled in its methods and applications. Employers (e.g., Department of Defense, Federal Aviation Administration, Nuclear Regulatory Commission, hospitals) have an ever-increasing demand for personnel who can bridge the gap between rigorous science and solutions to real-world problems. This program prepares students for industry, academic and government careers in positions such as:

- human factors engineer
- human systems integrator
- information systems designer
- interface designer
- military scientist
- user experience designer
- usability engineer

Graduates may work as a member of a design team for a product or system.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/advising/
SUTON 240
polygrad@asu.edu
480-727-1874

## Human Systems Engineering (Aviation Human Factors), MS (ESHSEAHFMS)

**Online Degree Search Title:** Human Systems Engineering (Aviation Human Factors), MS
**Campus:** Polytechnic

**Program Description:** The MS program in human systems engineering with a concentration in aviation human factors provides students with a deep understanding of the science of human performance and experience in the aerospace and aviation industries.

Students in this program participate in courses focusing on methods and tools in applied cognitive science, foundations of human systems engineering, uses of simulation, aviation physiology and crew resource management, among other topics. Students gain an understanding of cognitive science and human systems concepts and tools that enables them to effectively analyze, design, and develop aerospace and aviation products, workspaces, operations and training programs.

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (HSE 593).
Required Core (12 credit hours)
HSE 520 Methods and Tools in Applied Cognitive Science (3)

HSE 530 Intermediate Statistics for Human Systems Engineering (3)
HSE 531 Data Analytics: Modeling Human Subjects Data (3)
HSE 542 Foundations of Human Systems Engineering (3)

Concentration (6 credit hours)
AMT 533 Aviation Systems and Psychology (3)
AMT 565 Safety in Complex Systems (3)

Electives and Research (6 or 12 credit hours)

Culminating Experience (0 or 6 credit hours)
HSE 593 Applied Project (6) or
HSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
For electives and research coursework, enrollment in HSE 592 Research for three credit hours is required for students completing a thesis and optional for students completing the applied project or portfolio culminating experience. Students in all culminating experience options should contact the academic unit for an approved electives list.

Students completing a portfolio for the culminating experience must complete 12 credit hours of electives and research coursework, while students completing an applied project or thesis complete six credit hours of electives and research coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, aeronautical management, psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- curriculum vitae or professional resume
- professional statement
- research summary
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. Global Launch at ASU (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission) offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Choose the appropriate statistical analysis, address violations of assumptions (e.g., sphericity), & run the analysis using SPSS.
- •Apply the methods of human systems engineering to test a hypothesis or solve an applied problem
- •Conduct independent research to address problems in the space of aviation systems and human performance in those systems.

**Career Opportunities:** Graduates of this program are prepared for management, research, and training positions in aerospace and aircraft manufacturing, airlines, flight training and government.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu

SUTON 240
polygrad@asu.edu
480-727-1874

## Human Systems Engineering (Health Systems), MS (ESHSEHSMS)

**Online Degree Search Title:** Human Systems Engineering (Health Systems), MS
**Campus:** Polytechnic

**Program Description:** The MS program in human systems engineering with a concentration in health systems provides current and future managers with the technical expertise they will need to lead efficient health care systems.

Students learn to identify needs through system modeling, field research, and analytics to improve existing health care systems. This concentration program also allows students to perform research and develop innovative approaches to transform health care from reactive to proactive systems, which reflect National Institute of Health initiatives.

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (HSE 593).
Required Core (12 credit hours)
HSE 520 Methods and Tools in Applied Cognitive Science (3)
HSE 530 Intermediate Statistics for Human Systems Engineering (3)
HSE 531 Data Analytics: Modeling Human Subjects Data (3)
HSE 542 Foundations of Human Systems Engineering (3)

Concentration (6 credit hours)
BMI 605 Health Information Systems and Applications (3)
BMI 613 Workflow Analysis and Redesign in Health Systems Engineering (3)
BMI 616 Clinical Decision Support and Evidence-based Medicine (3)
HCD 502 Health Care Systems and Design (3)
HCD 570 Process Engineering (3)
HCD 575 Leadership and Professionalism (3)

Electives and Research (0 or 9 credit hours)

Other Requirements (3 credit hours)
HSE 525 Health and Human Systems Engineering (3)

Culminating Experience (0 or 6 credit hours)
HSE 593 Applied Project (6) or
HSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
For electives and research coursework, enrollment in HSE 592 Research for three credit hours is required for students completing a thesis, and optional for students completing the applied project or portfolio culminating experience. Students in all culminating experience options should contact the academic unit for an approved electives list.

Students completing a portfolio for the culminating experience must complete nine credit hours of electives and research coursework.

Other requirement course HSE 525 is required for all students, but in some situations may be substituted with academic unit approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, health, nutrition, psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- curriculum vitae or professional resume
- professional statement
- research summary

- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Global Launch at ASU (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission) offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply the appropriate statistical analysis, address violations of assumptions (e.g., sphericity), & conduct analyses using SPSS.
- •Apply the methods of human systems engineering to test a hypothesis or solve an applied problem
- •Conduct independent research to address problems in the space of human performance in healthcare systems.

**Career Opportunities:** Health care is a growing sector of the economy, accounting for almost 18% of the U.S. Gross Domestic Product in 2020 (https://www.cdc.gov (https://www.cdc.gov/)). Recent changes to the health care landscape at the federal level have led to increasing demand for measurable increases in efficiency and effectiveness of care delivery. To that end, technologies are deployed to manage, track and measure treatment effectiveness, patient satisfaction, provider reimbursement and process improvement, all of which require understanding of the human system and the complex processes involved in this work. Thus, human systems engineering tools and techniques can create efficiencies in all aspects of care delivery in which a human is involved, to improve system performance. Related to human systems engineers in health care, employment of industrial engineers is projected to grow 10% between 2016 and 2026, which is also faster than average for all occupations (Bureau of Labor Statistics).

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu
SUTON 240
polygrad@asu.edu
480-727-1874

## Human Systems Engineering (Intelligent Systems), MS (ESHSEISMS)

**Online Degree Search Title:** Human Systems Engineering (Intelligent Systems), MS
**Campus:** Polytechnic

**Program Description:** Intelligent technologies have seen rapid growth in the last decade. These technologies are now seen within public sector industries such as military and space exploration, private sectors such as medical manufacturing, and the education sector with the rise of learning engineering focusing on interactive e-learning environments and the use of learning technology within classrooms and training settings. The real change will be the way humans can interact with the new robotic and AI assistant technologies.

The MS program in human systems engineering with a concentration in intelligent systems provides students with a deep understanding of the science of human performance and experience in the engineering of intelligent systems, robotics and autonomous systems industries.

Students in this program participate in courses focusing on methods and tools in applied cognitive science and foundations of human systems engineering, including uses of simulation and robotics, among other topics.

This concentration prepares students for facilitating the future of work when humans will work closely with technology in the military, space exploration, education, manufacturing, medicine and agriculture

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (HSE 593).
Required Core (12 credit hours)
HSE 520 Methods and Tools in Applied Cognitive Science (3)
HSE 530 Intermediate Statistics for Human Systems Engineering (3)
HSE 531 Data Analytics: Modeling Human Subjects Data (3)
HSE 542 Foundations of Human Systems Engineering (3)

Concentration (9 credit hours)

Electives and Research (3 or 9 credit hours)

Culminating Experience (0 or 6 credit hours)
HSE 593 Applied Project (6) or
HSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
For electives and research coursework, enrollment in HSE 592 Research for three credit hours is required for students completing a thesis and optional for students completing the applied project or portfolio culminating experience. Students in all culminating experience options should contact the academic unit for an approved electives list.

Students completing a portfolio for the culminating experience must complete nine credit hours of electives and research coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, robotics engineering, mathematics or a related field from a regionally accredited institution. Students must have sufficient mathematics background for this concentration, including up to calculus III and linear algebra.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- curriculum vitae or professional resume
- professional statement
- research summary
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Global Launch at ASU (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission) offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply the appropriate statistical analysis, address violations of assumptions (e.g., sphericity), & conduct analyses using SPSS to answer Intelligent Systems-based questions.
- •Apply the methods of human systems engineering create hypothesis or solve an applied problem related to Intelligent Systems.
- •Conduct independent research to address problems in the space of intelligent systems

**Career Opportunities:** Graduates skilled in human interactions with robots, artificial intelligence agents and autonomous systems are needed to design the future of work, composing teams of human and nonhuman agents interacting safely and effectively and that have a positive impact on society and human well-being. The individuals who design those interactions and who decide what tasks to allocate to AI need to understand human capabilities and limitations and be able to work on multidisciplinary teams to ensure human considerations are accounted for.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu
SUTON 240
polygrad@asu.edu

480-727-4723

## Human Systems Engineering (User Experience Research), MS (ESHSEUERMS)

**Online Degree Search Title:** Human Systems Engineering (User Experience Research), MS
**Campus:** Polytechnic

**Program Description:** The MS program in human systems engineering with a concentration in user experience research focuses on how to conduct human-centered and experimental research to produce products that are useful, usable, desirable, easy to learn, efficient to use and easy to remember. It focuses on the research, design and validation of system components an end user interacts with, including software user interfaces, documentation, help systems, user support, aesthetics and communication.

Students may complement their education with courses in graphic information technology, technical communications, and entrepreneurship to strengthen their skills in information architecture, visual design and user interface prototyping. Additionally, hands-on user experience projects in these classes help students build portfolios necessary for entry-level positions.

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (HSE 593).
Required Core (12 credit hours)
HSE 520 Methods and Tools in Applied Cognitive Science (3)
HSE 530 Intermediate Statistics for Human Systems Engineering (3)
HSE 531 Data Analytics: Modeling Human Subjects Data (3)
HSE 542 Foundations of Human Systems Engineering (3)

Concentration (9 credit hours)
HSE 521 Methods and Tools in Human Systems Engineering (3)
HSE 525 Health and Human Systems Engineering (3)
TWC 511 Principles of Visual Communication (3)
TWC 514 Visualizing Data and Information (3)
TWC 544 User Experience (3)

Electives or Research (3 or 9 credit hours)

Culminating Experience (0 or 6 credit hours)
HSE 593 Applied Project (6) or
HSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
For electives and research coursework, enrollment in HSE 592 Research for three credit hours is required for students completing a thesis and optional for students completing the applied project or portfolio culminating experience. Students in all culminating experience options should contact the academic unit for an approved electives list.

Students completing a portfolio for the culminating experience must complete nine credit hours of electives or research coursework, while students completing an applied project or thesis must complete three credit hours of electives or research coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, user experience, psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- curriculum vitae or professional resume
- professional statement
- research summary
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency

(https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Admission Services.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Apply the appropriate statistical analysis, address violations of assumptions (e.g., sphericity), & conduct analyses using SPSS to answer User Experience Research based questions.
•Apply the methods of human systems engineering create hypothesis or solve an applied problem related to User Experience Research.
•Conduct an independent evaluation to address problems in the space of human performance in User Experience Research.

**Career Opportunities:** This master's degree program prepares students for industry and government careers in positions such as:

- game designer
- human factors engineer
- human systems integrator
- information systems designer
- interface designer
- military scientist
- usability engineer
- user experience designer

Graduates of the Master of Science program in human systems engineering find employment in user experience design and user experience research at companies like Apple, Hulu, Slack, HP, GoDaddy and Intel.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu
SUTON 240
polygrad@asu.edu
480-727-1874

## Industrial Engineering, MS (ESINDENMS)

**Online Degree Search Title:** Industrial Engineering, MS
**Campus:** Tempe, Online

**Program Description:** The industrial engineering MS program prepares students to give practical and economically efficient solutions to real-life, complex problems --- solutions that require a system level approach. Examples of these problems include health delivery, food and energy systems, as well as those that arise in the strategic planning of manufacturing, logistics operations and service industries. Some of the tools used to address these problems include statistics, optimization, computer simulation and advanced analytics.

The industrial engineering program is immersed in the innovation environment that permeates Arizona State University, and its faculty members are internationally recognized for their innovative research projects, funded both by government and industry.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: W. P. Carey MBA - Online Program

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Engineering Management, BSE
Industrial Engineering, BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply

(https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including a portfolio.
Required Core (12 credit hours)
IEE 505 Information Systems Engineering (3) or IEE 506 Web-Enabled Decision Support Systems (3)
IEE 545 Advanced Simulating Stochastic Systems (3) or IEE 561 Production Systems (3)
IEE 572 Design Engineering Experiments (3) or IEE 573 Reliability Engineering (3) or IEE 578 Regression Analysis (3)
IEE 574 Applied Deterministic Operations Research (3) or IEE 575 Applied Stochastic Operations Research Models (3)

Elective (0 or 6 credit hours)

Related Area (12 credit hours)

Culminating Experience (0 or 6 credit hours)
IEE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
The Master of Science in industrial engineering is a 30 credit hour program which has a thesis and a nonthesis track. The thesis track requires 24 credit hours of coursework, six credit hours of thesis, a written thesis and a final oral examination. The nonthesis track requires 30 credit hours of coursework and a portfolio.

At the time of admission, students' applications are considered primarily for the nonthesis track. After matriculating at Arizona State University, a student may consult with and receive approval from the industrial engineering faculty to pursue the thesis track.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts from all institutions attended
- a statement of purpose
- three letters of recommendation
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" (scale is 4.00 = "A") or higher.

A student with any deficiency coursework must complete each deficiency with a grade of "B" or better (scale is 4.00 = "A") within two semesters of admission to the program. Deficiency courses include:

CSE 110 Principles of Programming
CSE 205 Object-oriented Programming and Data Structures
IEE 376 Operations Research Deterministic Techniques/Applications
IEE 380 Probability and Statistics for Engineering Problem Solving
IEE 470 Stochastic Operations Research
MAT 242 Elementary Linear Algebra

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-industrial-engineering/) for program descriptions and to request more information.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Conduct advanced modeling from the fields of operations research and management information systems through the use of analysis tools at the MS level
- •Apply key theories and methods used in the field of industrial engineering to develop solutions.
- •Integrate learning to deliver an organized description of an industrial engineering solution.

**Career Opportunities:** Industrial engineers integrate people, processes, equipment, information and systems to do things better. The industrial engineering graduates will be developing, implementing and improving processes, operations and systems in industries for manufacturing, services, communications, agriculture or any other field.

Graduates of the Master of Science program in industrial engineering are suited for careers in logistics, finance, defense, travel and health care.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
https://scai.engineering.asu.edu/graduate-industrial-engineering/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Industrial Engineering, PHD (ESINDENPHD)

**Online Degree Search Title:** Industrial Engineering, PhD
**Campus:** Tempe

**Program Description:** The PhD program in industrial engineering engages students in fundamental and applied research. The overall educational objective of graduate study in industrial engineering is to improve each student's ability to identify, define and solve problems and perform original research to address the underlying causes of these problems. Industrial engineers develop qualitative and quantitative abilities to guide the design and operation of sustainable organizations and systems.

This doctoral program provides students with a rigorous education and with research and educational experiences. A large number of students are involved in applied research projects that are carried out in the context of government or privately-funded research. The program provides students with many opportunities to participate in highly impactful research projects and interact with the leaders of the subfield that they choose to study and specialize in. Hence, many of them graduate with significant accomplishments resulting from the work they performed during the course of their doctoral study.

**Degree Requirements:**
85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (15 credit hours)
IEE 605 Foundations of Information Systems Engineering (3)
IEE 620 Optimization I (3)
IEE 622 Optimization II (3)
IEE 640 Probability and Stochastic Processes (3)
IEE 670 Mathematical Statistics (3)

Electives (42 credit hours)

Research and Internship Required Coursework (16 credit hours)
IEE 594 Conference and Workshop (1)
IEE 700 Research Methods (1)
IEE 784 Teaching Internship (1)
IEE 790 Reading and Conference (1) OR IEE 584 Internship (1)
IEE 792 Research (12)

Culminating Experience (12 credit hours)
IEE 799 Dissertation (12)

Additional Curriculum Information
Students are required to complete five core courses within the first year of full-time enrollment in the doctoral program. To be allowed to continue in the program after completion of the core courses, each student must take and successfully pass a qualifying exam on three of the five core courses.

Eligible students can request a master's in passing after successfully completing the qualifying exam and completing 30 credit hours in the doctoral program.

A written and an oral comprehensive examination are required no later than the semester following completion of 57 credit hours of coursework in the plan of study. The student must also successfully defend the dissertation prospectus and the dissertation research.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" or higher (scale is 4.00 = "A").

A student with any deficiency coursework must complete each deficiency with a grade of "B" (3.00) or better within two semesters of admission to the program.

Deficiency courses include:
CSE 110 Principles of Programming
CSE 205 Object-Oriented Programming and Data Structures
IEE 376 Operations Research Deterministic Techniques/Applications
IEE 380 Probability and Statistics for Engineering Problem Solving
IEE 470 Stochastic Operations Research
MAT 242 Elementary Linear Algebra

Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop advanced modeling to solve problems/issues in the field of Industrial Engineering.
- •Produce novel scholarly research that makes a unique contribution to the field of industrial engineering.
- •Develop innovative methodology, algorithms, and tools to solve a complex systems problem.

**Career Opportunities:** Graduates of the program are prepared for careers in academia, government and industry doing teaching, advanced research, and developing and making use of advanced techniques for the operation of their businesses.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
https://scai.engineering.asu.edu/graduate-industrial-engineering/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Information Technology, MS (TSIFTMS)

**Online Degree Search Title:** Information Technology, MS
**Campus:** Polytechnic, Online

**Program Description:** The MS program in information technology is a transdisciplinary program that prepares students to be industry leaders in

the public and private sectors.

Students gain the technical competencies they need to design and develop information technology projects that interconnect people, process and technology to meet the needs of stakeholders and users.

The coursework emphasizes core technologies, and students select from two areas of focus: information technology security or information systems management.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Information Technology, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours including the required applied project course (IFT 593).
Required Core (12 credit hours)
IFT 510 Principles of Computer and Information Technology Architecture (3)
IFT 520 Advanced Information Systems Security (3)
IFT 530 Advanced Database Management Systems (3)
IFT 540 Information Systems Development (3)

Open Elective (3 or 6 credit hours)

Focus Area Electives (12 credit hours)

Culminating Experience (0 or 3 credit hours)
IFT 593 Applied Project (3) or
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely related field from a regionally accredited college or university.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education are considered.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's

ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/information-technology-ms/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Integrate theories and concepts of information technology in their master applied technology research and industry careers.
- •Build client-centered technology solution through the synthesis of best practices and transdisciplinary research.
- •Conduct industry relevant research and communicate results effectively to diverse audiences.

**Career Opportunities:** Graduates of the information technology program are well qualified for careers in the management of IT departments as this degree couples technical skills with the business skills needed to manage technical functions. Some graduates may pursue careers as technical support staff based on the focus area and secondary skills they achieve. Graduates also have the ability to manage technical professionals within their focus areas.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Information Technology
https://poly.engineering.asu.edu/advising/
SUTON 240
polygrad@asu.edu
480-727-1874

## Innovation and Venture Development, MS (HIIVDMS)

**Online Degree Search Title:** Innovation and Venture Development, MS
**Campus:** Tempe

**Program Description:** The MS program in innovation and venture development integrates the most advanced practices and technologies from business, engineering and design in a transdisciplinary, experience-based program that prepares the next generation of leaders with skills needed for launching successful ventures in any industry or sector, inside existing organizations or as new entities.

Graduates are prepared to lead cross-disciplinary teams in a world of growing uncertainty and ambiguity. They can identify needs and evaluate opportunities, generating insights from real-world problems; innovate solutions; and create and launch scalable business models that provide value to all stakeholders. Founders with this innovation and venture development degree from ASU can define a new standard for venture development.

**Degree Requirements:**
30 credit hours including the required capstone course (IVD 661).
Required Core (18 credit hours)
IVD 525 Fundamentals of Entrepreneurial Leadership (3)
IVD 560 Innovation Studio I: Discovery and Insight (3)
IVD 561 Innovation Studio II: Problem Reframing (3)
IVD 562 Innovation Studio III: Explore, Fail, Solve (3)
IVD 630 Scaling Entrepreneurial Leadership (3)
IVD 660 Innovation Studio IV: Business Model (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)
IVD 661 Innovation Studio V: Scale (6)

Additional Curriculum Information
Students should see the academic unit for a list of approved elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College, the Herberger Institute for Design and the Arts, the Ira A. Fulton Schools of Engineering and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in business, design, engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The applicant's written statement should describe an instance from the professional background outlining the applicant's use of innovation and entrepreneurial experience.

**Career Opportunities:** Career opportunities include:

- chief innovation officer
- creative developer
- director of engineering
- founder or CEO
- innovation manager
- management consultant
- marketing director
- product developer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Dean, Herberger Institute for Design and the Arts
https://design.asu.edu/
CDN 162
msivd@asu.edu
480-965-3536

## Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)

**Online Degree Search Title:** Lean Six Sigma Black Belt (Graduate Certificate)
**Campus:** Tempe, Online

**Program Description:** The Lean Six Sigma Black Belt graduate certificate is designed for engineers and managers who oversee tactical and strategic projects as well as various operational functions in their organizations.

The certificate program provides students with a set of contemporary tools they would use to produce measurable improvements in business processes. Students gain an in-depth understanding of the Six Sigma define, measure, analyze, improve, control process and the tools used to achieve effective process and product improvement. They develop the leadership and team-building skills necessary for overseeing continuous improvement projects with many stakeholders, and they understand how lean principles and design for Six Sigma fit into the overall task of product and process improvement.

The culminating experience is in line with the black belt certification requirements used nationwide in similar certification programs.

**Degree Requirements:**
15 credit hours including the required capstone courses (IEE 585).
Required Core (6 credit hours)
IEE 570 Advanced Quality Control (3)
IEE 581 Six Sigma Methodology (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
IEE 585 Six Sigma Capstone (3)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

A minimum grade of "B" is required for capstone course IEE 585.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Required Prerequisite Courses:
CSE 110 Principles of Programming, or equivalent
IEE 380 Probability and Statistics for Engineering Problem Solving, or equivalent
MAT 267 Calculus for Engineers III, or equivalent

No more than 40% of coursework toward the requirements of a graduate certificate may be completed prior to admission to the certificate program.

This certificate is also available through the Pathways for the Future program (https://pff.asu.edu/).

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/lean-six-sigma-black-belt-graduate-certificate/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Apply the appropriate analytical and statistical methods when managing Lean Six Sigma projects.
- Apply the Lean Six Sigma methodology to the design and improvement of processes, products, and services.

**Career Opportunities:** Six Sigma is a proven systematic approach to continuous improvement of critical processes in a wide range of industrial environments such as banks, manufacturing facilities and hospitals. The American Society of Quality defines the certified Six Sigma black belt as a professional who can explain Six Sigma philosophies and principles, including supporting systems and tools.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
https://scai.engineering.asu.edu/graduate-certificate-lean-six-sigma-black-belt/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Manufacturing Engineering, MS (TSMEGRMS)

**Online Degree Search Title:** Manufacturing Engineering, MS
**Campus:** Polytechnic

**Program Description:** Manufacturing engineering draws upon two distinct bodies of knowledge: manufacturing processes (i.e., how materials are altered in either shape or properties) and the processes of manufacturing (i.e., manufacturing systems and management). This combination of topics is embedded in the MS program in manufacturing engineering, and students can follow their interests by developing deeper expertise in either manufacturing processes or the processes of manufacturing.

The program provides advanced technical content to help students prepare for career transitions and improve company competitiveness. It consists of a core set of courses designed to provide all students with advanced knowledge of manufacturing fundamentals and an introduction to systems engineering. The expertise developed in the core curriculum supports student focus areas building on existing unit faculty strengths, including

automation, robotics, additive and subtractive manufacturing processes including computer numerical control machining, modeling and simulation, electronics manufacturing and manufacturing management.

Thesis, applied project and portfolio options are offered for the culminating experience.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Engineering (Automotive Systems), BSE
Engineering (Electrical Systems), BSE
Engineering (Mechanical Engineering Systems), BSE
Engineering (Robotics), BSE
Manufacturing Engineering, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (EGR 593).
Required Core (6 credit hours)
EGR 520 Engineering Analysis I (3)
EGR 522 Statistics for Quality Control in Manufacturing (3)

Electives (15-21 credit hours)

Other Requirement (3 credit hours)
EGR 598 Topic: Manufacturing Systems Management (3)

Culminating Experience (0-6 credit hours)
EGR 593 Applied Project (3) or
EGR 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

EGR 598 Topic: Manufacturing Systems Management may be substituted with approval from the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in engineering, physical sciences, mathematics or similar from a regionally accredited U.S. institution, or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that institution's country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should review the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

Global Launch at ASU (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission) offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude

through professional experience or additional postbaccalaureate education is considered.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

**Career Opportunities:** Graduates of the Master of Science program in manufacturing engineering find opportunities in both large and small corporations and government agencies as well as within startup enterprises where they play a critical role.

Typical job responsibilities include manufacturing process design, manufacturing process management and quality control and assurance, and graduates with advanced degrees have opportunities to participate in and lead research teams that are developing the next generation of advanced manufacturing technologies.

ASU manufacturing engineering graduates are well placed and command top salaries in their engineering careers, some of which include:

- additive manufacturing
- automation and robotics
- engineering economics
- logistics and supply chain management
- manufacturing operations
- project management
- quality management and reliability

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Manufacturing Systems and Networks
https://msn.engineering.asu.edu/degrees/manufacturing-engineering-ms/
SANCA 331
msngrad@asu.edu
480-727-2097

## Manufacturing Engineering, PHD (ESMFGPHD)

**Online Degree Search Title:** Manufacturing Engineering, PhD
**Campus:** Polytechnic

**Program Description:** The PhD program in manufacturing engineering provides students with the knowledge, skills and abilities to successfully meet the most difficult challenges of modern manufacturing industries on a global scale. The program involves faculty and industry members together with a hands-on philosophy to education and research, that provides students with various career development opportunities (e.g., internships and exchange experiences).

**Degree Requirements:**
84 credit hours, an oral comprehensive exam, a written comprehensive exam, a prospectus and a dissertation.
Required Core (12 credit hours)
EGR 520 Engineering Analysis I (3)
EGR 545 Robotic Systems I (3)
Choose two courses from the following:
EGR 581 Simulating Manufacturing Systems (3)
MFG 522 Engineering Statistics (3)
MFG 523 Artificial Intelligence for Smart Manufacturing (3)
MFG 574 Polymer Science and Additive Manufacturing (3)
MFG 582 Metal Additive Manufacturing (3)

Research (15 credit hours)
MFG 792 Research (15)

Electives or Research (45 credit hours)

Culminating Experience (12 credit hours)
MFG 799 Dissertation (12)

Additional Curriculum Information
When approved by the academic unit and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in manufacturing engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 ="A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae or professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should review the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

The statement of purpose requirement is a 300- to 500-word statement describing the applicant's motivation and rationale for obtaining a doctorate in manufacturing engineering at Arizona State University and how it relates to their long-term career goals.

**Career Opportunities:** With the doctoral degree, graduates typically seek research-oriented academic appointments or industrial research and development positions.

Professionals with a doctorate in manufacturing engineering have substantial opportunities at all levels in manufacturing engineering in research and development at companies, research institutes and national laboratories (e.g., DOD, DOE, NASA). Relevant careers and related titles include the following:

- industrial engineers
- manufacturing engineers
- materials engineers
- materials scientists
- mechanical engineers
- mechatronics engineers

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Manufacturing Systems and Networks
https://msn.engineering.asu.edu/degrees/graduate/
SANCA331
msngrad@asu.edu
480-727-2097

## Materials Science and Engineering, MS (ESMATEMS)

**Online Degree Search Title:** Materials Science and Engineering, MS
**Campus:** Tempe, Online

**Program Description:** The MS program in materials science and engineering prepares engineers for doctoral study or for industrial positions that specialize in research, project management and product innovation in materials science and engineering.

The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in thermodynamics, structures and mechanical properties; kinetics; optical and magnetic properties; materials characterization; and energy production and storage.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Chemical Engineering, BSE
Chemistry, BS
Materials Science and Engineering, BSE
Mechanical Engineering, BSE
Mechanical Engineering (Computational Mechanics), BSE

Mechanical Engineering (Energy and Environment), BSE
Physics, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including a portfolio, or 30 credit hours including the required applied project course (MSE 593).
Required Core (6 credit hours)
MSE 503 Concepts in Materials Science (3)
MSE 523 Structural and Mechanical Properties of Materials (3)
MSE 524 Advanced Thermodynamics (3)
MSE 525 Fundamentals of Electrical, Optical, and Magnetic Materials and Device Applications (3)
MSE 550 Advanced Materials Characterization (3)
MSE 560 Nanomaterials in Energy Production and Storage (3)
MSE 561 Phase Transformations, Kinetics, and Diffusion in Solids (3)

Technical Electives (18 or 24 credit hours)

Culminating Experience (0-6 credit hours)
MSE 593 Applied Project (3) or
MSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
The materials science and engineering MS program has two options: thesis and nonthesis.

All students are admitted to the nonthesis option. The nonthesis option requires a portfolio. During the last semester of their program, students in the portfolio option submit a portfolio containing at least two projects from previous materials science and engineering coursework along with a paper explaining the projects. Students must successfully complete the portfolio requirements to pass the culminating experience. Students completing a portfolio must also take an extra six credit hours of elective coursework to reach the required 30 credit hours for the program.

Students in the applied project option write a written report in consultation with their faculty chair and present at the end of semester poster symposium.

If students wish to change to the thesis option, a faculty advisor has to be secured, and then a petition may be submitted to request the change to the thesis option. Students in the thesis option must complete a thesis and pass the thesis defense examination.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A";) in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Admission to the materials science and engineering graduate program is highly competitive. All applicants must submit:
- graduate admission application and application fee
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants whose native language is not English are required to achieve a minimum score of 90 on the Internet-based TOEFL.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review and admission is not guaranteed.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's

ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-materials-science-and-engineering/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with a materials science and engineering master's degree have strong opportunities at all levels in material design, selection, synthesis and characterization for a wide range of applications including electro-optical-magnetic systems, environmental systems, energy conversion and storage, manufacturing and construction. Materials jobs are available at a large number of high tech and manufacturing companies all sizes as well as national laboratories (DOE, DOD, NASA) and universities. Analytical skills learned in materials engineering are also valued for other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- research engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Materials Science and Engineering Program
https://semte.engineering.asu.edu/materials-science-graduate/
ECG 202
semtegrad@asu.edu
480-965-2335

## Materials Science and Engineering, PHD (ESENMATPHD)

**Online Degree Search Title:** Materials Science and Engineering, PhD
**Campus:** Tempe

**Program Description:** The PhD program in materials science and engineering prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

This field draws upon a fundamental base of knowledge, with underpinnings in physics, chemistry and engineering. The program extends that knowledge to address a broad range of materials-driven challenges, such as energy efficiency, sustainability, functional nanostructures, electronic materials, biomaterials and polymers.

Interdisciplinary in nature, the curriculum offers required courses in four core subjects:

- advanced thermodynamics
- kinetics and phase transformations
- physics of materials
- structure and properties of materials

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (12 credit hours)
MSE 523 Structural and Mechanical Properties of Materials (3)
MSE 524 Advanced Thermodynamics (3)
MSE 525 Fundamentals of Electrical, Optical, and Magnetic Materials and Device Applications (3)
MSE 561 Phase Transformations, Kinetics, and Diffusion in Solids (3)

Electives (3-18 credit hours)

Research (24-39 credit hours)
MSE 792 Research

Other Requirement (3 credit hours)
MSE 591 Seminar (3)

Culminating Experience (12 credit hours)
MSE 799 Dissertation (12)

Additional Curriculum Information
Students entering with a bachelor's degree are required to complete a minimum of 18 credit hours of elective coursework. Graduate elective courses may be selected from any of the graduate courses in the materials science and engineering curriculum as well as elective courses from

related disciplines (e.g., chemistry, physics, electrical engineering), subject to approval by the faculty advisor. These courses should comprise a focused plan of study with emphasis in a particular area of materials science, organized in consultation with faculty supervisory committee.

Students entering the doctoral program with a master's degree need to complete 24 credit hours of research (MSE 792). Students entering with a bachelor's degree are required to complete 39 credit hours of research (MSE 792).

MSE 591 is a one credit hour course to be taken in three semesters. The seminar course consists of a series of seminars presented by invited speakers and graduate students. Doctoral students are required to give a seminar presentation once during the academic year after they have begun their research.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives and research coursework as specified by the academic unit. If the master's degree has not been completed, a maximum of 12 credit hours of graduate work may be applied with program approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited U.S. or international institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Admission to the materials science and engineering doctoral program is highly competitive. All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Once the application file is complete, the file is forwarded to the faculty admissions committee for evaluation and recommendation.

The admission process considers all aspects of the student's application. The typical successful applicant has, at minimum, a cumulative GPA of 3.25 (scale is 4.00 = "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE scores as well as high TOEFL scores for those whose native language isn't English.

Financial aid is available to highly qualified students. The most common type of financial aid is teaching and research assistantships, which are accompanied by tuition waivers and major medical insurance benefits. Other types of financial aid include Ira A. Fulton Schools of Engineering fellowships and Science Foundation Arizona fellowships.

**Career Opportunities:** Professionals with a materials science and engineering doctoral degree have strong opportunities at all levels in material design, selection, synthesis and characterization for a wide range of applications including electro-optical-magnetic systems, environmental systems, energy conversion and storage, manufacturing and construction. Materials jobs are available at a large number of high tech and manufacturing companies of all sizes as well as national laboratories (DOE, DOD, NASA) and universities. Analytical skills learned in materials engineering are also valued in other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- research engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Materials Science and Engineering Program
https://semte.engineering.asu.edu/materials-science-graduate/
ECG 202
semtegrad@asu.edu

480-965-2335

# Mechanical Engineering, MS (ESMEMS)

**Online Degree Search Title:** Mechanical Engineering, MS
**Campus:** Tempe

**Program Description:** The MS program in mechanical engineering prepares engineers for doctoral study or industrial positions that specialize in research, project management and product innovation in mechanical engineering.

The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aerospace Engineering (Aeronautics), BSE
Aerospace Engineering (Astronautics), BSE
Aerospace Engineering (Autonomous Vehicle Systems), BSE
Mechanical Engineering, BSE
Mechanical Engineering (Computational Mechanics), BSE
Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (MAE 593).
Major Area of Emphasis (12 or 15 credit hours)

Technical Electives (6 or 9 credit hours)

Mathematics (6 credit hours)

Culminating Experience (0 to 6 credit hours)
MAE 593 Applied Project (3) or
MAE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the thesis option.

The plan of study must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of approved courses at the 500 level and above, with a minimum cumulative GPA of 3.00 or above.

Coursework for the major area of emphasis is restricted to MAE coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae

- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency; a minimum score of 80 on the internet-based TOEFL is required.

Admission to the mechanical engineering graduate program is highly competitive; preferred applicants have an undergraduate degree in aerospace engineering or mechanical engineering.

Admission to the 4+1 degree program requires a 3.50 ASU GPA (scale is 4.00 = "A") in degree-applicable courses. All applications are subject to review, and admission is not guaranteed.

Applicants should see the program website for application deadlines.

**Career Opportunities:** Professionals with a mechanical engineering master's degree have strong opportunities at most levels in mechanical engineering in research, design, and manufacturing at companies of all sizes as well as national laboratories (DOE, DOD, NASA). Analytical skills learned in mechanical engineering are also valued for other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- research engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-graduate/
ECG 202
semtegrad@asu.edu
480-965-2335

## Mechanical Engineering, PHD (ESMEPHD)

**Online Degree Search Title:** Mechanical Engineering, PhD
**Campus:** Tempe

**Program Description:** This PhD program in mechanical engineering emphasizes original research and provides students with a strong background for employment by academic institutions, government laboratories and industrial research laboratories with a focus on mechanical engineering.

The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics and energy. Modern computational and laboratory facilities are available to support timely research investigations.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
84 credit hours
qualifying exams
written and oral comprehensive exams
prospectus
dissertation

All students pursuing the doctorate are required to pass both a qualifying and a comprehensive examination administered by the program committee.

credit hours of coursework directly related to the research area (18)
credit hours of mathematics (9)
credit hours of graduate elective courses outside the major research area (9)
MAE 792 Research
MAE 799 Dissertation credit hours (12)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from an accredited U.S. or international

institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency and is required to achieve a minimum score of 80 on the internet-based TOEFL.

Admission to the mechanical engineering doctoral program is highly competitive and preferred applicants have an undergraduate or Master of Science degree in aerospace engineering or mechanical engineering. The admission process considers all aspects of the student's application and admission is not guaranteed. The typical successful applicant has at least a cumulative GPA score of 3.25 (scale is 4.00 = "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE, and a successful applicant whose native language isn't English would also have a high TOEFL score.

Applicants should see the program website for application deadlines.

**Career Opportunities:** Professionals with a mechanical engineering doctoral degree have strong opportunities at all levels in mechanical engineering in research, design, and manufacturing at companies of all sizes as well as national laboratories (DOE, DOD, NASA). Analytical skills learned in mechanical engineering are also valued for other nonengineering positions.

Career examples include:

- engineer
- engineering manager or director
- engineering professor
- research engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-graduate/
ECG 202
semtegrad@asu.edu
480-965-2335

## Modern Energy Production and Sustainable Use, MS (ESMEPSUMS)

**Online Degree Search Title:** Modern Energy Production and Sustainable Use, MS
**Campus:** Tempe

**Program Description:** Students are provided with the skills and knowledge they need in order to address the challenges associated with the different modalities in energy production and storage, and they are encouraged to work with instructors in the program who are conducting research.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Mechanical Engineering, BSE
Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core (12 credit hours)
Choose four courses:
ALT 535 Applied Photovoltaics (3)
CHE 573 Fuel Cells and Biofuel Cells (3)
CHE 578 Biomass Energy Conversion Technology (3)
MAE 576 Energy Efficiency (3)
MAE 579 Wind Energy (3)
MAE 582 Renewable Energy: Mechanical Systems (3)
MSE 560 Nanomaterials in Energy Production and Storage (3)
SEC 501 Solar Engineering and Commercialization I (3)

Mathematics Elective (3 credit hours)

Sustainability Electives (6 credit hours)

Technical Electives (9 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
The modern energy production and sustainable use program only offers a nonthesis, portfolio option.

Students should see the academic unit for a list of approved elective coursework. Other coursework may be used with approval of the academic unit.

During the last semester of their program, students submit a portfolio containing at least two projects from previous engineering coursework along with a paper explaining the projects. Students must successfully complete the portfolio requirements to pass the culminating experience.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any engineering, physical science or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The minimum score required on the TOEFL iBT is 90.

**Career Opportunities:** This MS program in modern energy production and sustainable use prepares students for professional careers in transdisciplinary areas of renewable energy generation and storage, energy-saving materials, manufacturing, sustainable transportation, and related fields in industry, government and educational institutions.

Professionals with a modern energy production and sustainable master's degree have strong opportunities at all levels in various energy related technologies with private and government entities. The skills learned in this degree prepare graduates for a career as a practicing engineer.

Career examples include:

- development engineer
- process engineer
- product engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School for Engineering of Matter,Transport & Enrgy
https://semte.engineering.asu.edu/modern-energy-production-and-sustainable-use-ms/
ECG 202
semtegrad@asu.edu
480-965-2335

## Molecular, Cellular, Tissue, and Biomaterials Engineering (Certificate), Certificate (ESMCTBGRCT)

**Online Degree Search Title:** Molecular, Cellular, Tissue and Biomaterials Engineering (Graduate Certificate)
**Campus:** Tempe, Online
This program is not accepting applications at this time.
**Program Description:** Engineers are constantly improving in their capability to manipulate the components of biological systems. Approaches for localized delivery of drugs, genetic manipulations of cells, and building of tissue scaffolds are changing rapidly.

The certificate program in molecular, cellular, tissue and biomaterials engineering exposes students to many of the principles and techniques which are central to the field. Students who complete the program have a set of skills that enables them to participate in engineering biological systems at levels from the molecular to tissues.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
BME 567 Tissue Engineering and Regenerative Medicine (3)

Electives (12 credit hours)

Additional Curriculum Information
Students should see the academic unit for an approved list of elective courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students should see below for more information.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students must have a BS or BSE in biomedical engineering; or a BS or BSE in engineering plus advanced (postbaccalaureate) training in medicine, physiology or related fields; or a BS in a science discipline plus additional background work in biology, thermodynamics, fluids, transport and additional work in medicine, physiology or related fields. Specifically, applicants need to demonstrate equivalent proficiency in at least four of the following five areas:

- biomaterials
- electrical networks or circuits
- engineering mechanics
- fluid mechanics or engineering transport
- thermodynamics or physical chemistry

Admission examinations are not required.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Apply advanced biological concepts and principles at the cellular and molecular level to biomedical engineering solutions.
- •Generalize advanced techniques and concepts from the cellular and molecular level to tissue engineering to address biomedical questions
- •Apply biomaterials knowledge to solve biomedical engineering problems at the graduate level.

**Career Opportunities:** Professionals who specialize in molecular, cellular, tissue and biomaterials engineering are in high demand, sought-after by local, national and international employers across sectors and industries, including business, academia, health care, government and research.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Biological & Health Systems Engineering
https://sbhse.engineering.asu.edu
ECG 334
sbhse.advising@asu.edu
480-965-3028

## Neural Engineering (Certificate), Certificate (ESNENGRCT)

**Online Degree Search Title:** Neural Engineering (Graduate Certificate)
**Campus:** Online
ASU is not currently accepting applications for this program.
**Program Description:** Technologies for ameliorating neural disorders, such as epilepsy, stroke and paralysis, are developing rapidly. Understanding and deploying these technologies requires specialized skills in neurophysiology, bioelectricity and neural-electronic interfaces.

The certificate program in neural engineering prepares clinical, industrial and academic practitioners with those skills, through courses in areas of knowledge in neurophysiology, neuroanatomy and neuropathology. Students then go on to learn of the state-of-the-art neurotechnologies applied to current neural disorders as well as the biophysics which these devices exploit.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
BME 526 Introduction to Neural Engineering (3)
BME 561 Clinical Neuroscience (3)

Electives (9 credit hours)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students should see below for more information.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The English proficiency requirement is equivalent to the ASU Graduate College policy: TOEFL iBT of at least 80 or IELTS overall band score of 6.5.

Applicants must have earned a BS or BSE or master's degree in biomedical engineering; or have earned a BS or BSE in engineering and have advanced (postbaccalaureate) training in medicine, physiology or related fields; or a BS in a science discipline plus have additional background work in thermodynamics, fluids, transport and additional work in medicine, physiology or related fields. Specifically, applicants need to demonstrate equivalent proficiency in at least four of the following six areas:

- biomaterials
- electrical networks or circuits
- engineering mechanics
- fluid mechanics or engineering transport
- signals and systems or control systems
- thermodynamics or physical chemistry

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply advanced neural engineering concepts and principles to biomedical engineering solutions at the graduate level.
- •Apply advanced neurorehabilitation principles to biomedical engineering solutions at the graduate level.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Biological & Health Systems Engineering
https://sbhse.engineering.asu.edu
ECG 334
sbhse.advising@asu.edu
480-965-3028

## Nuclear Power Generation (certificate), Certificate (ESNPGGRCT)

**Online Degree Search Title:** Nuclear Power Generation (Graduate Certificate)
**Campus:** Tempe, Online

**Program Description:** The nuclear power generation graduate certificate program is a transdisciplinary professional option within the Ira A. Fulton Schools of Engineering.

Students typically begin with the study of nuclear science and engineering fundamentals. Subsequent core courses focus on nuclear power plant dynamics and diagnostics, nuclear power plant operations and safety, and nuclear reactor theory and design.

Elective courses allow students to tailor the remaining studies toward facilitating their career goals and focusing on studies tied to their academic interests. Example elective courses include nuclear power engineering, health physics and electrical power plants.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
EEE 562 Nuclear Reactor Theory and Design (3)
EEE 563 Nuclear Reactor System Dynamics and Diagnostics (3)
EEE 564 Interdisciplinary Nuclear Power Operations (3)

Electives (6 credit hours)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in an engineering or science discipline, such as physics, chemistry and mathematics from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Transcripts should be submitted for all undergraduate and graduate coursework taken.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-nuclear-power-generation/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Master the key concepts in the nuclear engineering field at an advanced level.
- Master the key concepts in the power engineering field at an advanced level.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents --- Arizona State University, King's College London and UNSW Sydney --- to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to collaborate with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaboration certificate program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/global-learning-network-programmes (https://www.plusalliance.org/global-learning-network-programmes)

**Career Opportunities:** The program prepares students and professionals from a variety of engineering and scientific disciplines to work effectively in the nuclear energy industry. Career options include positions in nuclear power plants, government regulatory agencies and national laboratories.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Robotics and Autonomous Systems (Artificial Intelligence), MS (ESRASAIMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Artificial Intelligence), MS
**Campus:** Tempe

**Program Description:** The artificial intelligence concentration is one of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields. This concentration is appropriate for students who wish to emphasize applications in artificial intelligence and computer science.

Students receive a solid theoretical and practical background in a variety of topics that facilitate the study of intelligent agents, that is any robotic system that perceives its environment and takes actions that maximize its chance of successfully achieving its goals. Thus, students in this concentration are exposed to the frontiers of the general topics in AI, including statistical machine learning, computer vision, natural language processing, knowledge retrieval and reasoning, and formal methods of planning. When compared to the other concentrations, the AI concentration focuses more on the algorithmic aspects of robotics.

This concentration program is offered by the School of Computing and Augmented Intelligence.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science, BS
Computer Systems Engineering, BSE
Informatics, BS
Software Engineering, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (CSE 593).
Required Core (6 credit hours)
MAE 501 Linear Algebra in Engineering (3) or EGR 501 Applied Linear Algebra for Engineers (3)
MAE 547 Modeling and Control of Robots (3) or EGR 545 Robotic Systems I (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)
CSE 593 Applied Project (3) or
CSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students are required to select one of the approved culminating experiences for the concentration.

A defense is required for the thesis option. The portfolio is a compilation of two projects that are finished in the required concentration courses. Students must write a portfolio report that includes the highlights of the two projects. The applied project is a written report and oral presentation on research related to the student's coursework and interests.

Students should see the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the graduate program committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should review the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency) for more details.

Students applying to the artificial intelligence concentration are expected to possess basic knowledge in key relevant areas, e.g., programming languages; discrete mathematics; data structures and algorithms; or similar topics. Indicative ASU courses include CSE 220 Programming for Computer Engineering or 240 Introduction to Programming Languages; MAT 243 Discrete Mathematical Structures or 300 Mathematical Structures; and CSE 310 Data Structures and Algorithms.

**Career Opportunities:** Graduates with a Master of Science in artificial intelligence are prepared for doctoral study and for industrial positions in numerous industries as varied as manufacturing, transportation, aerospace, defense and health care.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://ras.engineering.asu.edu/
CTRPT 105
SCAI.Grad.Admission@asu.edu
480-965-3199

## Robotics and Autonomous Systems (Biomedical Engineering), MS (ESRASBEMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Biomedical Engineering), MS
**Campus:** Polytechnic, Tempe

**Program Description:** The biomedical engineering concentration is one of five concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields. This concentration is appropriate for students who wish to focus on applications in biomedical engineering.

This is an advanced degree that emphasizes competency in the rapidly growing fields of robotics and autonomous systems and with applications in biomedical engineering and medicine.

Biomedical engineers work at the interface of technology and medicine on challenges that are critical to the advancement of health and scientific discovery.

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (BME 593).
Required Core (6 credit hours)
MAE 501 Linear Algebra in Engineering (3) or EGR 501 Applied Linear Algebra for Engineers (3)
MAE 547 Modeling and Control of Robots (3) or EGR 545 Robotic Systems I (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)
BME 593 Applied Project (3) or
BME 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students are required to select one of the approved culminating experiences for the concentration.

Students should see the academic unit for the approved concentration coursework as well as the available elective or research courses. Elective or research coursework must be selected from among the courses listed for the other concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the graduate program committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Graduates are prepared for doctoral study and for industrial positions in numerous and varied industries, such as manufacturing, transportation, aerospace, defense and health care.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Harrington Bioengineering Program
https://ras.engineering.asu.edu/
ECG 334
sbhse.advising@asu.edu
480-965-3028

## Robotics and Autonomous Systems (Electrical Engineering), MS (ESRASEEMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Electrical Engineering), MS
**Campus:** Tempe

**Program Description:** This advanced degree program emphasizes competency in the rapidly growing fields of robotics and autonomous systems. This concentration is appropriate for students who wish to focus on applications in electrical engineering.

The electrical engineering concentration is one of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields.

Students in this concentration receive a solid theoretical and practical background in a variety of topics that include theory, design and implementation of control systems; signal processing; real-time and embedded systems; computer vision; and machine learning. They are exposed to state-of-the-art and emerging theories and implementations related to sensing, data processing, adaptive control, automated mobility, autonomous systems, human-machine interaction and robotic applications in various domains including public safety, manufacturing, health care, automotive and assistive technologies.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Electrical Engineering, BSE
Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (EEE 593).
Required Core (6 credit hours)
MAE 501 Linear Algebra in Engineering (3) or EGR 501 Applied Linear Algebra for Engineers (3)
MAE 547 Modeling and Control of Robots (3) or EGR 545 Robotic Systems 1 (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)
EEE 593 Applied Project (3) or
EEE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students should refer to the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the Graduate Program Committee.

Students are required to select one of the approved culminating experiences for the concentration.

A defense is required for the thesis option.

The portfolio includes a poster presentation with content from courses taken in the program. Students must write a portfolio report that includes the highlights of the three projects.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- professional resume
- GRE scores (required if undergraduate program is not ABET-accredited)*
- proof of English proficiency

*International and domestic applicants are exempt from taking the GRE if they have earned a degree from an ABET-accredited program (https://www.abet.org/ (https://www.abet.org/)) from a U.S. or overseas institution and if they meet the minimum GPA required for admission. Students who do not meet these requirements are required to provide GRE scores.

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Analyze and apply key sensing, signal processing, and control theories and methods used in this field.
•Differentiate key concepts within electrical engineering, demonstrate their understanding of those concepts on their portfolio or thesis at the end of their program, and demonstrate the ability to critically think and synthesize information.
•Understand and apply skills needed in order to select and secure professional employment in an electrical engineering related field by practicing the skills they have learned in their courses and showing they have the ability to work successfully within the electrical engineering field applying concepts from their academic experience, synthesizing knowledge, self-assessment on the student's part, and teamwork/communication to address societal needs.

**Career Opportunities:** Graduates of the electrical engineering concentration of the Master of Science program in robotics and autonomous systems are prepared for doctoral study and for industrial positions in numerous and varied industries; some examples are manufacturing, transportation, aerospace, defense and health care.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ras.engineering.asu.edu/
GWC 209
AskEE@asu.edu
480-965-3424

## Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS (ESRASMAEMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS
**Campus:** Tempe

**Program Description:** The mechanical and aerospace engineering concentration is one of the concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields.

This concentration is appropriate for students who wish to focus on applications in mechanical or aerospace engineering.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aerospace Engineering (Aeronautics), BSE
Aerospace Engineering (Astronautics), BSE
Aerospace Engineering (Autonomous Vehicle Systems), BSE
Mechanical Engineering, BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (MAE 593).

Required Core (6 credit hours)
MAE 501 Linear Algebra in Engineering (3) or EGR 501 Applied Linear Algebra for Engineers (3)
MAE 547 Modeling and Control of Robots (3) or EGR 545 Robotic Systems I (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)
MAE 593 Applied Project (3) or
MAE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students are required to select from one of the available concentrations and one of the approved culminating experiences for the concentration.

A defense is required for the thesis option. The applied project requires a written report and an oral presentation. The portfolio includes a poster presentation with content from courses taken in the program. Students must write a portfolio report that includes the highlights of the three projects.

Students should see the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics or others approved by the graduate program committee. Three credit hours of internship may be included among the electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, science, mathematics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Robotics engineers are in high demand in various engineering specialty areas like manufacturing, mechanical, aerospace, biomedical-rehabilitation, autonomous vehicles, artificial intelligence and more. Skills in the design and control of robotic systems, artificial intelligence, machine learning and robot perception are valuable to consumer, automotive, aerospace and defense industries.

Career examples include:

- automation engineer
- machine learning and AI engineer
- robotics engineer
- systems engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School for Engineering of Matter,Transport & Enrgy
https://ras.engineering.asu.edu/
ECG 202
semtegrad@asu.edu
480-965-2335

## Robotics and Autonomous Systems (Systems Engineering), MS (ESRASSEMS)

**Online Degree Search Title:** Robotics and Autonomous Systems (Systems Engineering), MS

**Campus:** Polytechnic

**Program Description:** This is an advanced degree emphasizing system-level competency in the rapidly growing fields of robotics and autonomous systems.

The systems engineering concentration is one of four concentrations in the multidisciplinary MS program in robotics and autonomous systems, which emphasizes robotics, controls, autonomous systems, artificial intelligence and related fields.

This concentration is appropriate for students who wish to focus on applications in systems engineering.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Engineering (Automotive Systems), BSE
Engineering (Electrical Systems), BSE
Engineering (Mechanical Engineering Systems), BSE
Engineering (Robotics), BSE
Manufacturing Engineering, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (EGR 593).
Required Core (6 credit hours)
MAE 501 Linear Algebra in Engineering (3) or EGR 501 Applied Linear Algebra for Engineers (3)
MAE 547 Modeling and Control of Robots (3) or EGR 545 Robotic Systems I (3)

Concentration (6 credit hours)

Electives or Research (12-18 credit hours)

Culminating Experience (0-6 credit hours)
EGR 593 Applied Project (3) or
EGR 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students are required to select one of the approved culminating experiences for the concentration.

A defense is required for the thesis option. The applied project requires a written report and an oral presentation. The portfolio includes a summary of the graduate program and a report highlighting three projects from the program.

Students should see the academic unit for the approved concentration coursework as well as the available elective and research courses. Elective or research coursework must be selected from among the courses listed for the other three concentrations. Additional electives must be graduate courses in science, engineering, mathematics, or others approved by the graduate program committee. Three credit hours of internship may be included among the electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution, or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts from each college or university attended
- personal statement
- professional resume

- official GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Admission Services (https://admission.asu.edu/international/graduate/english-proficiency) website.

Global Launch (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission) at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email polygrad@asu.edu (mailto:polygrad@asu.edu) to request a waiver. Applicants can also submit a GRE waiver request form if they have five years of full-time applicable professional experience. An approved waiver does not guarantee admission.

**Career Opportunities:** Graduates are prepared for industry careers in positions such as:

- automation engineer
- controls engineer
- machine learning engineer
- robotics engineer
- systems engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Manufacturing Systems and Networks
https://msn.engineering.asu.edu/contact/
SANCA 331
msngrad@asu.edu
480-727-2097

## Semiconductor Processing (Certificate), Certificate (ESSCPRGRCT)

**Online Degree Search Title:** Semiconductor Processing (Graduate Certificate)
**Campus:** Tempe, Online

**Program Description:** This certificate program provides a series of courses in semiconductor processing, packaging and characterization that prepare students for careers in the industry or for graduate studies. Students select from a set of core courses and technical electives.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
EEE 530 Advanced Silicon Processing (3)
IEE 572 Design Engineering Experiments (3)
MSE 550 Advanced Materials Characterization (3)

Electives or Research (6 credit hours)

Additional Curriculum Information
Students should see the academic unit for available elective and research coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts

- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/semiconductor-processing-graduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with a semiconductor processing certificate can find employment with semiconductor device manufacturers and semiconductor processing equipment manufacturers at all levels. The skills learned in this program prepare graduates for a career as a practicing engineer.

Career examples include:

- development engineer
- process engineer
- product engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School for Engineering of Matter,Transport & Enrgy
https://semte.engineering.asu.edu/certificate-in-semiconductor-processing/
ECG 202
semtegrad@asu.edu
480-965-2335

## Sensor Signal and Information Processing (Certificate), Certificate (ESSSIPGRCT)

**Online Degree Search Title:** Sensor Signal and Information Processing (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate program in sensor signal and information processing provides background and application-oriented training in processing and interpreting signals acquired from sensors. The focus is on building knowledge and skills in several sensor network applications.

The program includes courses on signal and data processing for sensor systems. Course topics include digital signal processing, random signal theory, detection and estimation, sensor systems, big data and machine learning. The certificate may be completed with on-campus coursework and iCourses.

**Degree Requirements:**
16 credit hours.
Required Core (7 credit hours)
EEE 517 Sensors and Machine Learning (1)
EEE 554 Probability and Random Processes (3)
EEE 556 Detection and Estimation Theory (3) or EEE 606 Adaptive Signal Processing (3)

Electives (5 or 6 credit hours)

Other Requirements (3 or 4 credit hours)
EEE 509 DSP Algorithms and Software (3) or EEE 591 Seminar: Digital Signal Processing (4)

Additional Curriculum Information
For the required core, students choose either EEE 556 or EEE 606. Additionally, students complete either EEE 591 Seminar: Digital Signal Processing and five credit hours of electives, or EEE 509 and six credit hours of electives.

For electives, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in an engineering or a science discipline such as physics, mathematics or computer science from an accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Regular admission is granted to applicants who have at least a GPA of 3.00 or equivalent (scale is 4.00 = "A") and are competitive in the applicant pool. All prerequisites to the sensor signal and information processing certificate required courses must be in place (EEE 203 and EEE 350 from ASU, or signals and systems and random signals course equivalents from other universities).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Master the key concepts in the sensor and signal processing engineering fields at an advanced level.
- Master the key concepts in the signal processing and communication engineering field at an advanced level.

**Career Opportunities:** The certificate is a professional graduate program. The area of sensor information extraction and interpretation has various professional applications including in health, sustainability, media, communications and security.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Software Engineering, MS (TSSERMS)

**Online Degree Search Title:** Software Engineering, MS
**Campus:** Polytechnic

**Program Description:** The MS program in software engineering focuses on students' development of advanced knowledge and abilities in the design and application of software.

This unique Master of Science program involves the application of engineering principles to software development, including design methodologies, operation principles and maintenance and testing approaches. Students learn to solve issues through engaging projects, commonly as a member of a development team. The program develops students' professional skills in this discipline and provides opportunities for them to engage in and develop research abilities.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Software Engineering, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (SER 517).
Required Core (9 credit hours)
SER 501 Advanced Data Structures and Algorithms (3)
SER 502 Emerging Languages and Programming Paradigms (3)
SER 515 Foundations of Software Engineering (3)

Electives (15 or 18 credit hours)

Culminating Experience (3 or 6 credit hours)
SER 517 Software Factory I (3) or
SER 599 Thesis (6)

Additional Curriculum Information
Students should see the academic unit for a list of approved electives.

For the culminating experience, students have the choice of completing the capstone course (SER 517) or a thesis (SER 599). Completion of 30 credit hours of coursework is required for all culminating experience options.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely related field from a regionally accredited institution (or international equivalent).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE test scores
- personal statement
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. More information is available on the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 240 Introduction to Programming Languages
CSE 360 Introduction to Software Engineering
SER 222 Design and Analysis of Data Structures and Algorithms OR CSE 310 Data Structures and Algorithms
SER 334 Operating Systems and System Programming OR CSE 330 Operating Systems

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply engineering principles to software projects, including design methodologies, evolutionary development, and requirements-driven improvement. (Technical Competence)
- •Develop advanced knowledge and abilities in the design and application of software. (Design)
- •Demonstrate professionalism in engineering situations and apply software engineering perspective for producing quality software systems. (Professionalism and Perspective)

**Career Opportunities:** Graduates are able to design and engineer innovative systems that may include mechanical and electrical components that interact with software. They are prepared for advanced study in computing or in an allied field or to enter the computing profession, most commonly as an application software engineer.

According to the Bureau of Labor Statistics, software engineers are highly paid and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:

- creating applications for mobile devices
- creating web applications
- designing, creating and validating software for avionics, robotics and similar systems fields

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Software Engineering
https://scai.engineering.asu.edu/graduate-program-software-engineering/
PICHO 245
SCAI.Grad.Admission@asu.edu
480-965-3199

## Sustainable Engineering, MSE (ESSUEMSE)

**Online Degree Search Title:** Sustainable Engineering, MSE
**Campus:** Online

**Program Description:** The MSE in sustainable engineering is a multidisciplinary graduate program ideal for professionals and graduate-level students with engineering and physical science backgrounds who wish to design a flexible individualized plan of study.

Courses cover such sustainable engineering topic areas as energy systems and alternative energy production; water, transportation or earth systems engineering; industrial ecology; life cycle assessment; environmental technologies; green construction practices and sustainable technology systems.

The goal of sustainable engineering is to enable long-lasting improvement of the human condition. Sustainable engineering transcends traditional engineering education by integrating considerations of complex social, environmental, political and economic factors into engineering theory and practice in order to achieve more economically, technically, environmentally, institutionally and socially efficient and robust solutions.

**Degree Requirements:**
30 credit hours including the required applied project course (CEE 593) and a written comprehensive exam, or 30 credit hours, a thesis and a written comprehensive exam, or 30 credit hours, a written comprehensive exam and the required capstone course (CEE 588).
Required Core (12 credit hours)

Track (9 credit hours)

Electives (3 credit hours)

Culminating Experience (6 credit hours)

Additional Curriculum Information
Students complete nine credit hours in one selected track. Available track options are infrastructure systems, energy systems, and earth systems engineering and industrial ecology.

Students should see the academic unit for an approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or master's degree in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students with a degree in civil engineering, environmental engineering, construction engineering, mechanical engineering or with an engineering

degree other than these listed may be admitted, with deficiencies as identified by the sustainable engineering faculty. If the applicant does not have an undergraduate degree in any of these programs, additional requirements may be necessary based upon the applicant's background, including sufficient courses in mathematics that include calculus, differential equations and linear algebra. A faculty committee determines which required courses are needed on a case-by-case basis.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-engineering/) for program descriptions and to request more information.

**Career Opportunities:** Sustainable engineering graduates can pursue careers as sustainability consultants, sustainability managers, corporate social responsibility sustainability professionals and water engineering specialists, among others.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering & Built Envirnmt
https://ssebe.engineering.asu.edu/graduate/sustainable/
CAVC 437
Sebe.advising@asu.edu
480-965-0595

## Systems Engineering, PHD (ESSYSPHD)

**Online Degree Search Title:** Systems Engineering, PhD
**Campus:** Polytechnic

**Program Description:** The PhD in systems engineering is a transdisciplinary graduate program offered by the School of Manufacturing Systems and Networks.

The program is aimed at advancing the understanding of complex engineering systems and where these systems are inclusive of technological aspects, as well as social, cultural, environmental and other interacting components that impact the input, output and interactions within a system. The program prepares students to identify, model, analyze, interpret, optimize and manage the multidimensional interactions of the ever-increasing complexity of modern technological and societal challenges.

A typical incoming student in this doctoral program would have a master's degree in engineering or related discipline. The core curriculum provides the foundation for systems thinking, systems identification, systems modeling and systems design and analysis using diverse disciplinary methodological approaches. Students in this program use their capacity to evaluate complex systems and a depth of mathematical maturity to study problems for which complexity is impeding progress.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam and a dissertation.
Required Core (9 credit hours)
EGR 602 Principles of Independent Research (3)
EGR 608 Advanced Simulation (3)
EGR 611 Complex Engineering Systems (3)

Technical Electives (3 credit hours)

Electives and Research (60 credit hours)

Culminating Experience (12 credit hours)
EGR 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used toward this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework is made up of electives to reach the required 84 credit hours.

Students are required to take 12 credit hours of EGR 792 as part of their research coursework.

Elective coursework should be directly in support of the student's research as advised by the supervisory committee.

Students with a BS degree coming into the doctoral program in systems engineering must complete at least nine credit hours of approved mathematics courses after the completion of their bachelor's degree. Students select appropriate elective courses in consultation with the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in engineering from a regionally accredited institution, or if they have earned the equivalent of a US bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants without a master's degree in engineering or a closely related field must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A" in the last 60 hours of their first bachelor's degree program coupled with a record of research or leadership accomplishments (or both). Applicants with a master's degree in engineering or a closely related field must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree program. Exceptional undergraduates are encouraged to apply after completion of a BS degree.

All applicants must submit:
- graduate admission application and application fee
- official transcripts from each college or university attended
- two letters of recommendation
- GRE scores
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency). Global Launch (https://globallaunch.asu.edu/learn-english/asu-admission) at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

A GRE waiver may be requested if the applicant received a bachelor's degree in a related field from the United States with a cumulative GPA of 3.00 or better. Engineering programs must have a bachelor's degree from an ABET-accredited program. Applicants should email msngrad@asu.edu (mailto:msngrad@asu.edu) to request a waiver. An approved waiver does not guarantee admission.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

**Career Opportunities:** Graduates of the doctoral program in systems engineering are prepared for industry careers in areas such as:

- automotive systems
- energy systems, including alternative energy and grids
- manufacturing
- robotics

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Manufacturing Systems and Networks
https://msn.engineering.asu.edu/degrees/graduate/
SANCA 331
msngrad@asu.edu
480-727-2097

## Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)

**Online Degree Search Title:** Technology (Aviation Management and Human Factors), MSTech
**Campus:** Polytechnic

**Program Description:** The MSTech degree program offers a concentration in aviation management and human factors.

Students in this program are provided with professional skills and exposed to educational theory and practice for use in leadership positions within the aviation industry. Management and leadership positions at airports of all sizes require skills in labor management and policy, economics and analysis, national aerospace structure and aviation law, as well as an awareness of unmanned systems and flight operations. Those interested in the human systems and safety area find exceptional use of educational discussions on human performance and the human limitations and capabilities of working within a complex system.

Courses are offered at the Polytechnic campus, with some courses offered as iCourses.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aeronautical Management Technology (Air Traffic Management), BS
Aeronautical Management Technology (Air Transportation Management), BS
Aeronautical Management Technology (Professional Flight), BS
Aeronautical Management Technology (Unmanned Aerial Systems), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours and a portfolio, or 33 credit hours and a thesis, or 33 credit hours including the required applied project course (AMT 593).
Required Core (12 credit hours)

Restricted Electives (3-21 credit hours)

Human Factors Track Option (12 or 15 credit hours)

Aviation Management Track Option (12 or 15 credit hours)

Culminating Experience (0-6 credit hours)
AMT 593 Applied Project (3) or
AMT 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
The detailed design of the graduate student's program requirements with the selection of the required courses is the responsibility of the student along with the supervisory committee chair and committee members.

Students in this graduate program also have the opportunity to enroll in human systems engineering (prefix HSE) and technological entrepreneurship and management (prefix TEM) graduate courses. Students may focus their study on courses that best prepare them for their career or for the next step in their educational process.

Applied project students complete 15 credit hours (five track courses) and thesis students complete 12 credit hours (four track courses) selected in consultation with an advisor. In addition, three credit hours of AMT elective coursework are chosen in conjunction with the student's advisor or committee. Students who do not select a track complete 15 or 18 credit hours from the restricted electives list or other courses approved by the student's supervisory committee. All students in the aviation management and human factors concentration must take at least five AMT graduate courses.

The portfolio option demonstrates a high level of mastery of the principles and practice of aviation management and human factors through a compilation of work the student completes through the course of their graduate study. While the specific details depend on the student's specialization, all portfolios must describe three notable projects or academic accomplishments that illustrate the evolution and advancement of the student's technical expertise and mastery of the field of aviation management and human factors. The submission must include a written document that includes an overview of graduate experience and descriptions of projects presented in the portfolio.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:
- graduate admission application and application fee
- official transcript from each college or university attended
- personal statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Unofficial transcripts may be submitted at time of application. If admitted, applicants must then submit official transcripts to ASU Graduate Admission Services.

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

**Career Opportunities:** The program's focus is on preparing graduates for a career in the aviation industry, and it can serve as the foundation for further advanced study. Graduates of this program possess technical and professional skills for use in leadership positions in the aviation industry.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/advising/
SUTON 240
polygrad@asu.edu
480-727-1874

## Technology (Management of Technology), MSTech (TSMRMSTECH)

**Online Degree Search Title:** Technology (Management of Technology), MSTech
**Campus:** Polytechnic

**Program Description:** As the nature of work continues to change, the world needs new kinds of leaders who can balance the demands of business, technology and innovation. The MSTech program in technology was constructed for this purpose.

Students in this program develop a foundation in business and develop insights into the implications and impact of technology. The flexibility in course options allows students to gain new capabilities, and by integrating these disciplines they learn to transform industries.

Students also receive a foundation of leadership and managerial skills to complement their existing technical skills. The program then adds cutting-edge innovation strategy, data-driven decision-making, and entrepreneurial skills that companies need to have to compete in future economies.

Finally, students choose classes in their interests that mix hard and soft skills in critical areas of interdisciplinary data science; sustainable enterprises; social, entrepreneurial and disruptive innovation; enterprise logistics and operations; or advanced technologies such as smart manufacturing and engineering, artificial intelligence or blockchain technology industries.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Engineering (Automotive Systems), BSE
- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE
- Global Management, BGM
- International Trade, BS
- Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours and a portfolio, or 33 credit hours including the required applied project course (TMC 593).
It is expected that graduates of the program possess skills in research and the ability to apply these research skills in practice. To achieve this goal, each student is required to complete OMT 549 Research Techniques and Applications and either TMC 593 Applied Project or a portfolio.

Additionally, each student is required to select four courses from the following list: (12 credit hours)

OMT 503 Marketing Management (3)
OMT 504 Ethical Issues in Technology (3)
OMT 548 Statistical Methods for Research (3)
OMT 598 Special Topics (1-4)

TMC 584 Internship (1-3)

Graduate courses from other majors may be selected with approval from the student's graduate advisory committee; these additional courses are selected to support the student's individual career goals and perceived needs. To ensure that all courses taken fit into the plan of study, all students are expected to discuss their tentative plan with their program advisors prior to registering for their first class and they must have an approved plan of study on file by the completion of nine credit hours toward the degree.

Students without a statistics course at the undergraduate level are required to complete an appropriate course during the first semester in the program. This course is in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Students should contact the department for more information.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts from each college or university attended
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency) for more details.

Global Launch at ASU offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency. More information on the program is available on the Global Launch website (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission).

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education is considered.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrate the ability to analyze, design and implement solutions to management of technology problems through applied practice
- •Demonstrate an ability to communicate complex management of technology solutions effectively
- •Demonstrate ability to work as an integral team to identify, plan and execute technology-based projects

**Career Opportunities:** The Master of Science in Technology program with a concentration in management of technology is tailored to individual professional goals, ensuring that each graduate not only obtains basic leadership and management skills, but is ready to excel in an array of tech leadership roles. Program alumni currently work in fields such as:

- AI data analytics
- manufacturing
- marketing
- operations management
- product management
- project management
- QA
- startup founding

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Tech Entrepreneurship & Mgmt
https://poly.engineering.asu.edu/advising/
SUTON 240
polygrad@asu.edu

480-727-1874

# User Experience, MS (ESUSEXMS)

**Online Degree Search Title:** User Experience, MS
**Campus:** Polytechnic, Online

**Program Description:** The MS program in user experience addresses UX research, design, content development, communication, tone of voice and evaluation of all components and products with which end users interact.

Students learn how to research user needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered evaluation methods.

User experience skills are increasingly valued by industry because the combination of user-centered research, design, and communication helps graduates lead and contribute to teams that are constantly improving products and the lives of their users.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Graphic Information Technology (User Experience), BS
Human Systems Engineering (User Experience), BS
Technical Communication (User Experience), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core (15 credit hours)
GIT 540 Cross-Media Design Solutions (3)
HSE 542 Foundations of Human Systems Engineering (3)
TWC 501 Fundamentals of Technical Communication (3)
Choose two courses from the following:
GIT 542 Usability and User Experience (3)
HSE 521 Methods and Tools in Human Systems Engineering (3)
TWC 544 User Experience (3)

Electives or Research (15 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
Students should see the academic units for a complete list of approved electives and research courses. Other courses may be used with approval of the academic units.

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College, the Ira A. Fulton Schools of Engineering and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in related fields such as psychology, graphic information technology, graphic design, human systems engineering, business, cognitive science, design or technical communication from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- writing sample
- two letters of recommendation

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency). Global Launch at ASU (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission) offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/online-user-experience-masters/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Integrate appropriate user experience principles into UX design processes.
- •Apply user research methods to projects to uncover usability challenges.
- •Evaluate designs and contexts of use to identify problems and prototype approaches for the improving user experience.
- •Synthesize technical information into written and visual documentation for user experience projects.

**Career Opportunities:** Graduates with this degree possess the skills in research, analysis, design and communication to be UX professionals who effectively lead teams and collaborate with clients and technical personnel.

UX is a rapidly growing field. Graduates can typically expect to find jobs in the areas of:

- design research
- digital visualization design
- human-computer interaction
- human factors research
- interaction design
- interface design
- usability testing
- user experience
- user research

**Contact Information:**
Integrative Sciences and Arts, College of
Human Systems Engineering
https://poly.engineering.asu.edu/advising/
SUTON 240
polygrad@asu.edu
480-727-1874

# Global Futures, College of

## Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)

**Online Degree Search Title:** Applied Ethics (Biomedical and Health Ethics), MA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** Medicine is infused with moral values and is deeply embedded in a variety of social and cultural contexts which significantly determine the effectiveness of medical care in achieving healthy outcomes for patients and populations. The objective of the biomedical and health ethics concentration in the MA program in applied ethics is to integrate academic and clinical dimensions of moral issues with medical practice and biomedical research.

Students from a broad range of backgrounds are exposed to the internal and external logics of medicine, health care and biotechnology, and they will gain substantive understanding of ethical, cultural and societal issues in a variety of domains through coursework and other experiences. Students deliberate individually and collectively about a wide range of issues and problems in contemporary medicine and the history of medicine; develop advanced critical normative reasoning and judgment capacities; and cultivate effective communication skills for academic, clinical and policy contexts.

**Degree Requirements:**
30 credit hours including the required applied project course (AEP 593).
Required Core (3 credit hours)
AEP 501 Practical and Professional Ethics (3)

Concentration (3 credit hours)
BIO 516 Foundations of Bioethics (3)

Concentration Electives (18 credit hours)

Culminating Experience (6 credit hours)
AEP 593 Applied Project (6)

Additional Curriculum Information
Electives are related to the concentration study. Students must request approval from the chairperson of the degree program prior to selecting elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement of interest and qualification
- resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

GRE scores are not required.

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/
INTDSB 256
sfisgrad@asu.edu
480-727-9498

## Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)

**Online Degree Search Title:** Applied Ethics (Science,Tech and Ethics), MA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The science, technology and ethics concentration of the MA program in applied ethics and the professions focuses on the ethical issues that arise from the multiple challenges involved in balancing economic, technological, environmental, social and cultural development in a world increasingly affected by science and technology. It provides the student with a general background in ethics and ethical systems with an emphasis on ethical issues in science and technology. The program also exposes students to new challenges posed by rapidly evolving sociotechnical systems in such areas as:

- energy, environment and development
- genetic engineering and biotechnology
- information and communication technology
- nanotechnology
- risk assessment
- technology and security

**Degree Requirements:**

30 credit hours including the required applied project course (AEP 593).
Required Core (3 credit hours)
AEP 501 Practical and Professional Ethics (3)

Concentration (3 credit hours)
HSD 598 Topic: Science, Technology and Ethics (3)

Concentration Electives (18 credit hours)

Culminating Experience (6 credit hours)
AEP 593 Applied Project (6)

Additional Curriculum Information
Electives are related to the concentration study. Students must request approval from the chairperson of the degree program prior to selecting elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- personal statement of interest and qualification
- two letters of recommendation
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

GRE scores are not required.

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/
INTDSB 256
sfisgrad@asu.edu
480-727-9498

## Applied Mathematics for the Life & Social Sciences, PHD (LAAMLPHD)

**Online Degree Search Title:** Applied Mathematics for the Life and Social Sciences, PhD
**Campus:** Tempe

**Program Description:** The PhD program in applied mathematics for the life and social sciences focuses on the training needed for analyzing and more definitively answering questions about underlying patterns hidden within human health, behaviors and experiences, and for teaching others to do the same.

Under the transdisciplinary instruction of national experts from five different schools at Arizona State University, program participants learn new applications for tools such as agent-based models, evolutionary computing, geographical information systems, machine learning, multiobjective optimization, nonlinear dynamical systems and stochastic processes. In doing so, they unlock new revelations and categories for not just understanding the material, but also the need for scientists and professionals quantitatively trained in the life and social sciences.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
AML 610 Topics in Applied Mathematics for the Life and Social Sciences (3)
AML 612 Applied Mathematics for the Life and Social Sciences Modeling Seminar (3)

Other Requirements (15 credit hours)
ASM, AML or BIO: courses in evolution, ecology or social sciences (400 level or above) (3)*
one graduate-level course in biostatistics (3)*
one graduate-level School of Mathematical and Statistical Sciences course approved by graduate chair (3)
APM, AML, MAT 590 or 790 Reading and Conference (6)

*Substitution courses may be acceptable with approval of director.

Electives (39 credit hours)

Research (12 credit hours)
AML 592 or 792 Research (12)

Culminating Experience (12 credit hours)
AML 799 Dissertation (12)

Additional Curriculum Information
Electives must include six credit hours of life science and six credit hours of social sciences.

Once the 15 credit hour requirement in the Other Requirements section has been fulfilled, other courses from that category may be taken as electives.

Students must register for research credit (AML 592 or 792) supported by their participation in one of two summer programs, Mathematical and Theoretical Biology Institute or J. Bustoz Math-Science Honors Program, sponsored by the Simon A. Levin Mathematical, Computational and Modeling Sciences Center. Up to three credit hours of research per summer may be applied based on hours and level of participation with approval from the graduate chair and the summer program director.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives to reach the required 84 credit hours.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. A master's degree in the social sciences (e.g., anthropology, gender studies, geography, sociology), life sciences or related fields (e.g., biology, ecology, genomics), applied mathematics, mathematics or statistics is preferred.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants may submit an optional scholarly writing sample, not to exceed 30 double-spaced pages, to be included in their application materials.

Prior to admission, students should have completed, at the undergraduate junior or senior level, a minimum of the following:

- 15 credit hours of mathematics or statistics
- nine credit hours of life sciences and social sciences coursework at the senior or college graduate level
- no fewer than three credit hours each of life sciences and social sciences coursework

**Career Opportunities:** The need for scientists and professionals quantitatively trained in the life and social sciences is strong in Arizona and the nation. This degree's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent

training for future academics and professionals.

Graduates are prepared to enter the environmental, life, health, mathematical and social science fields. They possess the quantitative, scientific and analytical skills that are critical for professionals working in these areas.

This program creates entirely new opportunities, while building upon mathematical foundations and in-demand career paths long established in fields such as:

- bioinformatics
- computational sciences
- data mining
- ecology
- genomics
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science

**Contact Information:**
Global Futures, College of
School of Complex Adaptive Systems
https://scas.asu.edu
ECA 100
CASSgrad@asu.edu
480-727-0478

## Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)

**Online Degree Search Title:** Applied Math for the Life and Social Sciences (Complex Adaptive Sys Science), PhD
**Campus:** Tempe

**Program Description:** The PhD program in applied mathematics for the life and social sciences focuses on training researchers to analyze scientific questions at the intersection of the mathematical, life and social sciences. Graduates of the program make innovative and far-reaching scientific contributions that rely on the cutting-edge computational mathematical and modeling approaches.

This program focuses on producing quantitative scientists and applied mathematicians who conduct high-level transdisciplinary research. The program's faculty include mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University.

There is a high demand for first-rate scientists, researchers and faculty interested in meeting the challenges faced by communities in today's world. Institutional research and planning programs create the space and opportunity to address such challenges on a global scale. The health, environmental and natural resource challenges in Arizona and the nation are urgently in need of a large pool of researchers with these transdisciplinary skills.

There are three tracks a student can follow. Applied mathematics is a more in-depth focus on the tools applied to the life and social sciences, such as dynamical systems, computational and numerical methods, simulation and mathematical analysis. Life sciences focuses on understanding the tools for representing the structure and operation of complex biological and ecological processes. Social sciences focuses on understanding the tools for representing the structure and operation of complex social systems and processes.

By offering courses that enhance transdisciplinary exchanges and collaboration among the faculty and students interested in addressing questions of social relevance, the program builds upon foundations already established.

The complex adaptive systems science concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
AML 610 Topics in Applied Mathematics for the Life and Social Sciences (3)

AML 612 Applied Mathematics for the Life and Social Sciences Modeling Seminar (3)

Concentration Courses (6 credit hours)
ASM 570 Fundamentals of CAS Science (3) or BIO 570 Fundamentals of CAS Science (3)
Complex adaptive systems science approaches course (3)

Restricted Electives (12 credit hours)
biostatistics course (3)
numerical analysis course (3)
life sciences and social sciences (6)

Electives (36 credit hours)

Research (12 credit hours)
AML 592/792 Research (12)

Culminating Experience (12 credit hours)
AML 799 Dissertation (12)

Additional Curriculum Information
Students should see the academic unit for a complete list of complex adaptive systems sciences approaches courses required for the concentration.

For required research, other XXX 592/792 Research courses may be substituted with academic unit approval.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives to reach the required 84 credit hours.

Students entering the program without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctoral program.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. A master's degree in the social sciences (e.g., anthropology, sociology, gender studies or geography), life sciences or related fields (e.g., biology, genomics or ecology), applied mathematics, mathematics or statistics is preferred.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants may submit an optional scholarly writing sample, not to exceed 30 double-spaced pages, to be included in their application materials.

Prior to admission, students should have completed at the undergraduate junior or senior level a minimum of the following:
- 15 credit hours of mathematics or statistics
- nine credit hours of life sciences and social sciences coursework at the senior or college graduate level
- no fewer than three credit hours each of life sciences and social sciences coursework

**Career Opportunities:** The degree program in applied mathematics for the life and social sciences prepares students to enter the environmental,

life, health, mathematical and social science fields. Graduates of the program possess the quantitative, scientific and analytical skills that are critical for professionals working in these areas.

The need for scientists and professionals quantitatively trained in the life and social sciences is strong in Arizona and the nation. This degree's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals in industries including:

- bioinformatics
- computational sciences
- ecology
- genomics
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science fields

**Contact Information:**
Global Futures, College of
School of Complex Adaptive Systems
https://scas.asu.edu
ECA 100
CASSgrad@asu.edu
480-727-0478

## Biomimicry, MS (LABMYMS)

**Online Degree Search Title:** Biomimicry, MS
**Campus:** Online

**Program Description:** The MS program in biomimicry is offered in conjunction with The Biomimicry Center (http://biomimicry.asu.edu), in cooperation with Biomimicry 3.8, the internationally recognized leader in the field.

Biomimicry, the practice of emulating nature's strategies for human designs, empowers change agents passionate about a world mentored by life's genius to work toward innovative and sustainable solutions to pressing global challenges, exploring the way business is conducted, buildings and products are designed, governments operate, health care is provided, goods are manufactured and how future generations will be educated --- all inspired by nature's time-tested sustainable solutions developed over the last 3.8 billion years.

The program's curriculum focuses on this emerging field, with a sustainability emphasis. It is designed to prepare students to facilitate the practice of biomimicry across corporate, government, education and nongovernment organization sectors. In addition to core content and electives, students gain biomimicry experience in biome-based applications, business case studies, biological strategy research and in each participant's self-designed biomimicry project in the student's chosen career field.

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core (13 credit hours)
BMY 501 Essentials of Biomimicry (1)
BMY 502 Life's Principles (4)
BMY 503 Biology Taught Functionally (4)
BMY 504 Biomimicry Thinking (4)

Electives or Research (11 credit hours)

Other Requirements (6 credit hours; choose 3)
BMY 530 Virtual Design Lab Practicum (2)
BMY 580 Topic: BioBrainstorm Practicum (2)
BMY 580 Topic: Biomimicry Case Study Practicum (2)
BMY 580 Topic: Biomimicry Genius of Place Practicum (2)

Culminating Experience
portfolio

Additional Curriculum Information
For electives or research, students should contact the academic unit for the approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- questionnaire (to be filled out and uploaded)
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-biomimicry/) for program descriptions and to request more information.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning. More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/students/graduate-students).

The biomimicry program offers a unique global network of participants, with more than 30% of the student population being comprised of international students. In addition to multiple collaboration opportunities across the program with a diverse set of peers, one has the ability to custom design one or more of their practicum courses to include study abroad.

**Career Opportunities:** Training in biomimicry offers a toolkit of transferable skills that enhance work in any trade: commercial, industrial or government. Graduates engage and lead others within their organization by practicing and demonstrating world-class biomimicry. Opportunities include leading research groups focused on biomimicry thinking, developing in-house training and biomimicry tools for companies, becoming a biologist at the design table or directing sustainability efforts.

The knowledge and skills gained can also lead to initiating or transforming a consulting practice into the field of biomimicry. Biomimicry helps set professionals apart, brings about positive change, and complements or creates any career path.

As a transdisciplinary, transformative field, the unprecedented challenges the world faces today demand new thinking, perspectives, tools and solutions. Training in biomimicry uniquely positions one for careers and opportunities that don't yet exist but which the world is demanding.

From the School of Complex Adaptive System's 2021 alumni employment survey, 100% of biomimicry graduates that responded are employed or pursuing continuing education. Of those respondents employed, 64% have jobs directly related to biomimicry.

**Contact Information:**
Global Futures, College of
School of Complex Adaptive Systems
https://scas.asu.edu/degree-programs/graduate-programs/
NVS1240
BiomimicryGrad@asu.edu
480-727-0478

## Biomimicry (Certificate), Certificate (LABMYGRCT)

**Online Degree Search Title:** Biomimicry (Graduate Certificate)
**Campus:** Online

**Program Description:** The graduate certificate in biomimicry, the practice of emulating nature's strategies for human designs, is offered in conjunction with The Biomimicry Center (http://biomimicry.asu.edu) in cooperation with Biomimicry 3.8, the internationally recognized leader in the

field.

The program is designed to introduce and delve into the core fundamentals of biomimicry, such as Biomimicry Thinking and Life's Principles with the intention to apply the knowledge and tools to one's specific interests or discipline. It is best suited for individuals with an established career who wish to integrate biomimicry into that career. Participants have the opportunity to explore the application of these core fundamentals in their own discipline, field or area of interest during the biomimicry Virtual Design Lab as their culminating project.

Graduates have the ability to work toward innovative and sustainable solutions within their discipline, emulating nature's time-tested sustainable solutions evolved over the last 3.8 billion years.

**Degree Requirements:**
15 credit hours.
Required Core (13 credit hours)
BMY 501 Essentials of Biomimicry (1)
BMY 502 Life's Principles (4)
BMY 503 Biology Taught Functionally (4)
BMY 504 Biomimicry Thinking (4)

Other Requirement (2 credit hours)
BMY 530 Virtual Design Lab Practicum (2)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program

Applicants must submit the following:
- graduate admissions application and application fee
- official transcripts
- fill out and upload questionnaire
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-biomimicry/) for program descriptions and to request more information.

**Global Opportunities:**
Global Experience: The program offers a unique global network of participants, with more than 30% of the student population being comprised of international students. In addition to multiple collaboration opportunities across the program with a diverse set of peers, one has the ability to custom design one or more of their practicum courses to include study abroad. More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Professionals can help bring about positive change with the unique knowledge and skills they acquired through the biomimicry program.

The certificate enhances a graduate degree by defining a biomimicry specialty, increases career prospects, and helps professionals stand out in a sea of job applicants; it also expands existing professional experience. The certificate can complement any career path, whether it's in business, technology, science, education or government.

**Contact Information:**
Global Futures, College of
School of Complex Adaptive Systems
https://degrees.apps.asu.edu/masters-phd/major/ASU00/LABMYGRCT/biomimicry-graduate-certificate
NVS1240
BiomimicryGrad@asu.edu
480-727-0478

# Complex Adaptive Systems Science, PHD (GFCASPHD)

**Online Degree Search Title:** Complex Adaptive Systems Science, PhD
**Campus:** Tempe

**Program Description:** Complex adaptive system concepts and methods serve as a common language to fuse different intellectual disciplines, enabling the transdisciplinary collaborations needed to come to grips with current and future intellectual and societal challenges of this century. Rather than focus on specialized understanding of the characteristics of a limited suite of phenomena, as is common in most academic disciplines, the PhD program in complex adaptive systems science emphasizes the interconnections among phenomena comprising dynamic, evolving systems. Many of the systems most critical to human life and society can be studied and understood in this way: from cells to organisms to populations to ecosystems to societies to technologies. Graduates of this program will be fluent in the language, concepts and methods of complexity needed to apply this innovative and valuable approach to understanding and addressing challenges of the complexly coupled human and natural world in which all people live.

ASU is already an international leader in complex adaptive systems science, with a growing constellation of research centers, and now the first of its kind School of Complex Adaptive Systems. By broadly embedding an understanding of complex adaptive systems approaches into scientific practice, students in the program gain the potential to transform science and society --- furthering ASU's global leadership in this emerging academic discipline. Students in the program develop skills in theoretical foundations, modeling, problem solving and critical thinking. The program promotes the development and testing of robust theory with sophisticated methods in a wide array of research settings, grounded in concrete examples and applications to provide a deeper understanding of the nature and dynamics of complex adaptive systems.

**Degree Requirements:**
84 credit hours, an oral comprehensive exam, a written comprehensive exam, a prospectus and a dissertation..
Required Core (3 credit hours)
CAS 570 Fundamentals of CAS Science (3)

Focus Area (6 credit hours)

Electives (51 credit hours)

Research (12 credit hours)
CAS 792 Research (12)

Culminating Experience (12 credit hours)
CAS 799 Dissertation (12)

Additional Curriculum Information
Students select a focus area from either domain science, or transdisciplinary bridging:

Domain science: Students will enhance their complex adaptive systems education with in-depth training in a social, life or physical science, or engineering field. They are expected to be able to make significant contributions to their chosen domain science field from the perspective of complex adaptive systems science.

Transdisciplinary bridging: Students will enhance their complex adaptive systems education with advanced training in computer science and data science. The goal of this focus is to enable students to use a complex adaptive systems perspective and framework as a bridge to enable intellectual fusion across multiple disciplines by applying advanced knowledge of complex adaptive systems theory, data science and information technology.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution. The school encourages applicants with diverse educational backgrounds and experiences that are relevant to the school's core objectives.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- writing sample
- three letters of recommendation
- resume or curriculum vitae

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program, describe how completion of the degree will support the applicant's long-term career goals, and explain why the applicant is applying to the College of Global Futures and, more specifically, the doctoral program in complex adaptive systems science. The statement of intent should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

Applicants will need to provide a writing sample that demonstrates graduate or professional-level writing.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/students/graduate-students) is possible for graduate students. There are more than 50 program opportunities, with programs on every continent. Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentor-ship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

**Career Opportunities:** This program is the first of its kind in the U.S., and graduates will have multiple career opportunities. Complex adaptive systems science is an important part of solutions in fields such as sustainability, social and ecological sciences, life sciences, biomedical sciences, geophysical sciences and computer science. It is equally foundational for understanding risk and security.

**Contact Information:**
Global Futures, College of
School of Complex Adaptive Systems
https://scas.asu.edu/degree-programs/graduate-programs/
ECA A101
complexity@asu.edu
480-727-9746

## Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)

**Online Degree Search Title:** Complex Adaptive Systems Science (Graduate Certificate)
**Campus:** Downtown Phoenix, Polytechnic, Tempe

**Program Description:** Complex adaptive systems science is the study of interactive and dynamic systems that change over time, producing their own emergent properties. The complex adaptive systems science graduate certificate can be pursued along with any doctoral degree program at Arizona State University. Students in the certificate program pursue their chosen field of study while addressing complex global challenges.

Complex adaptive system concepts and methods provide a common language that enable the interdisciplinary collaborations required for coming to grips with the intellectual and societal challenges of today's world. The program trains the next generation of scientists in advanced concepts and methods that are necessary for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give science better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Students pursuing the certificate must have a complex adaptive systems science faculty member on their supervisory committee.

**Degree Requirements:**
15 credit hours.
Required Core (12 credit hours)

Electives (3 credit hours)

Additional Curriculum Information
Students should contact the academic unit about appropriate coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they are either enrolled in or accepted into an ASU doctoral degree program and they must be in

good standing within the program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admissions application and application fee
- official transcripts
- statement of intent
- letter of support from an ASU faculty member (for existing ASU students) or other faculty member (for incoming students)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** A complex systems approach to the program means graduates possess the ability to understand the interconnections within and between technological, economic, societal, biomedical and environmental systems and have developed cutting-edge digital skills like modeling and network science. This gives them an edge in diverse careers in science, technology and data analytics, especially compared with peers in their field of study who lack such expertise.

Graduates who hold this certificate can apply the skills learned to any field or profession, although advanced degrees or certifications may be required. Career area examples include:

- business intelligence analytics
- consulting
- corporate social responsibility and sustainability
- data and microsystem engineering
- data science
- education
- military intelligence systems
- nongovernmental and nonprofit organizations
- policymaking in government and regulatory agencies
- research and development

**Contact Information:**
Global Futures, College of
School of Complex Adaptive Systems
https://scas.asu.edu/degree-programs/undergraduate-certificates/
ECA 1st floor
CASSgrad@asu.edu
480-727-0478

## Complex Systems Science, MS (GFCMPXSSMS)

**Online Degree Search Title:** Complex Systems Science, MS
**Campus:** Tempe, Online

**Program Description:** Most systems are complex. This means that through the interaction between their parts these systems exhibit emergent properties and unintended consequences.

The curriculum in the MS program in complex systems science focuses on developing skills in theoretical foundations, modeling, problem solving, critical thinking, and the importance of direct experience through research or related activities. Complex systems science students cultivate the ability to approach complex problems through analysis and modeling and by identifying issues, asking questions and collaborating with others to create effective solutions.

Graduates in complex systems science can apply their skills to a large number of areas and in many professions where they can make a difference through innovative and creative methods. Knowledge and skills gained in the program include:

- domain knowledge in areas such as strategy, economics, marketing, communications and public relations, talent development and human resources, research and design, and product development
- human skills such as critical thinking, creativity, analytical reasoning, communication and collaboration

• business enabler skills such as project management, decision-making, visualization and data communication
• digital building block skills such as artificial intelligence and data analytics, big data and data management, software development and information security

**Degree Requirements:**
30 credit hours including the required applied project course (CAS 593).
Required Core (15 credit hours)
CAS 501 Fundamentals of Complex Systems Science: Evolution (3)
CAS 502 Fundamentals of Complex Systems Science: Computation (3)
CAS 503 Fundamentals of Complex Systems Science: Collectives (3)

Choose two from the following:
CAS 520 Agent Based Modeling (3)
CAS 521 Methods for Complex Systems Science: Network Analysis (3)
CAS 522 Methods for Complex Systems Science: Dynamical Systems (3)
CAS 523 Methods for Complex Systems Science: Statistics and Dimensionality Reduction (3)

Electives (9 credit hours)

Culminating Experience (6 credit hours)
CAS 593 Applied Project (6)

Additional Curriculum Information
The applied project is a modeling and research project in any of the applied or foundational areas of complex systems science. Students define this project with a faculty mentor and apply a selection of methods covered in the methods courses to a dataset. The applied project also involves the creation of a portfolio of student accomplishments.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a STEM field, economics, social sciences, humanities or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
• graduate admission application and application fee
• official transcripts
• two letters of recommendation
• written statement
• professional resume
• proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/complex-system-science-masters/) for program descriptions and to request more information.

**Career Opportunities:** Complex adaptive system concepts and methods serve as bridges between disciplines, providing a common language that enable the interdisciplinary collaborations necessary for coming to grips with the intellectual and societal challenges of the 21st century.

A complex systems approach gives graduates the ability to understand the interconnections within and between technological, economic, societal, biomedical, and environmental systems. It gives graduates cutting edge digital skills like modeling and network science. Graduates are fluent in the language of complexity and have a solid foundation in the domain knowledge of existing academic disciplines. This will give them an edge in diverse careers in science, technology, and data analytics, especially compared with peers in their field of study who lack such expertise.

Career examples include:

• business intelligence analytics and data science
• consulting
• corporate social responsibility and sustainability

- data and microsystem engineering
- education
- environmental systems
- natural or health science management
- nongovernmental and nonprofit organizations
- policy making in government and regulatory agencies
- research and development

**Contact Information:**
Global Futures, College of
School of Complex Adaptive Systems
https://scas.asu.edu/degree-programs/graduate-programs/master-of-science-in-complex-systems-science/
ECA 110
CASSgrad@asu.edu
480-727-0478

## Energy and Sustainability (certificate), Certificate (SUERGSGRCT)

**Online Degree Search Title:** Energy and Sustainability (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The global energy system is a complex socio-technical system. Leaders in sustainable energy must have a transdisciplinary perspective that combines technical, economic, social and policy dimensions of energy systems. The certificate in energy and sustainability is designed to train students from diverse educational backgrounds who are in graduate-level energy-related fields to see beyond the boundaries of traditional methodologies and disciplinary viewpoints, enabling them to integrate technological knowledge with societal insights.

Graduates of the program have a basic understanding of sustainable energy technology and systems, including social dimensions such as markets and policies. They understand energy transitions as a dynamic socio-technical process, and they are able to perform analyses of energy generation, consumption and costs, and how these metrics can be utilized in policy discussions.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
SOS 572 Sustainable Energy Transitions (3)
SOS 574 Data Analytics for Sustainable Energy (3)

Electives (9 credit hours)
technical fundamentals of energy systems elective (3)
policy and governance of energy systems elective (3)
restricted elective (3)

Additional Curriculum Information
Students should contact the academic unit for the most recent approved elective coursework. Other coursework may be used with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** Future energy challenges will be addressed by leaders who understand the complexity and dynamics of global energy systems and can communicate with diverse stakeholders to implement adaptive solutions. Graduates with this certificate are competitive for employment opportunities in academia, industry or government.

Career examples include:

- policy analyst
- project manager
- regulatory affairs specialist
- renewable energy engineer
- strategy consultant

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/certificates/
WCPH 3rd floor
SustainabilityGrad@asu.edu
480-727-6963

## Environmental and Sustainability Economics (Certificate), Certificate (SUESECGRCT)

**Online Degree Search Title:** Environmental and Sustainability Economics (Graduate Certificate)
**Campus:** Downtown Phoenix, Polytechnic, Tempe

**Program Description:** The graduate certificate program in environmental and sustainability economics provides training in the economic theory and quantitative modeling tools of environmental and resource economics. Environmental and resource economics provides an approach for evaluating the consequences, social benefits and costs of changes to markets and environmental policies.

Prospective students for this certificate include current master's and doctoral students in fields with a sustainability, environmental science or policy focus --- including sustainability, public affairs, biology, environmental social science, applied mathematics and agribusiness --- in which training in environmental and resource economics may be complementary to research interests or career development. To pursue this certificate, students must be concurrently enrolled in a graduate degree-granting program.

Graduates of the certificate program are able to identify and evaluate the economic assumptions embedded in policy analyses and recommendations. They are also able to critically evaluate the validity of publications in environmental and resource economics; apply economic modeling approaches to real-world cases; utilize econometric techniques to evaluate causal claims and generate predictions; and test hypotheses using applied economic models.

**Degree Requirements:**
17 credit hours.
Required Core (5 credit hours)
SOS 512 Environmental and Resource Economics (3)
SOS 529 Research Seminar in Environmental and Sustainability Economics (2)

Electives (12 credit hours)

Additional Curriculum Information
Students choose one elective course in each of the following categories: microeconomic theory, statistical and econometric modeling, environmental and resource economics, and modeling and empirical methods.

Students should see the academic unit for a list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

There is no prerequisite coursework; however, it is strongly recommended that students have at least one semester of calculus or the equivalent such as MAT 251 Calculus for Life Sciences, MAT 265 Calculus for Engineers or SOS 211 Calculus and Probability.

**Career Opportunities:** Professionals with expertise in environmental and resource economics are in demand across sectors and industries, including business, sustainability, government, biology and applied mathematics.

Career examples include:

- chief sustainability officer
- economist
- environmental economist
- environmental engineer
- environmental protection specialist
- environmental restoration planner
- health sciences manager
- postsecondary environmental sciences professor
- sustainability specialist
- urban planner

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/certificates/environmental-and-sustainablity-economics-certificate/
WCPH 300
SustainabilityGrad@asu.edu
480-727-6963

## Food Policy and Sustainability Leadership (certificate), Certificate (SUFPSLGRCT)

**Online Degree Search Title:** Food Policy and Sustainability Leadership (Graduate Certificate)
**Campus:** Tempe, Online

**Program Description:** The certificate program in food policy and sustainability leadership trains students in food policy, from understanding policymaking to developing specific, master-level skills that allow them to effectively navigate legislative, budgetary and administrative governmental processes. This empowers students to grapple with real-life food system complexities and become effective agents of change.

Students are exposed to contemporary food policy issues and are required to choose a food policy issue in which, with faculty assistance, they become an expert. Students participate in research projects and professional presentations that contribute to food policy knowledge among sustainable food system advocates.

This certificate program allows students to self-schedule work, with the exception of weekly calls with their professor; the program also requires students to spend a week meeting with food producers in Arizona and a week meeting with policymakers in Washington, D.C.

**Degree Requirements:**
15 credit hours including the required capstone course (SFS 565).
Required Core (12 credit hours)
SFS 560 Tools and Tactics for Food Policy Change (3)
SFS 561 Food and Farm Immersion Experience (2)
SFS 562 Managing Natural Resources for Food Production (3)
SFS 563 Applied Food Policy Immersion Experience (2)
SFS 564 American Agriculture in the Global Context (2)

Culminating Experience (3 credit hours)
SFS 565 Organizational Leadership (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume
- personal statement
- interview (in-person or virtual)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The personal statement should not exceed 1,500 words, and it should describe a food policy issue of interest to the applicant and why the applicant thinks that engaging in policy is important as it relates to this issue.

Applicants should also have a minimum of two years of professional or organizational experience in food and agriculture.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/sustainable-food/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of this program can pair the certificate with a variety of graduate degrees to enhance their expertise and career prospects for work in government, public health organizations, food companies or educational institutions.

Career examples include:

- agricultural consultant
- education coordinator
- food policy analyst
- food resource manager
- lobbyist
- nonprofit advocate
- sustainability manager

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/
WCPH 300LT
FoodSystemsGrad@asu.edu
480-727-6963

## Futures and Design, MS (GFFDMS)

**Online Degree Search Title:** Futures and Design, MS
**Campus:** ASU at Mesa City Center

**Program Description:** The MS program in futures and design combines future-focused theories and practices, including speculative design, science fiction and foresight studies, to investigate and craft alternative futures. Students learn a range of future-oriented theories and methods used today by organizations --- and invent the theories and methods of tomorrow. Students explore a variety of epistemological perspectives and experiential processes to systematically define complex problems and explore robust strategies of change. In doing so, they diversify their critical thinking and problem-solving skills.

Drawing from social theory, innovation studies and design science, the program develops students' capacity to envision new futures across scales

of complexity, including objects, platforms, services, organizations and systems. Students work in transdisciplinary teams with real-world partners from industry and the community to produce compelling visions of that future in diverse media.

The Master of Science in futures and design is offered by the transdisciplinary School for the Future of Innovation in Society.

**Degree Requirements:**
33 credit hours including the required applied project course (HSD 593).
Required Core (15 credit hours)
HDA 581 Emerging Media Colloquium (3)
HSD 550 Prototyping Futures (3)
HSD 551 Future-Focused Research Methods (3)
HSD 552 Worldbuilding and Imagination (3)
HSD 555 Strategic Design Futures (3)

Electives (9 credit hours)

Other Requirements (3 credit hours)
DSC 584 Internship (3)
DSC 590 Reading and Conference (3)
DSC 592 Research (3)
HDA 580 Practicum (3)
HSD 584 Internship (3)
HSD 590 Reading and Conference (3)
HSD 592 Research (3)

Culminating Experience (6 credit hours)
HSD 593 Applied Project (6)

Additional Curriculum Information
Students take the one credit hour course HDA 581 Emerging Media Colloquium three times to attain a total of three credits for the course.

**Admission Requirements:** Applicants must fulfill the requirement of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** There is an increasing demand for professionals who are trained in navigating uncertainty, design thinking and strategically coping with disruptive change --- key skills that graduates of this program are equipped with. In fact, Bain and Associates found that over half the Fortune 500 companies use scenario planning, one of the core methods covered in the program. Harvard Business School has identified anticipation as an essential skill of a strategic leader.

Some career examples include:

- director of futures strategy
- futurist
- global trends manager
- growth strategist
- ideation leader
- issues manager
- principal foresight researcher

- strategic planner

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu
INTDSB 256
MIXStudents@asu.edu
480-727-8787

## Global Development and Innovation (Certificate), Certificate (FIGDIGRCT)

**Online Degree Search Title:** Global Development and Innovation (Graduate Certificate)
**Campus:** Tempe, Online

**Program Description:** The graduate certificate program in global development and innovation responds to the knowledge and skills gap that development practitioners around the world often struggle with. It provides current and critical perspectives as well as analytical and practical skills for addressing some of today's most pressing global challenges, including inequality, sustainability and poverty.

Graduates will have acquired an understanding of the main debates in global development and will be able to engage in informed and critical ways with professionals from a range of development backgrounds to challenge development orthodoxies. They will have learned how to approach development problems with creativity and confidence and with the ability to work collaboratively on addressing some of today's most pressing global challenges, including inequality and sustainability.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
GTD 511 Development Policy and Practices (3)

Electives (12 credit hours)

Additional Curriculum Information
Students complete 12 credit hours of electives: six credit hours of courses focused on global development and six credit hours of other elective courses that are relevant to the certificate. No more than three one-credit courses may count toward the 12. The electives can change over time as needed, with unit director approval. For a current and complete list of approved electives, students should see the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution or the equivalent from an international institution that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- personal statement
- resume
- official transcripts
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Acceptable proof consists of a TOEFL iBT score of at least 80, an IELTS overall band score of at least 6.5 with no band below 6.0, or a Pearson Test of English score of at least 60. The most current requirements are available on the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

International students who need an F1 or J1 visa first need to apply to and be accepted into a master's degree or doctoral degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/global-development-and-innovation-graduate-certificate/) for

program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Identify and analyze competing theories and practices on global development and innovation.
- •Communicate global development policies, the practice of development, and actual outcomes.

**Career Opportunities:** This certificate program may be paired with other graduate degrees, enabling graduates to pursue a variety of careers. Professionals with an understanding of the main debates in development are in high demand across a wide range of global development agencies, including nongovernmental organizations, civil society, foundations, industries and philanthropic organizations.

Career examples include:

- data analyst
- development planner
- development program associate
- development field researcher
- gender specialist in nongovernmental organizations
- organizational consultant
- organizational development specialist
- poverty analyst
- social entrepreneur

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/grad-cert/gdi/
INTDSB 256
sfisgrad@asu.edu
480-965-6584

## Global Sustainability Science, MS (SUGSUSSMS)

**Online Degree Search Title:** Global Sustainability Science, MS
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MS in global sustainability science is a two-year collaborative degree program offered jointly by Arizona State University and Leuphana University of Luneburg, Germany. Students who participate in the program earn a Master of Science in global sustainability science from ASU and a Master of Science in global sustainability science from Leuphana University.

Students from both universities collaborate throughout the program and spend one semester together at Leuphana in Luneburg as well as one semester together at ASU in Tempe, Arizona. The program culminates with a capstone project resulting in a publishable scientific journal article. Students have the opportunity to engage with sustainability problems and solutions in an international setting.

The program focuses on value-oriented and transformational aspects of sustainability, linking research with practical implementation of sustainability solutions. Project-based learning offers students opportunities to conduct their research on real-world sustainability solutions in collaboration with stakeholders and professionals. In addition, the program facilitates intercultural collaboration, which prepares graduates for working in internationally operating institutions and organizations.

**Degree Requirements:**
41 credit hours including the required capstone course (SOS 596).
Required Core (17 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 511 Advanced Sustainability Problem Solving (3)
SOS 525 Social-Ecological-Technical Systems (SETS): Domains and Interfaces (3)
SOS 557 Global Sustainability Research Preparation (1)
SOS 558 Global Sustainability Research Project (3)
SOS 559 Global Sustainability Science Perspectives Seminar (1)
SOS 581 Synthesis for Sustainability Research (3)

Methods Elective (3 credit hours)

Open Electives (15 credit hours)

Culminating Experience (6 credit hours)
SOS 596 Capstone: Scientific Paper (6)

Additional Curriculum Information
Students should see the academic unit for elective coursework approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants not meeting the minimum GPA requirement may still be considered, although the college will require a GPA petition

References should be from educators (this is preferred) or professionals familiar with the applicant's experience and capability for graduate work. It is highly recommended that the recommendations are academic in nature and address the applicant's experience and potential for success in a graduate program; however, professional recommendations also are accepted. If possible, at least one recommendation should be academic in nature.

All applicants must upload a statement of intent when completing the online application. In no more than 600 words, applicants must explain the goals they intend to achieve through their program of study at the College of Global Futures. Applicants should describe how their background will contribute to their success in the program and how completion of the degree program will support their long-term career goals. Finally, applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their program of study and identify potential faculty advisors

GRE scores are required but may be waived for students already enrolled at Leuphana University of Luneburg.

**Global Opportunities:**
Global Degree: With a global degree program, students have the opportunity to receive their ASU degree in partnership with an international institution. Students and faculty can create and share knowledge, combining two institutions' strengths in research and teaching to solve pressing global and societal challenges. Global degree programs also give students exposure to international academic experiences and content. Students should contact the academic unit directly for more information about this global degree program.

**Career Opportunities:** Completing a master's degree in global sustainability science can help graduates apply sustainable solutions in a diverse workforce both domestic and internationally. Graduates of the program often enter doctoral studies immediately after completing the program.

According to the School of Sustainability's 2021 alumni employment survey, 94% of master's degree program respondents are either employed or pursuing continuing education. Of those employed, 75% of respondents have jobs directly related to sustainability.

Career opportunities include:

- entrepreneur
- field director
- program manager
- sustainability analyst

**Contact Information:**
Global Futures, College of
School of Sustainability

https://schoolofsustainability.asu.edu/degrees-programs/graduate/
WGHL 108
sustainabilitygrad@asu.edu
480-727-6963

## Global Technology and Development, MS (LSGTDMS)

**Online Degree Search Title:** Global Technology and Development, MS
**Campus:** Tempe, Online

**Program Description:** The MS in global technology and development is a program in international development that examines social, economic and political development and is concerned with the global disparity in wealth and access to resources between and among countries around the world.

Global in scope, the program highlights the variables of technology and innovation in these development dynamics with explicit goals to seek equity, justice and ease human suffering. The program offers an interdisciplinary social science curriculum and trains students with diverse undergraduate degrees, backgrounds and experiences.

Students have the opportunity to pursue a customized program to address social, economic and political problems anywhere in the world. Through a wide variety of theoretical, research, policy and special topics courses, students are prepared to finish the degree program with an applied project of their choosing that explores theoretical aspects of global development or applied solutions for impact.

Learning outcomes and skills include research, writing, analysis, and the ability to understand the complexity of diverse cultural, social and political contexts. These in-demand skills and abilities transfer to a myriad of career pathways.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Innovation in Society, BA
- Innovation in Society, BS
- Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (GTD 593).
Required Core (3 credit hours)
GTD 511 Development Policies and Practices (3)

Other Requirements (12 credit hours)
GTD 501 Global Technology and Development (3)
GTD 503 Technology and the International Political System (3)
GTD 505 Social Science Inquiry for Global Development (3)
GTD 506 Applied Project Methods in Global Development (3)

Restricted Electives (12 credit hours)

Culminating Experience (3 credit hours)
GTD 593 Applied Project (3)

Additional Curriculum Information
For the approved electives course list, students should contact the academic unit. Other requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited college or university recognized by ASU in a related field such as political science, international relations, sociology, anthropology, economics, business, education, technology, engineering, life sciences, foreign languages or literature (i.e., topics related to global development, culture or socioeconomic institutions).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- resume
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. A TOEFL score is required. Applicants should visit the admission services website (https://admission.asu.edu/international/graduate/english-proficiency) for more information.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-global-technology-development/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Identify, articulate and critique main theories of global technology and development.
- Identify a current problem in global development, and create relevant and focused research questions, followed by a research design, and completed research or applied solution.
- Identify current priorities in global development, and critique how discourse, institutions and policies shape development outcomes.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent. Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education website (https://goglobal.asu.edu/students/graduate-students) and the College of Global Futures study abroad webpage (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/).

**Career Opportunities:** Graduates of the global technology and development program pursue impactful and rewarding careers in international development, across all sectors and in all types of entities: government agencies, nongovernmental organizations, nonprofits, educational institutions, private businesses and corporations.

From the School for the Future of Innovation in Society's 2021 alumni employment survey, 100% of master's degree program respondents are either employed or pursuing continuing education. Of those respondents employed, 62% have jobs directly related to their degree.

Career examples include:

- analyst (research, project, technical, data)
- consultant (fundraising, marketing, information technology)
- coordinator (environmental, health, safety, operations)
- educator (instructional design, teacher, instructor)
- manager (product, project, security, business, program, information technology)
- project lead (humanitarian missions, ICT4D projects, smart city initiatives)
- researcher (higher education, government, nonprofit)

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/masters-programs/gtd/
ISTBX 3rd floor
sfisgrad@asu.edu
480-965-6584

## Global Technology and Development (Applied International Development), MS (FIGTDAIDMS)

**Online Degree Search Title:** Global Technology and Development (Applied International Development), MS
**Campus:** Online
This program is no longer offering the business specialization option.
**Program Description:** The MS in global technology and development with a concentration in applied international development is a program focused on policies and practices in the development field and includes specializations provided by other units across the university.

The program offers an interdisciplinary social science curriculum and trains students with diverse undergraduate degrees, backgrounds and experiences. Highly customizable, the program allows professionals at any stage of their career to develop and enhance their skills in planning, management, analysis and evaluation in development practice.

Students select an area to specialize in, such as education, sustainability, health, management, public policy or community development, where they can directly apply their knowledge to a relevant sector. Learning outcomes emphasize the utilization of skills and experience that students already possess, and enhanced abilities in analysis, critical thinking and the application of knowledge to development-related challenges. Through a wide variety of research, policy and special topics courses, students are prepared to finish the degree program with an applied project of their choosing that explores a critical aspect of global development and an applied solution for impact.

**Degree Requirements:**
30 credit hours including the required applied project course (GTD 593).
Required Core (3 credit hours)
GTD 511 Development Policy and Practices (3)

Concentration (9 credit hours)
GTD 501 Global Technology and Development (3)
GTD 503 Technology and the International Political System (3)
GTD 504 Technology and Development in Zones of Conflict (3)
GTD 505 Social Science Inquiry for Global Development (3)
GTD 506 Applied Project Methods in Global Development (3)
GTD 508 Technology and Development in Latin America (3)
NLM 520 Financial and Resource Management (3)
NLM 530 Program Evaluation and Information Management (3)

Specialization Electives (15 credit hours)

Culminating Experience (3 credit hours)
GTD 593 Applied Project (3)

Additional Curriculum Information
Students select three courses from the concentration list for a total of nine credit hours.

Students may take elective courses in an area of interest from a variety of ASU Online academic programs such as business, management, education, community development and health. Students should see the academic unit for available specializations and approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in global development, education, business, health, management, community development or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- two letters of recommendation
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

A personal statement of purpose of one to two pages is required for admission as well as two letters of recommendation, either academic or professional. While the GRE is not required, the statement of purpose is a significant factor in the application process, and it should address the background and capabilities of the applicant as well as the applicant's interest in the program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/global-technology-development-applied-international-development-ms/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Identify, and critique global technology and development concepts and current challenges.
- •Identify and articulate a current problem in global development and create relevant and focused applied research project or an applied solution.
- •Identify current priorities in global development, and critique how discourse, institutions and policies shape development outcomes.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education website (https://goglobal.asu.edu/students/graduate-students).

**Career Opportunities:** From the School for the Future of Innovation in Society's 2021 alumni employment survey, 100% of master's degree program respondents are either employed or pursuing continuing education. Of those respondents employed, 62% have jobs directly related to their degree.

Graduates pursue impactful and rewarding careers in international development across all sectors, working for government agencies, non-governmental organizations nonprofits, educational institutions, private businesses and corporations. Students learn skills that include research, writing, analysis and the ability to understand the complexity of diverse cultural, social and political contexts. These skills and abilities transfer to a myriad of career pathways, since they are in demand from organizations across industries.

Career examples include:

- analyst (research, project, technical, data)
- consultant (fundraising, marketing, information technology)
- coordinator (environmental, health, safety, operations)
- educator (instructional design, teacher, instructor)
- manager (product, project, security, business, program, information technology)
- project lead (humanitarian missions, ICT4D projects, smart city initiatives)
- researcher (higher education, government, nonprofit)

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/masters-programs/gtd-aid/info/
INTDSB 256
sfisgrad@asu.edu
480-965-6584

## Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)

**Online Degree Search Title:** Human and Social Dimensions of Science and Technology, PhD
**Campus:** Tempe

**Program Description:** The PhD program in human and social dimensions of science and technology is an intellectually rigorous program with problem-oriented research. It prepares students to teach and conduct research using humanistic and social science methods on the social, historical, philosophical and policy foundations of science and technology as well as on their current and future interactions with society.

The curriculum responds to growing demand for transdisciplinary research in the humanities, information sciences and social sciences that can provide insights into the dynamic relationship between science, technology and society.

The program is flexible, combining a strong, integrated, first-year experience with substantial freedom for students who, in conjunction with their advisors, design carefully crafted plans of study relevant to their own areas of specialization and expertise. Unique among programs of this kind in

the nation, students also learn to communicate and work with scientists, engineers, policymakers, business and community officials, or the public in conducting and applying research.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (8 credit hours)
HSD 601 HSD I: Human Dimensions of Science and Technology (4)
HSD 602 HSD II: Science, Power and Politics (4)

Electives and Research (64 credit hours)

Culminating Experience (12 credit hours)
HSD 799 Dissertation (12)

Additional Curriculum Information
This is a research degree, culminating in a dissertation, which must draw on multiple disciplinary perspectives.

Students may apply up to 30 credit hours from a prior master's degree toward the total hour requirement, upon approval of the steering committee. Each student, with his or her supervisory committee, develops a unique plan of study, which the student's supervisory committee approves.

Each student completes a yearlong core seminar, a second-year research project, two major fields, one minor field, methods training, electives and research. Students also regularly attend the program colloquia. There are no foreign language or statistics requirements, except as needed for a particular student's selected dissertation project.

Comprehensive Examination
The written dissertation prospectus and its oral defense constitute the written and oral comprehensive examinations required by the Graduate College for advancement to candidacy. Each student develops a written dissertation prospectus, including a bibliography and discussion of relevant research skills. The student makes an oral defense of the dissertation prospectus to his or her supervisory committee, which must approve the prospectus. Students normally complete the dissertation prospectus and its defense in the fifth semester.

Dissertation
The dissertation represents an original body of research that contributes to existing knowledge in a significant way.

Final Examination
Upon completing the dissertation, the student makes an oral defense of the dissertation to the supervisory committee, which must approve the dissertation. The doctorate is granted upon successful completion of the oral defense and any revisions to the dissertation required by committee members.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- HSD academic record form
- a curriculum vitae or resume
- a personal statement
- a writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. In order to meet English proficiency students must have an IELTS overall band score of at least 6.5 with no band below 6.0, or Pearson Test of English score of at least 60, or a TOEFL iBT score of at least 80. ASU's institutional code is 4007. ASU only accepts electronic copies of the TOEFL score report.

Preference is given to students with demonstrated interest and competence in relevant areas of intellectual work.

The personal statement should be one or two single-spaced pages. It must be a statement of proposed research that clearly explains why the student feels ASU is the appropriate place to pursue their doctorate, identifies at least one faculty member whose interest or work is relevant to the

student's proposed research, and describes the goals for pursuing the degree.

The writing sample should be a 10- to 25-page sample of academic writing, such as a course paper, an undergraduate thesis, or an excerpt from a master's thesis.

Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Evaluate foundational theories and existing literature in humanistic and social studies of science and technology and identify gaps and opportunities for future research
- •Design a comprehensive research proposal to critique, analyze and explore a key issue or theme in the human and social dimensions of science and technology
- •Communicate, orally and in writing, a well-developed research agenda in the human and social dimensions of science and technology

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education website (https://goglobal.asu.edu/students/graduate-students).

**Career Opportunities:** Professionals with expertise in the human and societal dimensions of science, technology and innovation are in high demand across many sectors. From the School for the Future of Innovation in Society's 2021 alumni employment survey, 100% of doctoral program respondents are employed. Of those respondents employed, 75% have jobs directly related to their degree.

Most graduates have careers in academia, but a number also work in nonprofits, think tanks and government. Skills in foresight, technology assessment, implications and values of innovation, and science policy are critical for guiding businesses, institutions, governments and societies in considering and shaping the role of science, technology and innovation in their futures.

Career examples include:

- director of operations
- energy social scientist
- executive director
- information security manager
- professor
- research and development associate
- research strategist

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/phd-programs/hsd/
INTDSB 256
sfisgrad@asu.edu
480-727-9498

## Innovation in Global Development, PHD (FIIGDPHD)

**Online Degree Search Title:** Innovation in Global Development, PhD
**Campus:** Tempe

**Program Description:** The PhD program in innovation in global development emphasizes critical and diverse perspectives on global development and innovative policies and practices that challenge the status quo. This research-based program is both rigorous and flexible, designed to meet the needs of a diverse set of students committed to a vision of development that values context, inclusivity and equity and is socially, culturally and ecologically sensitive.

Students emerge from this program equipped with the comprehensive research capabilities, critical thinking skills, leadership skills and global perspectives that are needed to navigate complex development challenges in a way that reduces inequalities and builds a more sustainable and

inclusive future.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (14 credit hours)
IGD 601 Re-Thinking Global Development (4)
IGD 602 Innovation for Inclusive Development (4)
IGD 603 Methods for Research in Global Development (4)
IGD 604 Colloquium in Innovation in Global Development (2)

Reading and Conference (3 credit hours)

Electives or Research (55 credit hours)

Culminating Experience (12 credit hours)
IGD 799 Dissertation (12)

Additional Curriculum Information
Students are required to take IGD 604 once for two credits as a core course requirement. They may take it one additional time for two more credits that can be used towards electives.

For the Reading and Conference requirement, students must enroll in IGD 790 Topic: Dissertation Prospectus.

Elective courses are chosen based on the students' area of interest and approval from their committee. Other electives may be used with approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is made up of electives and research.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in anthropology, natural resource management, agriculture development, political science, development studies, economics, development management, rural development, technology and development, sociology, science and technology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrated their ability to contribute to the body of knowledge around global development.
- •Design a comprehensive research proposal, synthesize a literature review, and analyze datasets using appropriate methodology
- •Identify and articulate the main theories, concepts and challenges in the field of global development in their historical and contemporary contexts, and apply them in an equitable and sustainable manner
- •Communicate, orally and in writing, a well-developed research agenda that includes development themes, theories, policies and practices; methodology and analysis; and conclusions for positive changes in global development

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education website (https://goglobal.asu.edu/students/graduate-students).

**Career Opportunities:** The new generation of development scholars are competent in dealing with global development challenges with foresight and imagination that promote well-being and an equitable future for all. Professionals with expertise in global development are in high demand across a wide range of development agencies such as the World Bank, specialized agencies of the United Nations, Asian Development Bank, African Development Bank, United States Agency for International Development, and nongovernmental organizations.

Scholars with training in theories, concepts and debates in the field of global development are also in high demand by research institutions, think tanks, universities, development studies centers, multinational companies, foundations and governments.

Career examples include:

- development researcher
- global development consultant
- global development specialist
- government official
- leader in civil society organizations
- organization official
- poverty alleviation advocate
- professor
- program officer

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/phd-programs/igd/
INTDSB 256
sfisgrad@asu.edu
480-965-6584

## Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)

**Online Degree Search Title:** Nonfiction Writing and Publishing (Graduate Certificate)
**Campus:** Downtown Phoenix, Polytechnic, Tempe, West
ASU is not currently accepting applications for this program.
**Program Description:** The graduate certificate program in nonfiction writing and publishing teaches students the art of telling true stories. The program is based on the belief that the work done within the university is most impactful when it can be shared --- in a clear and compelling way --- with audiences beyond one's chosen fields of research.

In this interdisciplinary program, students read, study and write narrative nonfiction, including literary journalism, op-ed, explanatory essay and memoir. Students learn how to analyze the craft and stylistic decisions of professional and literary nonfiction writers and utilize these skills in their own work.

Award-winning faculty teach scholars and students to produce vivid writing that connects with a larger public; they also teach the most effective ways to get their writing out into the world, be it through blogs, online or print publications, trade books, or film and television.

This program is open to all graduate students who want to write eloquently, persuasively and memorably about their research or life experiences.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
HSD/HPS/HST 520 Masters of Nonfiction (3)
HSD 521 Writing True Stories that Matter (3)

Electives (9 credit hours)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants who attended school outside of the U.S. must hold a bachelor's degree, graduate degree or equivalent from an institution that

is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants are encouraged to enroll in a graduate degree program in conjunction with this certificate but are not required to do so.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Read, analyze, and synthesize works of journalistic or literary nonfiction and create individual works based on key concepts.
- •Demonstrate an understanding of nonfiction writing and publishing conventions and the ability to write for diverse nonacademic audiences.

**Career Opportunities:** According to Forbes, storytelling is the most important skill in today's job market. Of the many sources of information in the world, it is people who write compelling stories who are best heard.

Graduates with this skill are more attractive to employers both in academia and the private sector. Expertise in writing and storytelling are in demand in many fields, including business, media, entertainment, politics and community organizations. Strong writers and vivid storytellers are particularly valuable to businesses and institutions relying on narrative-based strategies to engage and grow audiences online.

Graduates may pair the certificate with other degrees to create stronger career opportunities.

Career examples include:

- communications specialist
- content strategist
- editor
- public relations manager or specialist
- screenwriter
- social media manager
- video game designer

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/
INTDSB 256
sfisgrad@asu.edu
480-727-9498

## Public Interest Technology, MS (FIPITCHMS)

**Online Degree Search Title:** Public Interest Technology, MS
**Campus:** Online

**Program Description:** The MS program in public interest technology asks this fundamental question: How can technology be used for good? When studying the public interest, it is vital to understand how new technologies pose new challenges and opportunities for society.

Students in this program acquire the ability to work in cross-disciplinary teams and gain a fluency that permeates technology and society issues and solutions. Students learn to think analytically, design new systems and processes, and will gain exposure to emerging technologies that can make a difference in how government agencies, nongovernment organizations, nonprofits and private companies emphasize social impact. People working

in this space ask communities what their needs are first, using a co-design approach to innovation, with cultural awareness and values top of mind.

Public interest technology expertise is relevant to all entities who seek to embed the goals of technology assessment, fairness, sustainability and environmental justice in their products and processes.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Innovation in Society, BA
Innovation in Society, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (PIT 593).
Required Core (12 credit hours)
PIT 501 Principles of Public Interest Technology (3)
PIT 502 Co-designing the Future (3)
PIT 503 Technology Impact Assessments (3)
PIT 504 Public Engagement Strategies (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)
PIT 593 Applied Project (3)

Additional Curriculum Information
Students should see the academic unit for the current elective course list. The elective list may change over time as new courses become available. Students must meet any prerequisites for the course in order to register for it or receive permission from the Master of Science in public interest technology degree program chair and the instructor of the course.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, public administration, engineering, business, marketing, science, social science, humanities or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/public-interest-technology-masters/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Think critically and evaluate the success or failure of existing sociotechnical systems and make recommendations on how to overcome systemic problems related to justice, equity, diversity, inclusion and fairness, among other human rights dimensions.
- •Create and disseminate the results of their public engagements using different forms of communication such as professional report writing and

oral communications, employing creative strategies through traditional and emerging online platforms.
•Students will be able to apply a transdisciplinary approach in the creation of a public interest technology design or development process, and analyze existing public interest technology solutions by applying fundamental principles, theoretical and conceptual frameworks (e.g., co-design) to real-world cases.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education Office (https://goglobal.asu.edu/students/graduate-students) website.

**Career Opportunities:** Graduates have the ability to enact change within their workplace and to develop ideas for new for-profit and nonprofit startups that are user-centric, collective and community-driven. They are public interest technologists, an emerging domain of expertise.

Generally, graduates become:

- advisors (solutions, technology impact)
- analysts (policy, data privacy, systems)
- assessors (public interest technology, public health)
- consultants (content strategist, business, safety, user experience)
- coordinators (advocacy, standards)
- managers (data governance, cybersecurity, data privacy, environmental affairs, executive)
- policymakers (human rights, emerging technology)

Other career fields include telecommunications, information technology, biotechnology, government, education, energy, transport, health care and medicine, standards setting, accountability, oversight and ombudsperson service.

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://collegeofglobalfutures.asu.edu/
INTDSB 256
sfisgrad@asu.edu
480-727-8787

## Responsible Innovation in Science, Engineering and Society (certificate), Certificate (GCRSESGRCT)

**Online Degree Search Title:** Responsible Innovation in Science, Engineering and Society (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The certificate program in responsible innovation in science, engineering and society is designed for scientists, engineers, social scientists, creatives, research managers, technology officers, public administrators and policy officials who seek to advance or use science and technology to improve societal outcomes and to develop creative solutions to the fundamental global challenges of today's world.

The program provides students with knowledge, skills and methods for analyzing innovation and technological systems and it addresses knowledge and uncertainty in decision-making; the regulation and governance of science and technology; the uptake of science and technology in complex societal settings; and interactions between science, technology and the public.

The certificate may be pursued by professionals in industry or government or by students pursuing other Arizona State University graduate degree programs.

**Degree Requirements:**
15 credit hours including the required capstone course (HSD 580).
Required Core (3 credit hours)
HSD 540 Responsible Innovation and Research (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)
HSD 580 Practicum (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Acceptable proof of English proficiency is an IELTS overall band score of at least 6.5 with no band below 6.0 (no institutional code needed); or a Pearson Test of English score of at least 60; or a TOEFL iBT score of at least 80. Students should note that the ASU institutional code for the TOEFL is 4007. Also, students should note that ASU only accepts electronic copies of the TOEFL score report.

International students who need an F1 or J1 visa first need to apply to and be accepted into a master's or doctoral program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will be able to identify, analyze and recognize an opportunity to justify and design a responsible innovation program within a science and technology initiative.
- Students will be able to communicate, in writing and verbally, how to implement a responsible innovation program within a science policy initiative.

**Career Opportunities:** Recent graduates of this program have paired the certificate with technical graduate degrees to make themselves competitive for science policy jobs in the public sector. State legislatures, courts and agencies seek employees with the perspective and ability to understand and analyze how science and technology fit into social, political, environmental and economic contexts.

Career examples include:

- analyst
- environmental assessor
- federal agency staff
- government liaison
- law clerk
- legislative staff
- product designer
- science and technology communication
- writer

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/grad-cert/rises/
INTDSB 256
sfisgrad@asu.edu
480-965-9432

# Science and Technology Policy, MSTP (LAHSDPSM)

**Online Degree Search Title:** Science and Technology Policy, MSTP
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MSTP program uniquely prepares its graduates to have an impact in today's science and technology decision-making. It is designed to train future leaders, policymakers and analysts in tackling diverse and complex policy issues such as climate change and artificial intelligence in ways that are socially responsible and that contribute to a more just and vibrant future.

This cohort-based program attracts students of the highest caliber and can be completed in one year or over an extended period on a part-time basis. It is suited to anyone interested in a career in which they work to ensure, through responsive and effective policy development and implementation, that science and technology serve society. Students come from a wide range of backgrounds.

The program provides students with knowledge and tools to analyze and answer complex questions around science and technology policy issues, including:

- How are science and technology influenced by the policy process?
- What is the rightful place of scientific expertise in public policymaking?
- What values and assumptions underlie society's current understanding of science and technology?
- Who should make decisions about science and technology policy? Only experts? Or should lay people also have a voice?
- How should policymakers deal with the risks and uncertainties that come from new science and technology (e.g., biotechnology, nanotechnology, geoengineering, information technology)?
- How can policymakers balance concerns about science and technology, while maintaining innovation and international competitiveness?

Students work on topics as varied as responsible innovation, technological convergence, social and environmental sustainability, health and well-being, energy, equity, security, data privacy, infrastructure, democracy, STEM education, the role of science, and space exploration and policy. They are able to describe the historical, social and institutional foundations of science and technology policy; discuss the complexities of science and technology policy decisions, decision-making under uncertainty and the role of experts; employ effective policy communications skills and techniques; and work collaboratively and effectively with experts from different backgrounds, including scientists, engineers and elected officials.

Graduates are able to apply critical skills and methods to science and technology policy analysis, apply cutting-edge approaches to ensuring socially responsive and responsible technology innovation, and contribute to developing and implementing creative solutions to many of today's most complex challenges.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

African and African American Studies, BA
Gender, Women and Sexuality Studies, BA
Innovation in Society, BA
Innovation in Society, BS
Justice Studies, BS
Justice Studies, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (HSD 593).
Required Core (6 credit hours)
HSD 501 Science and Technology Policy (3)
HSD 502 Advanced Science and Technology Policy (3)

Electives (9 credit hours)

Restricted Electives (9 credit hours)

Other Requirements (3 credit hours)
HSD 591 Topic: MSTP Professional Development Seminar Series (3)

Culminating Experience (3 credit hours)
HSD 593 Applied Project (3)

Additional Curriculum Information
Restricted electives are from a list provided by the program chair.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or equivalent or a graduate degree from a regionally accredited college or university of recognized standing. Students are strongly encouraged to have prior relevant education, training or experience in science and technology policy; management of science, technology or innovation; or science, technology and society.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will be able to identify and analyze science and technology policy challenges, apply policy frameworks, and develop policy insights and recommendations.
- Students will be able to communicate science and technology policy challenges, issues and options to diverse audiences.
- Students will be able to research and analyze the history of a public law related to science, technology or innovation, and use professional writing formats to explain how the law was implemented.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities available, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/students/graduate-students) and the College of Global Futures study abroad webpage (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/).

**Career Opportunities:** Science and technology policy professionals are in high demand across sectors and industries, including business, think tanks, nongovernmental organizations, international organizations, academic institutions, as well as local, state and federal government. Skills in policy analysis and the policymaking process are valuable to businesses and institutions that deal with science and technology policy issues.

From the School for the Future of Innovation in Society's 2021 alumni employment survey, 100% of master's degree program respondents are either employed or pursuing continuing education. Of those respondents employed, 62% have jobs directly related to their degree.

Some career examples include:

- editor of a science and technology-focused magazine or journal
- environmental protection specialist
- government program administrator
- information technology specialist in the federal government and private sector
- intelligence analyst on science and technology threats
- official at U.S. Patent and Trademark Office
- regulatory policy analyst
- science and technology research analyst, program or policy analyst, or legislative analyst
- science, technology or health care policy advisor

- smart cities program manager

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/masters-programs/mstp/
ISTBX 3rd floor
sfisgrad@asu.edu
480-727-6584

## Sustainability, MA (SUSUSTMA)

**Online Degree Search Title:** Sustainability, MA
**Campus:** Tempe

**Program Description:** The MA in sustainability is a research-oriented degree program that culminates with writing either a thesis or publishable scientific paper.

The program focuses on knowledge generation and investigating potential solutions to sustainability challenges and prepares students to design and conduct transdisciplinary research. Although the graduate degree programs emphasize the integration of a broad range of expertise, this program is best-suited to students inclined toward transdisciplinary science, humanities, planning or related fields and who are interested in a career in research or academia.

Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop academic and technical skills as well as ethical insights that can help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels.

All sustainability graduate students understand the need for a transdisciplinary approach to solving sustainability challenges; can communicate their work to professionals in other disciplines and to policymakers and the general public; and have the breadth of vision to incorporate the interconnectedness of social, economic, environmental and technical systems into their research. They have the critical thinking skills necessary to approach sustainability challenges from a systems perspective, the ability to work effectively in interdisciplinary teams, and the technical skills to formulate and solve problems at the appropriate scale.

**Degree Requirements:**
35 credit hours and a thesis, or 35 credit hours including the required capstone course (SOS 596).
Required Core (14 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 520 Research Design and Methods for Sustainability (3)
SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces (3)
SOS 581 Synthesis for Sustainability Research (3)
SOS 589 Community of Graduate Student Scholars (2)

Electives (15 credit hours)
methods (3)
normative dimensions of sustainability (3)
general electives (9)

Culminating Experience (6 credit hours)
SOS 596 Capstone: Scientific Paper (6) or
SOS 599 Thesis (6)

Additional Curriculum Information
The taught-course element of the program is evaluated through course-specific examinations, research papers or applied projects and is considered successfully completed if the student obtains a GPA of 3.25 or higher. Graduate College policies and procedures for fulfillment of degree requirements must also be met.

SOS 589 is a one-credit-hour course students take twice, for two credit hours total.

Approved general elective subjects include the following:
SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM, URB

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited

institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of intent
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program and describe how completion of the degree will support long-term career goals. The statement should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/students/graduate-students) is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students may also participate in a School of Sustainability study abroad program. More information is available on the School of Sustainability study abroad website (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/). Many students in the program also conduct research abroad as part of their culminating experience.

**Career Opportunities:** Professionals with expertise in sustainability frameworks, interdisciplinary research and strong research skills are in high demand across industries, including business, academia and government. Skills in critical thinking, teamwork, sustainability problem-solving and research are valuable to businesses and institutions burdened by sustainability problems.

From the School of Sustainability's 2021 alumni employment survey, 94% of master's degree program respondents are either employed or pursuing continuing education. Of those employed, 75% of respondents have jobs directly related to sustainability.

Career opportunities for graduates of this program include:

- chief sustainability officer
- conservation program lead
- disaster relief manager
- doctoral student
- environmental restoration planner
- program director or manager
- research associate
- sustainability communications specialist
- sustainability instructor or teacher
- sustainability specialist
- zero waste consultant

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/graduate-degrees/master-of-arts-in-sustainability/
WCPH 300LT
SustainabilityGrad@asu.edu
480-727-6963

# Sustainability, MS (SUSUSTMS)

**Online Degree Search Title:** Sustainability, MS
**Campus:** Tempe

**Program Description:** The MS program in sustainability is a research-oriented degree program that culminates in writing either a thesis or publishable scientific paper.

The program focuses on knowledge generation and investigating potential solutions to sustainability challenges and prepares students for designing and conducting transdisciplinary research. This master's degree program is best suited to students inclined toward natural sciences, economics, engineering or related quantitative fields and who are interested in a career in research or academia.

Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop the academic and technical skills as well as the ethical insights that help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels.

All sustainability graduate students understand the need for a transdisciplinary approach to solving sustainability challenges; can communicate their work to professionals in other disciplines and to policymakers and the general public; and have the breadth of vision to incorporate the interconnectedness of social, economic, environmental and technical systems into their research. They have the critical thinking skills necessary to approach sustainability challenges from a systems perspective, the ability to work effectively in interdisciplinary teams, and the technical skills to formulate and solve problems at the appropriate scale.

**Degree Requirements:**
35 credit hours and a thesis, or 35 credit hours including the required capstone course (SOS 596).
Required Core (14 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 520 Research Design and Methods for Sustainability (3)
SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces (3)
SOS 581 Synthesis for Sustainability Research (3)
SOS 589 Community of Graduate Student Scholars (2)

Electives (15 credit hours)
methods (3)
normative dimensions of sustainability (3)
general electives (9)

Culminating Experience (6 credit hours)
SOS 596 Capstone: Scientific Paper (6) or
SOS 599 Thesis (6)

Additional Curriculum Information
SOS 589 is taken twice for two credit hours total.

The taught-course element of the program is evaluated through course-specific examinations, research papers or applied projects and is considered to have been successfully completed if the student obtains a GPA of 3.25 (scale is 4.00 = "A") or higher. Graduate College policies and procedures for fulfillment of degree requirements also must be met.

Approved general electives prefixes include the following: SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM and URB.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of intent
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program, and describe how completion of the degree will support long-term career goals. The statement should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/students/graduate-students) is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students may also participate in a School of Sustainability study abroad program. More information is available on the School of Sustainability study abroad website (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/). Many students in the program also conduct research abroad as part of their culminating experience.

**Career Opportunities:** Professionals with expertise in sustainability frameworks, interdisciplinary research and strong research skills are in high demand across industries, including business, academia and government. Skills in critical thinking, teamwork, sustainability problem solving and research are valuable to businesses and institutions burdened by wicked sustainability problems.

From the School of Sustainability's 2021 alumni employment survey, 94% of master's degree program respondents are either employed or pursuing continuing education. Of those employed, 75% of respondents have jobs directly related to sustainability.

Career opportunities for graduates of this program include:

- chief sustainability officer
- doctoral student
- energy analyst
- environmental economist
- industrial ecologist
- natural science manager
- operations consultant
- research associate
- sustainability specialist
- urban or transportation planner
- zero waste consultant

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/graduate-degrees/master-of-science-in-sustainability/
WCPH 300LT
SustainabilityGrad@asu.edu
480-727-6963

## Sustainability, PHD (SUSUSTPHD)

**Online Degree Search Title:** Sustainability, PhD
**Campus:** Tempe

**Program Description:** The PhD program in sustainability prepares students to become scientists and leaders in research who investigate the urgent sustainability challenges of this century. The flexible, transdisciplinary nature of the program allows students to focus on problems of interest to them, drawing upon relevant knowledge from sustainability science and a variety of disciplines. This full-time program includes a high degree of faculty interaction and collaboration.

All sustainability doctoral students gain a better understanding of the need for a transdisciplinary approach to solving sustainability challenges as well as the ability to communicate their research effectively to academic and non-academic audiences alike.

In addition to the common learning outcomes, students are able to conduct research on particular sustainability challenges using theoretical lenses and methods from sustainability science and a range of complementary disciplines. Students learn to translate sustainability challenges to tractable research questions, develop a portfolio of quantitative and qualitative research methods to address these research questions, formulate and test hypotheses, utilize rigorous elicitation methods to gather qualitative and quantitative datasets, learn to engage with stakeholders to co-produce knowledge, use statistical and other analytic techniques to analyze data, and build and apply models of social-ecological systems.

They develop expertise in the analysis of institutional policies and regulations and the design of the built environment and technologies to support sustainable development. They also develop the foundational knowledge of concepts and methods required to conduct interdisciplinary and transdisciplinary research and effectively communicate their findings across academic disciplines as well as to policymakers and the general public.

Graduates possess an advanced understanding of the dynamics of coupled social-ecological systems and use this knowledge to conduct original research to inform robust solutions to specific sustainability challenges. They are equipped to lead others in the development of sustainable strategies at the local, national and global levels.

**Degree Requirements:**
86 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (11 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 520 Research Design and Methods for Sustainability (3)
SOS 525 Social-Ecological-Technical Systems (SETS): Domains and Interfaces (3)
SOS 589 Community of Graduate Student Scholars (2)

Solutions Workshop Electives (6 credit hours)

Open Electives (45 credit hours)

Research (12 credit hours)
SOS 792 Research (12)

Culminating Experience (12 credit hours)
SOS 799 Dissertation (12)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit. Only six credit hours of 400-level coursework can be included in the plan of study.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is to be made up of appropriate electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. The school encourages applicants with diverse educational backgrounds and experiences that are relevant to the school's core objectives.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of intent
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program; describe how completion of the degree will support long-term career goals; elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study; and identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/students/graduate-students) is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students may also participate in a School of Sustainability study abroad program. More information is available on the School of Sustainability study abroad website (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/). Many students in the program also conduct research abroad as part of their culminating experience.

**Career Opportunities:** Professionals with expertise in sustainability frameworks and interdisciplinary research are in high demand across industries, including business, academia and government. Skills in critical thinking, teamwork, sustainability problem solving and research are valuable to businesses and institutions, many of which are in need of expertise to solve critical sustainability problems and introduce sustainability principles into their business models.

From the School of Sustainability's 2021 alumni employment survey, 95% of doctoral program respondents are employed. Of those respondents employed, 100% have jobs directly related to sustainability. Students can learn more about careers in sustainability and where graduates of sustainability doctoral programs are now employed by visiting the School of Sustainability's alumni employment data website (https://schoolofsustainability.asu.edu/careers-3/career-advising/alumni-employment-data/phd-alumni-employment-data/).

Career possibilities for program graduates include:

- chief sustainability officer
- data analyst
- director of program development
- environmental scientist
- geographic information systems coordinator
- professor
- program manager or director
- research scientist
- sustainability consultant
- sustainability policy advisor
- sustainability specialist
- sustainable operations specialist
- water resources specialist

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/graduate-degrees/doctor-of-philosophy-in-sustainability/
WCPH 300LT
SustainabilityGrad@asu.edu
480-727-6963

## Sustainability (Certificate), Certificate (SUSUSGRCT)

**Online Degree Search Title:** Sustainability (Graduate Certificate)
**Campus:** Downtown Phoenix, Polytechnic, Tempe, West, Online

**Program Description:** The development and implementation of sustainable solutions depends on the development of core sustainability competencies, effective collaboration and inspiring leadership. The graduate certificate program in sustainability provides the foundational knowledge required to promote sustainable solutions in any professional field.

The skills developed in this program, like systems thinking and futures thinking, are essential to addressing sustainability challenges across many kinds of organizations. Students in the program learn to communicate and collaborate with colleagues from varied backgrounds, preparing them to lead teams in the future.

Courses introduce students to the foundations of sustainability through a disciplinary overview and problem-solving methodology. With electives, students can explore specific areas that are of greatest interest to them.

Students in the online graduate certificate program can take courses from the MSL degree. Classes in that program focus on leadership, communication, sustainability strategy and enterprise sustainability.

This program is designed to be taken independently or as a supplement to another graduate degree program. If done independently, a graduate certificate does not meet the requirements for a student visa.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
SOS 508 Pathways to Sustainability (3)
SOS 509 Leading Sustainability Transitions (3)

Electives (9 credit hours)

Additional Curriculum Information
Students select six credit hours of sustainability-focused electives from EMS, SFS and SOS course prefixes. Other coursework may be used with approval of the sustainability graduate committee. In addition, students take three credit hours of other elective coursework related to sustainability.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-sustainability-certificate/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of this program can pair the certificate with a range of graduate degrees to enhance their expertise and career prospects related to sustainability.

Because many organizations seek to implement greener initiatives, knowledge of sustainability may be valuable across many areas, including business, engineering, government, nonprofit and education sectors. Graduates can use their skills to bring sustainable initiatives to organizations in a variety of industries.

Career examples include the following. Additional advanced degrees or certifications may be required for some.

- chief sustainability officer
- civil engineer
- economist
- energy engineer
- environmental economist
- environmental restoration planner
- industrial ecologist
- project coordinator
- sustainability specialist
- urban planner
- water resource specialist

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/certificates/graduate-certificate-in-sustainability/

WCPH 300
SustainabilityGrad@asu.edu
480-727-6963

## Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD)

**Online Degree Search Title:** Sustainability (Complex Adaptive Systems Science), PhD
**Campus:** Tempe

**Program Description:** Complex adaptive systems science is the study of interactive and dynamic systems that change over time.

The complex adaptive systems science concentration program under the PhD in sustainability trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with varied, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems science perspective for better insight and an active role in seeking solutions to a broad array of critical issues facing society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

By broadly embedding an understanding of complex adaptive system-relevant approaches into the practice of normal science, students gain the ability to transform science. The program promotes the development and testing of more robust theories and sophisticated methods in a wider array of research settings needed in order to develop a deeper understanding of the nature and dynamics of complex adaptive systems, which are grounded in concrete examples and applications.

The program prepares students to become scientists and leaders in research and to investigate the urgent sustainability challenges of this century. Graduates possess an understanding of the need for a transdisciplinary approach to solving sustainability challenges; the ability to communicate their work to professionals in other disciplines, to policymakers and to the general public; and the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems. Their critical thinking skills enable them to approach sustainability challenges from a systems perspective; they also have the skills needed to work effectively in interdisciplinary teams and the technical skills to formulate and solve problems at the appropriate scale.

In addition to the common learning outcomes, graduates are able to conduct research on particular sustainability challenges using standard skills, including the capacity to identify problems; to formulate and test hypotheses; to use statistical, econometric and geographical information system techniques to construct and analyze datasets; and to build and apply models. They are prepared to lead others in the analysis and design of the built environment and institutions' policies, regulations and technologies to support sustainable development and lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global levels. Graduates understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial and temporal scales.

The doctoral program in sustainability with a concentration in complex adaptive systems science is offered for students who have completed a bachelor's or master's degree program.

**Degree Requirements:**
86 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (8 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 520 Research Design and Methods for Sustainability (3)
SOS 589 Community of Graduate Student Scholars (2)

Solutions Workshop Electives (6 credit hours)

Open Electives (36 credit hours)

Concentration (12 credit hours)
CASS fundamentals (3)
mathematics of CASS (3)
modeling CASS (3)
application of CASS approaches (3)

Research (12 credit hours)
SOS 792 Research (12)

Culminating Experience (12 credit hours)
SOS 799 Dissertation (12)

Additional Curriculum Information

For open electives and concentration coursework, students should see the academic unit for the approved course list. Students should note that only six credit hours of 400-level coursework can be included on the plan of study.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the remaining coursework is made up of appropriate electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. The school encourages applicants with diverse educational backgrounds and experiences that are relevant to the school's core objectives.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of intent
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program, describe how completion of the degree will support the applicant's long-term career goals and explain why the applicant is applying to the College of Global Futures and, more specifically, the doctoral program with a complex adaptive systems science concentration. The statement of intent should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/students/graduate-students) is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students may also participate in a School of Sustainability study abroad program. More information is available on the School of Sustainability study abroad website (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/). Many students in the program also conduct research abroad as part of their culminating experience.

**Career Opportunities:** Professionals with expertise in complex adaptive systems science are in high demand across sectors and industries, including business, government and academia. Experts in complexity, who can serve as a bridge between disciplines and scholars, are essential to solving a variety of sustainability challenges.

From the School of Sustainability's 2021 alumni employment survey, 95% of doctoral program respondents are employed. Of those respondents employed, 100% have jobs directly related to sustainability.

Career examples include:

- chief sustainability officer
- energy engineer
- environmental economist
- environmental restoration planner
- environmental sciences professor
- industrial ecology
- natural science manager

- professor
- program director
- research scientist
- sustainability specialist or consultant
- urban planner

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/graduate-degrees/doctor-of-philosophy-with-a-cass-concentration/
WCPH 300LT
SustainabilityGrad@asu.edu
480-727-6963

## Sustainability Leadership, EMSL (SUEMSLEMSL)

**Online Degree Search Title:** Sustainability Leadership - Executive, EMSL
**Campus:** Online

**Program Description:** A sustainable future requires leaders who are able to integrate sustainability into existing institutions and new enterprises. A particular knowledge base and skill set is required to drive this kind of transformational change. Professionals with tools and skills learned in sustainability leadership, as opposed to other degree programs, are in a prime position to establish sustainability practices in any type of organization.

The EMSL program prepares professionals to advance social, economic and environmental responsibility. Designed to be completed in 12 continuous months, the program is created and delivered by people who have worked in and with companies making sustainability transitions and those who continue to be on the cutting edge of global sustainability leadership.

The curriculum includes coursework in the following synergistic thematic areas:

- communications and change management
- global context of sustainability
- leadership for sustainability
- sustainability and strategy

The program also includes opportunities for students to add elective coursework that is related to their specific area of interest. In addition to the coursework, students also have monthly individual coaching sessions with program faculty to help with career planning and professional development.

**Degree Requirements:**
30 credit hours including the required capstone courses (EMS 515 and EMS 516).
Required Core (18 credit hours)
EMS 522 Mastering the Global Sustainability Context (3)
EMS 523 Strategic Sustainability and Leadership (3)
EMS 524 Sustainability Storytelling and Communications (3)
EMS 525 Essentials for Transformative Leadership in Sustainability (3)
SOS 508 Pathways to Sustainability (3)
SOS 509 Leading Sustainability Transitions (3)

Electives (6 credit hours)

Culminating Experience (6 credit hours)
EMS 515 Immersive Experience for Sustainability Leadership (3)
EMS 516 Capstone Course for EMSL Students (3)

Additional Curriculum Information
Students are encouraged to attend one in-person session in a major metropolitan city in the United States. Students who cannot attend should contact the college for an alternative option.

Elective courses must be at the 500 level or above.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants to the program should be interested in and passionate about advancing sustainability in their organizations, either directly or indirectly. Successful candidates are expected to draw from and apply solutions to actual professional challenges and opportunities.

Because this is an executive master's degree for experienced professionals, work and life experience may be taken into account in lieu of deficiencies from past bachelor's degree program experience. Applicants with GPAs lower than 3.00 (scale is 4.00 = "A") may be admitted on a provisional status. Applicants should contact the program for more details if their GPA falls below the 3.00 requirement.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/executive-sustainability-leadership/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of this program advance their leadership skills with practical, actionable tools and can accelerate sustainability throughout their organizations.

An Executive Master of Sustainability Leadership degree enhances career opportunities in a variety of sectors, including business, technology, science, education and government. The School of Sustainability's 2021 alumni employment survey shows that 96% of degree program respondents are either employed or pursuing continuing education. Of those employed, 82% of respondents have jobs directly related to sustainability.

Typical careers include:

- business organization manager
- chief executive officer
- chief sustainability officer
- consultant
- director of strategic initiatives
- sustainability analyst
- sustainability coordinator
- sustainability director
- sustainability manager
- training manager

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/graduate/
WCPH 3rd floor
EMSL@asu.edu
480-727-6963

## Sustainability Leadership, MSL (SUSUSLMSL)

**Online Degree Search Title:** Sustainability Leadership, MSL
**Campus:** Online

**Program Description:** A sustainable future requires leaders who are able to integrate sustainability into existing institutions and new enterprises. A particular knowledge base and skill set is required to drive this kind of transformational change. Professionals with tools and skills learned in sustainability leadership, as opposed to other degree programs, are in a prime position to establish sustainability practices in any type of organization.

The MSL program prepares professionals to advance social, economic and environmental responsibility. It equips graduates to drive high-impact sustainability results in organizations and communities. The program is designed and delivered by people who have worked in and with companies making sustainability transitions and continue to be on the cutting edge of global sustainability leadership. Students can complete the program in one to three years.

The curriculum includes four synergistic thematic areas:

- communications and change management
- global context of sustainability
- leadership for sustainability
- sustainability and strategy

The program also includes opportunities for students to include electives that are related to their specific area of interest. Elective courses are offered that focus on the military, cities, climate, food systems and other thematic areas. Students also may choose to go on an approved study abroad trip (https://goglobal.asu.edu/students/asu-online-students) to fulfill elective credits.

**Degree Requirements:**
30 credit hours including the required applied project course (EMS 593).
Required Core (21 credit hours)
EMS 522 Mastering the Global Sustainability Context (3)
EMS 523 Strategic Sustainability and Leadership (3)
EMS 524 Sustainability Storytelling and Communications (3)
EMS 525 Essentials for Transformative Leadership in Sustainability (3)
EMS 589 MSL Capstone Project Preparation (3)
SOS 508 Pathways to Sustainability (3)
SOS 509 Leading Sustainability Transitions (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
EMS 593 Applied Project (3)

Additional Curriculum Information
Elective courses must be at the 500 level or above.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution. They should also have a minimum of three years of professional or organizational experience or the equivalent.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program. Applicants who have a GPA less than 3.00 may submit a statement describing contributing circumstances and reference personal experience to be considered for admission.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of intent
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-sustainability-leadership-sustainability-leadership/) for program descriptions and to request more information.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/students/graduate-students) is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students also may participate in a sustainability study abroad program (https://schoolofsustainability.asu.edu/student-life/study-abroad/).

**Career Opportunities:** Graduates of this program advance their organizational leadership skills in a variety of sectors, including business, technology, science, education and government. According to the School of Sustainability's 2021 alumni employment survey, 94% of master's degree program respondents are either employed or pursuing continuing education. Of those employed, 75% of respondents have jobs directly related to sustainability.

Typical career paths include:

- business organization manager
- chief executive officer
- chief sustainability officer
- consultant
- director of strategic initiatives
- sustainability analyst
- sustainability coordinator
- sustainability director
- sustainability manager

**Contact Information:**
Global Futures, College of
School of Sustainability
https://collegeofglobalfutures.asu.edu/
WCPH 300LT
onlineMSL@asu.edu
480-727-6963

## Sustainability Solutions, MSUS (SUSUSOMSUS)

**Online Degree Search Title:** Sustainability Solutions, MSUS
**Campus:** Tempe, ASU at Los Angeles

**Program Description:** The MSUS program teaches students how to analyze and solve sustainability challenges in organizations and communities. Students learn how to apply sustainability principles and approaches. The focus is on developing solutions in concert with stakeholders.

A distinguishing element of the program is its applied approach. Students begin the program with a foundation in sustainability frameworks and methods, then they take electives in an area of interest, and, ultimately, they use this knowledge to develop solutions to actual sustainability challenges in real time.

Final courses include learning how to manage sustainability projects. In the capstone experience, students team up with a company, a government agency or a nongovernmental organization to develop a real-world sustainability solution. Carried out collaboratively in lieu of a thesis, the capstone provides practical experience that positions program graduates for today's competitive, knowledge- and skills-intensive job market.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Legal Studies, MLS
Master of Mass Communication, MMC
Public Administration, MPA
Public Policy, MPP
Urban and Environmental Planning, MUEP

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Sustainability, BA
Sustainability, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (SOS 593).
Required Core (6 credit hours)
SOS 508 Pathways to Sustainability (3) or SOS 510 Perspectives on Sustainability (3), and
SOS 509 Leading Sustainability Transitions or SOS 511 Advanced Sustainability Problem Solving (3)

Other Requirements (15 credit hours)
SOS 582 Project Management for Sustainability (3)
competency mastery courses (6)
methods courses (6)

Focus Area Electives (6 credit hours)

Culminating Experience (3 credit hours)
SOS 593 Applied Project (3)

Additional Curriculum Information
MSUS students specialize in a focus area and take six credit hours of elective coursework related to that area, with approval by their academic advisor.

For a list of approved courses that may fulfill the methods and competency mastery requirements, students should see the academic unit. No more than six credit hours of 400-level coursework can be included in the plan of study.

The Graduate College policies and procedures for fulfillment of degree requirements must also be met.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of intent
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

The statement of intent should not exceed 600 words and should explain the goals the applicant intends to achieve through the plan of study, describe how the applicant's background will contribute to success in the program, explain how completion of the degree will support long-term career goals, and elaborate on project ideas the applicant wishes to pursue as part of the program of study.

In order to promote access, students may submit a GPA petition if they don't meet the 3.00 GPA requirement for admission. More information can be found on the School of Sustainability graduate admission website (https://schoolofsustainability.asu.edu/admissions/application-process/graduate-admissions/).

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. ASU has structured in-person program opportunities on every continent. Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers mentorship and professional network growth in many fields of study while earning ASU credit. These courses can be taken as an

elective in the student's program of study with permission from the advisor.

More information for graduate students can be found at the Global Education Office website (https://goglobal.asu.edu/students/graduate-students). Programs offered by the School of Sustainability are listed on the  school website (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/).

**Career Opportunities:** Professionals who understand how to solve difficult problems and know how to work with and draw from different disciplines are in high demand across sectors and industries. Graduates of the Master of Sustainability Solutions program have the knowledge base and skill set needed to create sustainability solutions in a variety of sectors including business, education, nonprofit, governmental and nongovernmental organizations. Graduates are trained to help organizations approach differing values and perspectives in a collaborative way, understand and explore the complexity of systems, plan for various future scenarios, and develop strategies for action.

From the School of Sustainability's 2021 alumni employment survey, 89% of master's degree program respondents are either employed or pursuing continuing education. Of those employed, 86% of respondents have jobs directly related to sustainability. Students can learn more about careers in sustainability and where Master of Sustainability Solutions graduates are now employed, by visiting the School of Sustainabilityalumni employment data website (https://collegeofglobalfutures.asu.edu/careers/employment-data/).

Career examples include:

- chief sustainability officer
- environmental specialist
- industrial ecologist
- sustainability analyst
- sustainability consultant
- sustainability specialist
- urban planner

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/graduate-degrees/master-of-sustainability-solutions/
WCPH 300
SustainabilityGrad@asu.edu
480-727-6963

## Sustainable Energy, PHD (SUSUEPHD)

**Online Degree Search Title:** Sustainable Energy, PhD
**Campus:** Tempe

**Program Description:** Society is in the midst of a transition toward sustainable energy.

Because the global energy system is a complex, socio-technical system, the transition toward sustainable energy requires the next generation of leaders to possess a transdisciplinary perspective comprising both technical and societal dimensions of energy. The PhD program in sustainable energy integrates these perspectives in preparing students to address the challenges in energy transitions. Students enter the program from diverse backgrounds in engineering, planning, business, policy, and natural and social sciences.

The core classes provide them with an interdisciplinary expertise and skills related to current and emerging energy technologies and systems, economic analysis of energy systems, and social and policy dynamics of energy transitions. Elective classes allow students to develop more specialized methodological skills, technical expertise and topical knowledge.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (17 credit hours)
SOS 571 Sustainable Energy Technologies and Systems (3)
SOS 572 Sustainable Energy Transitions (3)
SOS 573 Sustainable Energy Policy (3)
SOS 574 Data Analytics for Sustainable Energy (3)
SOS 575 Sustainable Energy Research Seminar (4)
SOS 589 Community of Graduate Student Scholars (1)

Electives or Research (42 credit hours)

Other Requirement (13 credit hours)
SOS 792 Research (13)

Culminating Experience (12 credit hours)
SOS 799 Dissertation (12)

Additional Curriculum Information
Students take SOS 575 in four different semester terms for 1 credit hour each term.

Electives can be chosen from applicable courses in the following areas based on the student's area of interest and approval from the committee: engineering of matter, transport and energy; sustainable engineering and the built environment; geographical sciences and urban planning; molecular sciences; life sciences; future of innovation in society; physics; and sustainability.

Other electives may be used with approval from the academic unit. Student electives are customizable based on the student's area of research.

Doctoral students are expected to include higher level courses (600 and 700 levels) as part of the elective and research coursework.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework is made up of electives and research.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- statement of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The school encourages applicants with diverse educational backgrounds and experiences. Sample related fields include engineering, geography, urban planning, environmental science, physics, chemistry or planning for future innovations and societal changes.

All applicants must upload a statement of intent as part of the application process. In no more than 600 words, applicants must explain the goals they intend to achieve through their program of study at the College of Global Futures. Applicants should describe how their background will contribute to their success in the program and how completion of their degree will support their long-term career goals. Finally, applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their program of study and identify potential faculty advisors.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/students/graduate-students) is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students may also participate in a School of Sustainability study abroad program. More information is available on the School of Sustainability study abroad website (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/). Many students in the program also conduct research abroad as part of their culminating experience.

**Career Opportunities:** From the School of Sustainability's 2021 alumni employment survey, 95% of doctoral program respondents are employed. Of those respondents employed, 100% have jobs directly related to sustainability.

Professionals with expertise in sustainable energy are in high demand across industries that including academia, business, planning and government. Skills in cross-disciplinary research, socio-technical innovation, sustainable energy solutions and policymaking are valuable to businesses and institutions relying on data-driven strategies to solve urgent sustainability problems and shape global futures.

Career examples include:

- assistant or associate professor
- chief sustainability officer
- director of policy advocacy
- energy analyst
- project manager
- renewable energy project manager
- researcher
- science and technology policy advisor
- senior policy analyst
- sustainability consultant
- sustainability specialist
- urban and regional planner

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/graduate-degrees/doctor-of-philosophy-in-sustainable-energy/
WCPH 300LT
SustainabilityGrad@asu.edu
480-727-6963

## Sustainable Food Systems, MS (SUSUSFSMS)

**Online Degree Search Title:** Sustainable Food Systems, MS
**Campus:** Online

**Program Description:** The MS in sustainable food systems is a research-oriented degree program in which students develop an understanding of present-day health, agriculture and environmental policy; develop strategies to lead policy discussions; interact with a network of food and agriculture policy leaders and mentors; and apply their knowledge and skills to address problems related to food and food systems.

This program also allows students to spend a week meeting with food producers in Arizona and a week meeting with policymakers in Washington, D.C. Students participate in research projects and professional presentations that contribute to food policy knowledge among sustainable food system advocates.

Graduates of the program are able to employ solutions-based thinking and a dynamic systems framework to create the inclusive, diverse and resilient food systems of the future.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Sustainable Food Systems, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (SFS 596).
Required Core (21 credit hours)
SOS 508 Pathways to Sustainability (3)
SOS 509 Leading Sustainability Transitions (3)
SFS 560 Tools and Tactics for Food Policy Change (3)
SFS 561 Food and Farm Immersion Experience (2)
SFS 562 Managing Natural Resources for Food Production (3)
SFS 563 Applied Food Policy Immersion Experience (2)
SFS 564 American Agriculture in the Global Context (2)
SFS 565 Organizational Leadership (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)

SFS 596 Capstone (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Global Futures.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- statement of intent
- two letters of recommendation
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of intent should not exceed 600 words and applicants must explain the goals they intend to achieve through their plan of study at the College of Global Futures, specifically in the field of sustainable food systems. Applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their plan of study. Finally, applicants should describe how their background will contribute to their success in the program.

Letters of recommendation must be from two people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-sustainable-food-systems/) for program descriptions and to request more information.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/students/graduate-students) is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students may also participate in a School of Sustainability study abroad program. More information is available of the College of Global Futures study abroad website (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/). Many students in the program also conduct research abroad as part of their culminating experience.

**Career Opportunities:** Results of the School of Sustainability's 2021 alumni employment survey show that 94% of master's degree program respondents are either employed or pursuing continuing education. Of those employed, 75% of respondents have jobs directly related to sustainability.

Graduates can use their training in sustainable food systems to advance their career in the food and agriculture sector. Career opportunities include:

- chief sustainability officer
- sustainability manager
- food policy analyst
- policy director
- senior advisor for sustainable food systems

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/
WCPH 300LT

FoodSystemsGrad@asu.edu
480-727-6963

# Global Management, Thunderbird School of

## Applied Leadership and Management, MALM (TBALMMALM)

**Online Degree Search Title:** Applied Leadership and Management, MALM
**Campus:** Online
ASU is no longer accepting new students to this program. Interested students should apply to the Leadership and Management MLM (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TBLDMGMLM/leadership-and-management-mlm) program.
**Program Description:** Professionals expand their management and leadership repertoire while sharpening their business skills in Thunderbird School of Global Management's MALM program, earning a unique graduate degree with classes taught online by Thunderbird's world-class professors. The program provides mastery of modern practices for managers and executives in transnational organizations from a global perspective, delivering the highest quality graduate education in a flexible online format.

This is an in-depth, professional degree program that features applicable training in the nuances of managing a global business, government agency or nonprofit organization.

The Master of Applied Leadership and Management program combines cutting-edge management coursework with a truly global curriculum, cross-cultural communication and negotiation training, personal development and leadership components to prepare graduates to thrive as decision-makers in enterprises that operate across borders.

Designed to empower graduates with well-rounded, future-ready skill sets, this transformational master's degree provides a strategically choreographed progression through every facet of international management, with courses spanning the gamut of Thunderbird's online offerings, from accounting and data-driven decision making to global finance and marketing. Students also receive hands-on, experiential learning opportunities in practical, real-world situations through elective courses that allow them to apply the full range of professional skills acquired during their studies.

The Master of Applied Leadership and Management allows students to work at their own pace to earn their degree in as few as 12 months. The program is designed specifically for students from around the world and allows them to join the globally connected Thunderbird alumni network that opens doors and opportunities all over the planet. More information is available on the Thunderbird alumni website (https://thunderbird.asu.edu/alumni?action).

Specializations
Thunderbird's Master of Applied Leadership and Management degree offers optional specializations, one delivered in English and three delivered in Mandarin. Students are asked to see the Thunderbird website for details.

The global and public affairs specialization is delivered in English, and more information is available on the program website (https://thunderbird.asu.edu/degree/graduate/master-leadership-management).

The data analytics, financial management and global business specializations are delivered in Mandarin. More information on these specialization areas are available on the ASU Online website (https://www.asuonline.cn/mlm/).

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Global Management, BGM
- International Trade, BS
- Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (TAM 542).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or TGM 506 Communicating and Negotiating Across Cultures (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)
TAM 542 Global Leadership and Personal Development (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume or CV
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The English proficiency requirements are the same as the Graduate College requirements.

Two years of work experience is preferred but not required.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to inspire others in a global world.
- •Develop the ability to analyze complex global issues concisely.
- •Develop the ability to be an effective communicator and negotiator in a cross-cultural setting.

**Global Opportunities:**
Global Experience: Students in the Master of Applied Leadership and Management program have the unique opportunity to apply their learning in an international setting. Some options include:

Global Field Seminars --- During this course students will experience an intensive one-week immersion in-country. Students enjoy a hands-on learning experience in a focused region of the world, comprised of company site visits, high-level meetings and presentations with business, government and cultural leaders as well as Thunderbird alumni. Through these interactions, students learn the challenges and opportunities that make doing business in the region unique.

Thunderbird Global Challenge Laboratories --- This is a client-facing, project-based course that involves a one-week immersion in-country. Projects are tailored to the business needs of the client and provide sophisticated data and market analysis; strategy recommendations; and practical, effective plans for sustained growth. For more information, students should visit the Thunderbird Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

The program fee for one Global Field Seminar or Global Challenge Lab experience is included in the tuition and fees for the Master of Applied Leadership and Management degree. Airfare and incidental expenses are extra.

**Career Opportunities:** More than ever, today's global organizations need versatile leaders and managers with creative problem-solving skills who can elevate diverse teams across cultures in multiple markets around the world. The Master of Applied Leadership and Management prepares graduates to lead in all sectors: government, private enterprise, NGOs and nonprofits.

Career examples include:

- compensation and benefits managers
- financial analysts
- human resources managers
- logistics analysts
- logistics managers
- management analysts

- marketing managers
- sales managers
- supply chain managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-leadership-management
TGHB 209
MALMadvising@thunderbird.asu.edu
602-496-7100

## Global Affairs (Certificate), Certificate (TBGAFGRCT)

**Online Degree Search Title:** Global Affairs (Graduate Certificate)
**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program.
**Program Description:** The graduate certificate program in global affairs is designed to provide an in-depth study of the global political economy, global theory, global institutional environment, decision-making and global strategy.

The global affairs certificate provides a foundation for students to become globally-minded policymakers serving in national, regional or local government agencies; international or nongovernmental organizations; or multinational corporations. The school's innovative and practical curriculum (a strong core of global business management skills, international political economy and cross-cultural training) is delivered through a transdisciplinary approach.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**
15 credit hours including the required capstone course (TGM 598).
Required Core (12 credit hours)
SGS 501 Global Theory (3)
SGS 502 Global Institutions and Actors (3)
SGS 503 Methods: Global Decision Making Under Uncertainty (3)
POS 591 Seminar (3)

Culminating Experience (3 credit hours)
TGM 598 Special Topics (Capstone Course)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** Graduates who have combined the certificate in global affairs with their major program of study may become more marketable to employers. They often decide to pursue employment in government, nonprofit and social impact areas.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Affairs and Management, MA (TBGAMMA)

**Online Degree Search Title:** Global Affairs and Management, MA
**Campus:** Downtown Phoenix, ASU at Washington, D.C.
ASU is not currently accepting applications for this program. Applications for this program will reopen for Fall 2024.
**Program Description:** The MA in global affairs and management is a transdisciplinary degree program that covers all aspects of global affairs and management, including global relations, political economy and cross-cultural communications, while supplementing this valuable international affairs curriculum with core courses in accounting, finance, management and marketing.

The program prepares students with the tools and insight needed to address complex issues in diplomacy, business and society and to bring an increased focus on social responsibility to corporate employers.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**
30 credit hours including the required capstone course (TGM 545).
Required Core (3 credit hours)
TGM 575 Global Affairs (3)

Other Requirements (18 credit hours)
TGM 501 Global Accounting (3)
TGM 502 Financial Management for Global Value Creation (3)
TGM 503 Global Marketing (3)
TGM 504 Managing Organizations from a Global Perspective (3)
TGM 505 States and Markets in a Global Economy (3)
TGM 508 Regional Business Environment I: Emerging Markets (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
TGM 545 Global Leadership and Strategy (3)

Additional Curriculum Information
Other requirements courses may be substituted with approval of the academic unit.

For elective coursework, students should see the academic unit for the approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE may be required
- one letter of recommendation
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants are exempt from taking the GMAT or GRE if they have five or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Develop the ability to analyze complex global issues concisely.
- •Develop the ability to strategize with impact in a complex world.

**Global Opportunities:**
Global Experience: Students can choose to travel abroad by adding one of Thunderbird's immersive week-long global challenge labs or field seminars.

Global Field Seminar
This one-week, for-credit seminar offers a hands-on learning experience in a focused region of the world, comprised of site visits, high-level meetings and presentations with business, government and cultural leaders to learn what makes doing business in the region unique.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a one-week immersion assignment in destinations all over the world. Projects are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird global challenge labs website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- business continuity planners
- diplomats
- foreign service officer
- intelligence analysts
- political scientists
- regulatory affairs specialists
- social and community service managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Affairs and Management (Executive), MA (TBGAMEMA)

**Online Degree Search Title:** Global Affairs and Management - Executive, MA
**Campus:** ASU at Washington, D.C.

**Program Description:** At the Intersection of Global Business and Global Policy
Today's world needs future-ready global leaders and managers more than ever. Accelerating global complexity and dynamism in this Fourth Industrial Revolution is reshaping how people create value, work and live.

This one-year MA program in global affairs and management with an executive focus provides a digital global mindset and a unique combination of hard and soft skills for leading systems and new enterprises, managing complexity, disruptive innovation, digital transformation, collaborative problem-solving and creating sustainable global futures across geographies, cultures and sectors.

Based in Washington, D.C., the program is tailored for mid-career professionals in all sectors, offering specializations in global business or global public policy. The schedule --- most classes meet every other Friday and Saturday --- allows participants to remain working while earning their degree. Students can choose to travel abroad by adding one of Thunderbird's immersive week-long global challenge labs or field seminars.

Earning this leading-edge executive master's degree prepares graduates for executive leadership positions within their existing organizations or to make a bold move in their careers by switching industries entirely. The program allows students to earn a master's degree from a top global leadership and management school in as little as one year, so that they can immediately put their newly acquired skills to work and leverage

Thunderbird's global alumni network to advance their career goals.

Global Leadership for the Fourth Industrial Revolution
Thunderbird's executive Master of Arts program in global affairs and management in Washington, D.C., includes an intensive focus on how to manage the systemic hazards facing the business and policy worlds. Policymakers and business leaders alike learned from the financial crisis of 2008 that they need to understand the risks emerging from interactions in interdependent financial institutions, rather than merely looking at each institution on its own. From the coronavirus pandemic to global social unrest to the ever more evident impacts of climate upheaval, such systemic fragilities are becoming ever more apparent. To build more robust organizations and resilient societies, new mindsets and new tools are needed.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**
30 credit hours including the required capstone course (TGM 545).
Required Core (3 credit hours)
TGM 575 Global Affairs (3)

Electives (9 credit hours)

Other Requirement (15 credit hours)
TGM 505 States and Markets in a Global Economy (3)
TGM 518 International Finance and Trade (3)
TGM 549 Global Leadership (3)
TGM 577 International Organizations (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)

Culminating Experience (3 credit hours)
TGM 545 Global Leadership and Strategy (3)

Additional Curriculum Information
Students focus their elective courses in a specific area approved by the academic unit. Other requirement courses may be substituted with approval of the academic unit.

Coursework on complex systems provides a framework for insights into how many social, economic and ecological systems actually work, and --- despite the inherent uncertainties in such systems --- how to manage them, using a much larger toolkit than the standard tools of policy and business analysis.

A key element of managing complexity and uncertainty is the engagement of a wide range of stakeholders in decision-making. Multiple required courses and elective courses cover techniques for facilitating productive multi-stakeholder engagement in the context of complex global systems. For example, in the core course on the craft of global networks in global affairs, students learn how and why to build resilient collaborations across borders and sectors in issues from health to human rights, war to economic renewal, the environment to terrorism.

The program culminates in the global leadership and strategy capstone course, which enables students to apply the new form of leadership needed to manage complex systems through a deep dive into addressing a specific real-world problem. The course thus pulls together the full set of capabilities required to excel at the top of a global organization.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Develop the ability to analyze complex global issues concisely.
- •Develop the ability to strategize with impact in a complex world.

**Global Opportunities:**
Global Experience: Students can choose to travel abroad by adding one of Thunderbird's immersive week-long global challenge labs or field seminars.

Global Field Seminar
During this course, students experience an intensive, one-week immersion in-country. Students enjoy a hands-on learning experience in a focused region of the world, comprised of company site visits, high-level meetings and presentations with business, government and cultural leaders as well as Thunderbird alumni. Through these interactions, students learn the challenges and opportunities that make doing business in the region unique.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a one-week immersion assignment in destinations all over the world. Projects are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird global challenge labs (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab) website.

**Career Opportunities:** Career examples include:

- adjunct professor
- chief executives
- chief sustainability officers
- general and operations managers
- human resources managers
- lawyer and officer at the Joint Chief of Staff
- leaders of international organizations
- leaders in federal and state governments
- managing partners at consulting firms
- senior diplomat

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/executive/executive-master-arts-global-affairs-and-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Development (Certificate), Certificate (TBGDVGRCT)

**Online Degree Search Title:** Global Development (Graduate Certificate)
**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program.
**Program Description:** Thunderbird's graduate certificate program in global development provides an in-depth study of the global political economy as well as social entrepreneurship, community and social engagement, international nongovernmental organizations and global strategy, giving students the skills they need to make a difference in a global society.

Content in each course is developed by top-ranked Thunderbird faculty and provides students with world-class professional development in a variety of subject areas. The school's innovative and practical curriculum, with a strong core of global business management skills, international political economy and cross-cultural training, is delivered through a transdisciplinary approach.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
TGM 510 Strategies in Global Development (3)
TGM 585 Corporate Social Responsibility in a Global Context (3)

Electives (9 credit hours)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** Graduates who have combined the certificate in global development with their major program of study may become more marketable to employers. They often decide to pursue employment in nonprofit and social impact areas.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Finance (Certificate), Certificate (TBGFINGRCT)

**Online Degree Search Title:** Global Finance (Graduate Certificate)
**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program.
**Program Description:** The graduate certificate program in global finance provides specialized content knowledge in financial management, investments, private equity and portfolio management for business, governmental and nongovernmental entities that operate on a global scale. Knowledge of global and regional economic and political landscapes, multinational tax management and country risk analysis are key in financial decision-making.

The courses in this program position students in multinational entities where the accounting emphasis is on international financial reporting standards rather than the United States' generally accepted accounting principles and financial value creation is contingent on efficient management of cross-border transfer pricing, tax planning, currency hedging and interest rate risks. The courses help students explore the business and management differences in countries with varying corporate governance, joint venture structures and financial measures of country business performance. Courses emphasize an experiential approach to learning, using case studies featuring companies across the globe with different cultures and complex legal environments.

The school's innovative and practical curriculum, with a strong core of global business management skills, international political economy and cross-cultural training, is delivered through a transdisciplinary approach.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
TGM 518 International Finance and Trade (3)
TGM 519 Derivatives and Risk Management: Strategies and Applications (3)

Electives (9 credit hours)

Additional Curriculum Information
Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants must have taken TGM 521 Managing for Global Value Creation and TGM 522 Global Financial Decisions, or TGM 502 Financial Management for Global Value Creation, or a three credit hour 500-level graduate course with a minimum grade of "B" (scale is 4.00 = "A") or its equivalent. Coursework must be from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business, European Quality Improvement System or Association of MBAs, or from other institutions with approval of the academic unit.

**Career Opportunities:** Graduates who have combined the certificate in global finance with their major program of study may become more marketable to employers. They often decide to pursue employment in corporate finance, internal audit or investment banking areas.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Leadership and Management, DPP (TBGLMDPP)

**Online Degree Search Title:** Global Leadership and Management, DPP
**Campus:**

**Program Description:** The DPP program in global leadership and management is designed to prepare practitioners to be responsive to 4th Industrial Revolution challenges and to develop potential leaders and managers facing these challenges. Students with senior-level work experience who are interested in developing their leadership and management capabilities in today's digital environment to help organizations transform are especially sought for the program.

Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Degree Requirements:**

60 credit hours including a written comprehensive exam and the required applied project course (TGM 793).
Required Core (18 credit hours)
TGM 705 Philosophies, Theories and Methods of Research (3)
TGM 710 Shaping the Future: The Fourth Industrial Revolution and Digital Transformation in a Global Economy (3)
TGM 715 States and Markets in the 4th Industrial Revolution Global Economy: Applications for Global Leaders (3)
TGM 720 Qualitative Analysis for Systems Thinkers: Learning from the Field (3)
TGM 730 Systems Change and Transformation in the Anthropocene (3)
TGM 740 Leading and Managing Global Organizations: Advanced Topics (3)

Restricted Electives (15 credit hours)

Electives (6 credit hours)

Research (18 credit hours)
TGM 750 Problem Identification and Research Design: Directed Study (3)
TGM 755 Review of Literature: Directed Study (3)
TGM 760 Project Impact Assessment: Directed Study (3)
TGM 765 Independent Applied Field Research: Directed Study (3)
TGM 770 Final Project Draft: Directed Study (3)

Culminating Experience (3 credit hours)
TGM 793 Applied Project (3)

Additional Curriculum Information
When approved by the student's supervisory committee and Graduate College, 15 credit hours from a previously awarded master's degree are allowed to be used for this degree.

Students should consult with the academic unit for selection of open electives and restricted electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Preferred applicants have eight years of senior-level work experience. This information should be reflected in the applicant's professional resume.

The applicant's written statement should demonstrate a global perspective and desire for an applied focus in their program.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply concepts of social capital to their research through the creation of relationships with people from various countries and cultures from across the world
- •Conduct independent, basic or applied research, in the field of global leadership and management that includes a thorough literature review, development of appropriate methodology and analysis, and written communication of the results.
- •Translate their own research knowledge into practice and/or policy that influences global leadership and management.

**Global Opportunities:**
Global Experience: Thunderbird's network of 16 Centers of Excellence from Los Angeles to Tokyo, and Moscow to Nairobi provides a truly global

presence that facilitates academic offerings in major commercial centers around the world, connecting and engaging its worldwide alumni network and supporting international research and employment opportunities. With more than 45,000 distinguished alumni in 145 countries and a rapidly-expanding network of satellite Centers of Excellence in all regions, Thunderbird delivers cutting-edge and fit-for-purpose programs across the globe.

**Career Opportunities:** Graduates of this program have gained knowledge and skills and developed their leadership and management capabilities to manage the rapid disruptions happening now to traditional business and industry processes. Students can advance and transform their careers through practical, research-based approaches and apply them to globally oriented public, private, governmental or nonprofit organizations.

Career examples include:

- chief executive officer
- chief operating officer
- director
- financial manager
- general manager
- government official
- public policy analyst
- senior organization consultant
- supply chain manager
- sustainability officer

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Leadership and Strategy, MGLS (TBGLSMGLS)

**Online Degree Search Title:** Global Leadership and Strategy, MGLS
**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program.
**Program Description:** The MGLS is a global cohort executive leadership and strategy program that centers on development of students' advanced capabilities to conceptualize and deliver profitable growth along with the competencies to lead strategy execution efforts in a complex and dynamic global environment. This innovative program closely patterns executive decision realities by orienting around key themes that naturally flow, from the macro to the micro, global to local, public to private, interweaving relevant disciplines to address the pressing issues executives face. It is transdisciplinary in both approach and execution.

The Master of Global Leadership and Strategy program combines thematically anchored content with field-deployed experiential learning projects (alternating between developed and emerging markets) that allow participants to interact first-hand with leaders who shape policy and industry and to demonstrate executive acumen through action and response simulation, sprint consultancy engagement, and innovation challenge delivery. The result is a deeply innovative, action-oriented, global executive education experience.

**Degree Requirements:**
30 credit hours including the required capstone course (TGM 606).
Required Core (5 credit hours)
TGM 601 Megatrends: Understanding Future Drivers and their Influencers (5)

Other Requirement (20 credit hours)
TGM 602 Sustainable Futures: Building, Tapping and Creating Shared Value in a Changing World (5)
TGM 603 Shaping Markets: Market Entry and Winning Strategies (5)
TGM 604 Capturing Dividends: Finding, Fostering and Exploiting New Insights (5)
TGM 605 Deliver Results I: Resourcing and Influencing to Maximize Impact (5)

Culminating Experience (5 credit hours)
TGM 606 Delivering Results II: Peak Dynamism Execution and Comprehensive Debrief (5)

Additional Curriculum Information
Other requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- letter of intent or written statement
- admission interview(s)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants should be of high potential, i.e., selected by their organization as on a trajectory to senior executive positions. They must have eight years of leadership or executive experience.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to inspire, influence and motivate others in a global world.
- •Develop the ability to analyze, digest, and interpret complex global issues concisely.
- •Develop the ability to leverage shared value creation to drive innovation.

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/executive
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Leadership and Strategy, MGLS (TBGLSXMGLS)

**Online Degree Search Title:** Global Leadership and Strategy - Executive, MGLS
**Campus:** Downtown Phoenix

**Program Description:** Thunderbird School of Global Management's MGLS program with an executive focus delivers an immersive training experience for executives that takes the student inside the boardrooms of businesses and governments around the world, providing actionable insights into the strategy and leadership nuances at play in today's complex and dynamic global economy.

Through an integrated curriculum that follows a thematic pattern mirroring executive decision-making realities, students engage in online courses and onsite experiential learning opportunities that develop their global mindset and bring them face-to-face with leaders of transnational enterprises who shape policy and industry.

The program consists of six rigorous courses of five credits each, deep dives led by eminent professors and practitioners into topics such as global business megatrends, building sustainable enterprises, and tapping into emerging markets. The six onsite modules are delivered in key global locations, taking students on a transformative journey that includes in-person learning experiences in Los Angeles, Geneva, Nairobi, Mumbai, Shanghai and São Paulo. These travel-training adventures feature powerful professional development experiences such as attending exclusive business and government roundtables or taking part in targeted site visits that offer inside access to regional business. All in-person instruction follows a schedule designed for working professionals and is supplemented by sophisticated online coursework.

The Master of Global Leadership and Strategy program breaks free of the traditional, lock-step curriculum of other graduate business programs, immersing the student in hands-on, culturally complex leadership situations that build their analysis and decision-making capabilities, enhance their executive presence and accelerate their career advancement.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**

30 credit hours including the required capstone course (TGM 606).
Required Core (5 credit hours)
TGM 601 Megatrends: Understanding Future Drivers and Their Influences (5)

Other Requirements (20 credit hours)
TGM 602 Sustainable Futures: Building, Tapping and Creating Shared Value in a Changing World (5)
TGM 603 Shaping Markets: Market Entry and Winning Strategies (5)
TGM 604 Capturing Dividends: Finding, Fostering and Exploiting New Insights (5)
TGM 605 Delivering Results I: Resourcing and Influencing to Maximize Impact (5)

Culminating Experience (5 credit hours)
TGM 606 Delivering Results II: Peak Dynamism Execution and Comprehensive Debrief (5)

Additional Curriculum Information
Other requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to inspire, influence and motivate others in a global world.
- •Develop the ability to analyze, digest, and interpret complex global issues concisely.
- •Develop the ability to influence, formulate and implement impactful strategies regionally and globally.

**Global Opportunities:**
Global Experience: Students obtain global experience with six onsite modules in dynamic global locations.

**Career Opportunities:** Graduates are equipped with the executive skills and hands-on experience that organizations around the world demand in order to seize the immense opportunities offered in this era of technological transformation and economic complexity, including leading global enterprises at the intersections of business, society, science and technology.

Career examples include:

- chief executives
- chief sustainability officers
- consultants
- entrepreneurs
- general and operations managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/executive
TGHB 209
admissions.tbird@asu.edu
602-496-7100

# Global Management, MGM (TBTGMMGM)

**Online Degree Search Title:** Global Management, MGM
**Campus:** Downtown Phoenix, Online

**Program Description:** Thunderbird's specialized MGM program delivers cross-cultural, hands-on training in the nuances of international management, preparing students with the perfect balance of practical and people skills to inspire, influence and drive global success. Students globalize their mindset and marketability by pairing their deep-dive leadership training with an innovative concentration area, foreign language options, practical training, consultative collaborations with corporate partners, internships, real-world simulations and study abroad modules.

Programs start in August or January with a 16- or 21-month track.

The accelerated MGM (https://thunderbird.asu.edu/degree/accelerated/accelerated-master-global-management) allows students to earn both a bachelor's and master's degree in as few as five years. With the help of their undergraduate academic advisor, this cost-effective option allows students to take 12 credit hours of core master's degree classes during their senior year based on their major map.

Students in the MGM program can choose from one of the 16 concentration areas or design their own concentration. This program features three concentration options for STEM specializations that meet F-1 student visa status requirements, starred below.

Thunderbird concentrations:

- global affairs
- global business*
- global digital transformation*
- global entrepreneurship

Concentrations offered in partnership with other ASU schools and colleges:

- creative industries and design thinking
- data science*
- development and innovation
- digital audience strategy
- health care delivery
- integrated health care
- legal studies
- nonprofit leadership and management
- public administration
- public policy
- sustainability solutions
- sustainable tourism

Students complete rigorous core courses in global management, international political economy and cross-cultural engagement, with electives spanning the gamut of the university's offerings. The result is a flexible, multidisciplinary curriculum featuring a rich variety of coursework in international business and management, social sciences and humanities.

A Thunderbird education features experiential learning for exponential impact. Applied learning courses give students diverse opportunities to work face-to-face with clients or participate in real-life simulations as part of their program. Students have a variety of options to develop and refine their hard skills by choosing from a wide spectrum of hands-on courses and applied learning offerings that are at once practical and cutting-edge, preparing them to enter the workforce and thrive immediately. These real-world experiences are built into the curriculum, ensuring 100% participation from Thunderbird students.

Moving from theory to real-world practice, students get invaluable experience by taking on projects for major corporations and other global organizations, including nonprofits and government agencies. In the Global Challenge Labs, students work on consulting projects in emerging markets while developing leadership, cultural sensitivity and international business acumen.

In the Global Organizational Consulting program, students gain distinctive experience in consulting frameworks through client projects. Internships allow students to work for multinational businesses in a wide variety of industries in full-time positions for at least eight weeks on graduate-level projects or over the summer. Thunderbird's simulations present real-world scenarios in the areas of global marketing, global finance and global strategy, allowing students to test solutions in a sandbox setting. They can also travel to specific regions to study local business practices, master intercultural management skills and develop international relationships that can last a lifetime.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Computing, BS
Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Asian Languages (Chinese), BA
Asian Languages (Japanese), BA
Biochemistry, BS
Biochemistry, BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Biomedical Sciences), BS
Biological Sciences (Conservation Biology and Ecology), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Biotechnology and Bioenterprise, BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Communication, BS
Communication, BA
Economics, BS
Economics, BS
Economics (Politics and the Economy), BS
Engineering (Automotive Systems), BSE
Engineering (Electrical Systems), BSE
Engineering (Mechanical Engineering Systems), BSE
Engineering (Robotics), BSE
Engineering Management, BSE
English, BA
Finance, BS
French, BA
General Studies, BA
German, BA
Global Health, BA
Global Management, BGM
Health Care Administration and Policy, BS
Health Sciences, BS
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
Interdisciplinary Arts and Sciences, BA
International Letters and Cultures (Arabic Studies), BA
International Letters and Cultures (Classical Civilization), BA
International Letters and Cultures (Classics), BA
International Trade, BS
Italian, BA
Jewish Studies, BA
Latin American Studies, BA

Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Microbiology (Medical Microbiology), BS
Molecular Biosciences and Biotechnology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Philosophy, Religion and Society, BA
Political Science, BS
Political Science, BA
Psychology, BS
Psychology, BA
Psychology, BA
Psychology, BS
Psychology (Forensic Psychology), BS
Psychology (Forensic Psychology), BA
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS
Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Sustainability), BS
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Russian, BA
Social Justice and Human Rights, BA
Social and Behavioral Sciences, BA
Social and Behavioral Sciences, BS
Sociology, BA
Sociology, BS
Spanish, BA
Supply Chain Management, BS
Sustainability, BA
Sustainability, BS
Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours including a foreign language exam and the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Other Requirements (21 credit hours)
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Electives (24 credit hours)

Culminating Experience (1 credit hours)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
Proficiency in a second language is required for graduation from the MGM degree. Students whose native language is not English who meet the admission requirements for this program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework.

For electives coursework, students should see the academic unit for approved courses.

For other requirements coursework, other courses may be used with approval from the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The program is open to candidates from any undergraduate major.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- GMAT or GRE may be required
- one professional or academic reference
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-applied-leadership-management/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Employ technology to analyze data for decision making.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a five-week immersion assignment in a key emerging market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Thunderbird prepares graduates to enter this complex and exciting global economy with specialized, hands-on training in international business, cross-cultural relations, global political economy and regional business environments. With their global mindset, core professional skills, mastery of management principles and practices, and multicultural outlook, Thunderbird graduates are prepared for leadership roles in organizations with a global scope.

Career examples include:

- financial managers
- general and operations managers
- intelligence analysts
- logistics managers
- marketing managers
- market research analysts and marketing specialists
- management analysts
- social and community services managers
- sustainability specialists
- supply chain managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management, MGM (TBTGMXMGM)

**Online Degree Search Title:** Global Management (Executive), MGM
**Campus:** Downtown Phoenix

**Program Description:** Global management, evolved
Thunderbird School of Global Management's MGM program with an executive focus is designed for experienced professionals interested in broadening their global outlook and their worldwide network. The program combines cutting-edge management coursework, cross-cultural insight and regional studies to prepare graduates to lead transnational businesses, nonprofit organizations or government agencies. With the busy schedules of working professionals in mind, this specialized master's degree is designed to be completed as a lock-step program in 12 months.

Thunderbird's highly ranked Master of Global Management is an interactive learning experience delivered through hands-on training by prominent professors in international management strategies and through collaboration with executive-level classmates. Students master cultural nuances affecting regional business environments around the globe. Traditional business courses like accounting, finance and marketing are available as electives --- all taught through a global lens --- giving graduates the perfect balance of practical and people-influencing skills to inspire and drive success.

Students in the executive focus program learn to lead teams and manage projects across borders and across all levels of an organization that operates in different locations around the world. This program goes beyond the traditional executive-level business degree, offering comprehensive instruction in global management disciplines as well as cross-cultural communications, negotiations and international political economy. With its transdisciplinary philosophy blending business and trade, public policy and international affairs, the well-rounded curriculum builds capability in every facet of international management, featuring hands-on, experiential learning opportunities and practical, applicable explorations of the intricacies of leading global enterprises.

Residence modules and experiential learning
The yearlong executive focus program begins with an intense residence module delivered in the school's state-of-the-art facilities located in the downtown business district of Phoenix, the nation's fifth-largest and fastest-growing city. Throughout the program, the cohort meets on weekends

for in-person instruction with Thunderbird faculty.

The program also offers global field seminars --- hands-on learning experiences in a focused region of the world --- composed of site visits, high-level meetings and presentations with local businesses, governments and cultural leaders, to learn what makes doing business in the region unique.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**
31 credit hours including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Other Requirements (15 credit hours)
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 530 Big Data in the Age of the Global Economy (3)
TGM 549 Global Leadership (3)
TGM 598 Topic: Global Digital Transformation (3)
TGM 598 Topic: Lifelong Personal Leadership in the Global Economy (3)

Electives (12 credit hours)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For other requirements, the academic unit may approve other courses to be used than those listed.

For electives coursework, students should see the academic unit for the approved course list.

Students are allowed up to six credit hours of 400-level courses on the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The program is open to candidates from any undergraduate major.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

GRE or GMAT scores may be required after a complete review of the student's application material, including resume, academic transcripts and letter of recommendation.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Employ technology to analyze data for decision making.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in the executive Master of Global Management program travel with classmates on one faculty-led Global Field Seminar or Global Challenge Lab during the program.

Global field seminar
This one-week, for-credit seminar offers a hands-on learning experience in a focused region of the world, comprised of site visits, high-level meetings and presentations with business, government and cultural leaders to learn what makes doing business in the region unique.

Thunderbird global challenge laboratories
This is a client-facing, project-based course built on a one-week immersion assignment in a key emerging market or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations, and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird global challenge lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Examples of career opportunities include professional titles such as:

- chief compliance officer
- chief executive officer
- chief financial officer
- chief information officer
- chief marketing officer
- chief operating officer
- chief sustainability officer
- executive director
- vice president

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/executive/executive-master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Creative Industries and Design Thinking), MGM (TBGMCIDMGM)

**Online Degree Search Title:** Global Management (Creative Industries and Design Thinking), MGM
**Campus:** Downtown Phoenix

**Program Description:** The World Economic Forum reports that empathy and collaboration are two critical abilities for global manager success. These are equally critical for those seeking careers in creative industries and industries that use design thinking. These abilities rely on the development of social capital. Students in this program have the ability to build sustainable, trusting relationships --- the basis of social capital --- with others from diverse parts of the world by developing a deep capacity for intercultural empathy, the ability to have an interpersonal impact and the ability to act with diplomacy. This program is designed to develop a student's social capital through field-based action learning, team-based projects and stretch assignments.

This concentration is offered in collaboration with the Herberger Institute for Design and the Arts (https://herbergerinstitute.asu.edu/).

Inventive thinking. Innovative leadership.
There is an entrepreneurial skills gap among traditional art and design graduates, which can be filled by this program. The National Strategic National Arts Alumni Project survey of over 100,000 art and design graduates indicates that while 77% of architecture graduates and 75% of fine arts graduates believe entrepreneurial skills to be somewhat or very important, only 24% and 21% respectively gained the necessary entrepreneurial knowledge and skills as undergraduates.

The MGM program with a concentration in creative industries and design thinking teaches students critical skills with an interdisciplinary focus to meet a current need in the globally expanding field of creative industries. Additionally, providing students with an entrepreneurial skill set strengthens their ability to connect interdisciplinary knowledge of the cultural industries with design thinking methodology, building on management skills and the ability to apply entrepreneurial vision to the globally interconnected sector of art and design. Students are exposed to design-thinking pedagogy as they increase their capacity for interpersonal communication, public communication, opportunity recognition, network and systems thinking, problem recognition and creativity, as well as demonstrated abilities in cultural leadership, knowledge of the creative industries, distribution of creative products, the creative process and management of innovation in the creative industries.

This master's degree program empowers students to advance innovation in the cultural sector, support creative work and careers, harness social capital and design public and private enterprises that will strengthen arts and design in the future. The program prepares graduates to understand the complex economic, legal, political and social contexts that surrounds any innovation or enterprise.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or

TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (6 credit hours)
HDA 513 Applied Creative Research and Evaluation Methods (3)
HDA 521 Counting Arts and Culture: Reasoning with Empirical Evidence (3)

Restricted Electives (6 credit hours)
GRA 501 Creative Environment and Collaborative Leadership (3)
HDA 522 Media Literacy and Distribution (3)
creative enterprise development elective (3)
leadership elective (3)

Open Electives (12 credit hours)

Other Requirement (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For restricted electives, students either take HDA 522, GRA 501, a creative enterprise development elective or leadership elective for a total of six credit hours.

Open electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Apply design thinking to identify challenges to and opportunities for success in the creative industries.
- •Develop the ability to inspire, influence and motivate others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes Thunderbird students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird global challenge lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- intelligence analysts
- instructional designers and technologists
- management analysts
- marketing managers
- market research analysts and marketing specialists
- sales managers
- social and community services managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Data Science), MGM (TBGMDSCMGM)

**Online Degree Search Title:** Global Management (Data Science), MGM
**Campus:** Downtown Phoenix

**Program Description:** This STEM-designated* MGM program in global management with a concentration in data science, designed in partnership with ASU's School of Computing and Augmented Intelligence in the Ira A Fulton Schools of Engineering, is offered to students who are interested in gaining both global management and data management expertise in order to work in multinational corporations, international nonprofit entities, governmental and nongovernmental organizations around the globe.

As global companies and organizations in the Fourth Industrial Revolution continue to rely on data to drive management decisions, it is increasingly important for leaders to have the skills necessary to understand and interpret that data.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

*As an added bonus for international students, this program meets special F-1 international student status requirements. This means that international students who graduate with the data science concentration qualify for a 24-month extension to their Optional Practical Training in the United States beyond the 12-month period already provided to international students in non-STEM degrees.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Language and Culture), BA
Business (Statistics), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
Liberal Studies, BA
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
CSE 511 Data Processing at Scale (3) or CSE 512 Distributed Database Systems (3)
CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)
Choose two from the following:
CSE 510 Database Management System Implementation (3)
CSE 515 Multimedia and Web Databases (3)
CSE 546 Cloud Computing (3)
CSE 573 Semantic Web Mining (3)
CSE 578 Data Visualization (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirements coursework may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English who meet the admission requirements for the program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Able to use big data analytics tools and develop frameworks that are critical for providing meaningful information to make business decisions.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated

data and market analysis, strategy recommendations, and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- computer and research information scientists
- instructional designers and technologists
- intelligence analysts
- management analysts
- market research analysts and marketing specialists

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Digital Audience Strategy), MGM (TBGMDASMGM)

**Online Degree Search Title:** Global Management (Digital Audience Strategy), MGM
**Campus:** Downtown Phoenix

**Program Description:** The World Economic Forum reports that empathy and collaboration are two critical abilities for a global manager's success. These abilities rely on the development of social capital, and they are equally critical for those seeking careers in digital audience strategy. This program is designed to develop social capital through field-based action learning, team-based projects and stretch assignments. Students have the ability to build sustainable trusting relationships --- the basis of social capital --- with others from diverse parts of the world by developing intercultural empathy, the ability to have an interpersonal impact and the ability to lead with diplomacy.

Digital marketing is expected to have annual growth, and advances in technology have brought programming and data analysis within reach for individuals who are far less technically trained. This has created a new class of hybrid jobs that combine digital skills with marketing and design (Burning Glass). In response to this trend, Thunderbird School of Global Management has designed the digital audience strategy concentration within the MGM degree program in collaboration with the Walter Cronkite School of Journalism and Mass Communication (https://cronkite.asu.edu/).

Digital Reach. Global Impact.
The concentration in digital audience strategy is designed for students interested in augmenting their digital skills in the areas of marketing, design and product development. Through a collaborative sequence of courses offered in partnership with other ASU colleges, students can combine the global management skills found in graduates of the traditional Master of Global Management with digital expertise.

Strong quantitative and qualitative research methods provide the foundation of effective digital audience strategy, and graduates of the program master the ability to conduct research to identify and reach target audiences and to demonstrate returns on investments.

The research used to identify and reach target audiences through digital audience strategy includes traditional and emerging methods such as real-time website and social media audience analysis, social network analysis, search engine optimization analysis, surveys, focus groups and competitive analysis. Graduates master a range of methods to inform strategy for specific outcomes.

This concentration is perfect for students who are interested in expanding and refining their digital skills in the areas of marketing, design and product development to complement a strong core of global leadership and management skills. A Master of Global Management from Thunderbird with a concentration in digital audience strategy prepares graduates to take on leadership roles around the world in industries such as entertainment, journalism, public relations, marketing and many others.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS

Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
MCO 561 Defining the Digital Audience (3)
MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)
MCO 563 Social Media Campaigns and Engagement (3)
MCO 564 Digital Audience Research and Behavior (3)
MCO 565 Digital Audience Analytics (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)
foreign language

TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For the concentration coursework, students must take MCO 561, then choose three courses from MCO 562, MCO 563, MCO 564 or MCO 565 for a total of 12 credit hours.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully complete six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Apply strategies and tactics for acquiring and engaging audiences in the digital sphere.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**

Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations, and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- instructional designers and technologists
- intelligence analysts
- management analysts
- marketing manager
- market research analysts and marketing specialists
- sales managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Global Affairs), MGM (TBGMGAMGM)

**Online Degree Search Title:** Global Management (Global Affairs), MGM
**Campus:** Downtown Phoenix

**Program Description:** Understanding the intersections between business and politics is more important than ever for managers and executives in the private, nonprofit and public sectors. The World Economic Forum's latest Future of Jobs Report and McKinsey Global Institute's Jobs of the Future report both have suggested that transdisciplinary, virtual collaboration and cross-cultural competence are extremely important job skills for the near future.

Thunderbird's MGM program with a concentration in global affairs equips students with the knowledge base and hard skills needed to thrive in the growing job markets at the nexus of global business and international politics.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA

Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

Electives (12 credit hours)

Other Requirement (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For concentration coursework, students choose four courses from an approved list for a total of 12 credit hours. Students should contact the academic unit for approved course list.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English who meet the admission requirements for the master's degree program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any subject or related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Evaluate how the political and economic factors shape the global community.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with

Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit Thunderbird's Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** This concentration prepares graduates to take on management and executive positions in government agencies such as the U.S. Department of Commerce, the State Department and the Treasury Department or similar roles in the government of a student's home country. The global affairs concentration also positions graduates for leadership roles in international organizations such as the World Bank or World Trade Organization and in major companies that require analysts to monitor policy trends, managers to oversee global supply chains and representatives to advance global business interests to governments, both domestic and foreign.

Career examples include:

- business continuity planners
- diplomats
- intelligence analysts
- political scientists
- regulatory affairs specialists
- social and community service managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Global Business), MGM (TBGMGBMGM)

**Online Degree Search Title:** Global Management (Global Business), MGM
**Campus:** Downtown Phoenix

**Program Description:** This STEM-designated MGM program with a concentration in global business delivers cross-cultural, hands-on training in the nuances of international management, preparing students with the perfect balance of practical and people skills to inspire, influence and drive global success.*

The concentration in global business allows students to specialize in the various pathways in global business such as global finance, global marketing, supply chain or management consulting. By developing students' skills such as cross-cultural competency, social and emotional intelligence as well as creative and adaptive thinking, this program helps sharpen their global mindset, along with leadership and management skills, preparing them for a boundless career as a global manager or leader in their chosen field.

Global business effectiveness requires knowledge and understanding of global dynamics, the ability to simplify and explain complex ideas, and a nuanced, cosmopolitan view of the world. These three dimensions form the basis of global intellectual capital. In the Master of Global Management degree program, this capital is built inside and outside the classroom through a cutting-edge international business curriculum reinforced with field-based projects that integrate international business experience, illustrating social proof of global intellectual capital mastery. The concentration in global business prepares students who aspire to become global managers or leaders in their chosen fields.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

*This program meets special F-1 international student status requirements. This means that international students who graduate with the global business concentration qualify for a 24-month extension to their Optional Practical Training in the United States beyond the 12 months already provided to international students in non-STEM degrees.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA

Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

Electives (12 credit hours)

Other Requirement (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)

TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For concentration coursework, students choose four courses from an approved list, which includes 500-level TGM courses, select SCM courses (502, 515, 520, 541 and 542) and HSM 550. Students should contact the academic unit for a full list of approved courses.

Students specialize their electives in various areas in global business such as global finance, global marketing or global leadership. Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English and who meet admission requirements for the program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or successfully completing six credit hours of 40- level or higher foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Develop the ability to analyze complex global issues concisely.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or

nonprofit organizations that operate on an international level.

Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge Lab (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab) website.

**Career Opportunities:** Career examples include the following:

- auditors
- financial analysts
- financial managers
- general and operations managers
- human resources managers
- intelligence analysts
- logistics managers
- marketing managers
- management analysts
- sales managers
- supply chain managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Global Development and Innovation), MGM (TBGMGDIMGM)

**Online Degree Search Title:** Global Management (Global Development and Innovation), MGM
**Campus:** Downtown Phoenix

**Program Description:** Recent research reveals that graduate programs in international development are in high demand. To meet this surging demand, Thunderbird School of Global Management created the development and innovation concentration within the MGM degree program.

Offered in collaboration with the School for the Future of Innovation in Society (https://sfis.asu.edu/school-future-innovation-society), the Master of Global Management in global development and innovation prepares global leaders to leverage innovation strategies to tackle development and planetary challenges. The ability to access the tremendous resources available throughout ASU for a truly customizable and transdisciplinary education sets this degree program apart.

Tailored to each student's ambitions and interests, this unique academic concentration is relevant to development practitioners who seek to complement their skills and experience and to those interested in pursuing careers in international development agencies within and beyond government as well as in nongovernmental organizations and community organizations at local, national and international levels.

Graduates are equipped with the analytical and practical skills and experience needed to engage critically as leaders in issues around innovation and development and to work across the intersections of innovation, development policy and global management. They are prepared to make a positive impacts in leadership roles alongside the school's global alumni network of professionals who are making a difference. Graduates have opportunities around the world to tackle some of humanity's most difficult and urgent challenges. They are on the frontline working as agents of change, advancing a shared vision of a world with inclusive and sustainable prosperity.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's

greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
GTD 501 Global Technology and Development (3)
GTD 503 Technology and the International Political System (3)
GTD 504 Technology and Development in Zones of Conflict (3)
GTD 505 Social Science Inquiry for Global Development (3)
GTD 506 Applied Project Methods in Global Development (3)
GTD 507 Technology and Development in the Middle East (3)
GTD 508 Technology and Development in Latin America (3)
GTD 509 Technology and Development in North Africa (3)
GTD 510 Technology and Development in Sub-Saharan Africa (3)
GTD 511 Development Policy and Practices (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For concentration coursework, students choose four courses from the approved list for a total of 12 credit hours.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Analyze competing theories and practices on global development and innovation.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's MGM program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit Thunderbird's Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- business continuity planners
- environmental economists
- environmental restoration planners
- regulatory affairs managers
- sustainability specialists
- urban and regional planners
- water resource specialists

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Global Digital Transformation), MGM (TBGMGDTMGM)

**Online Degree Search Title:** Global Management (Global Digital Transformation), MGM
**Campus:** Downtown Phoenix

**Program Description:** Thunderbird designed the STEM-designated global digital transformation concentration within the MGM degree program for students interested in augmenting their digital skills in the areas of management consulting, marketing, design and product development.*

Students can tailor this cutting-edge academic concentration to fit their specific learning goals. Through collaborative courses offered in partnership with other ASU colleges, students may combine the global management skills gained in the Master of Global Management with digital expertise to create a dual specialization that will continue to be in high demand throughout the global economy.

A new brand of leadership: global, digital, cross-sectoral, transdisciplinary.

The World Economic Forum reports that empathy and collaboration are two critical abilities for a global manager's success. These abilities are equally critical for those seeking careers in global digital transformation. They are skills that rely on the development of social capital. This program is designed to develop a student's social capital through field-based action learning, team-based projects and stretch assignments. Students can build sustainable trusting relationships --- the basis of social capital --- with others from diverse parts of the world. By developing a deep capacity for intercultural empathy, mastering interpersonal communication and negotiation skills, and cultivating the ability to act with diplomacy, as graduates they will be prepared to take on a leadership role in a global organization.

Digital transformation leadership is a highly sought-after expertise. However, technical skills need to be supplemented with a strong repertoire of management and collaboration skills. The Master of Global Management program with a concentration in global digital transformation expands students' choices of electives and fuses technological skills with managerial skills. In this concentration, students combine the global management skills of the Master of Global Management with digital expertise by specializing in the various pathways of global digital transformation through program coursework and applied learning projects guided by faculty experts.

*As a bonus for international students, this program meets special F-1 international student status requirements. This means that international students who graduate with the global digital transformation concentration qualify for a 24-month extension to their Optional Practical Training in the United States beyond the 12 months already provided to international students in non-STEM degrees.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS

Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

Electives (12 credit hours)

Other Requirement (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English and who meet the admission requirements for the program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
•Demonstrate proficiency in strategy and tactics for analytic decision making in and managing of digital transformation, emphasizing global management and marketing analytics.
•Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's MGM program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge Lab website (https://thunderbird.asu.edu/degree/graduate/master-global-management).

**Career Opportunities:** Career examples include:

- intelligence analysts
- logistics analysts
- management analysts
- marketing managers
- market research analysts and marketing specialists

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Global Entrepreneurship), MGM (TBGMGEMGM)

**Online Degree Search Title:** Global Management (Global Entrepreneurship), MGM
**Campus:** Downtown Phoenix

**Program Description:** Entrepreneurship activities continue to grow globally and increasingly, these innovative activities were triggered by opportunities rather than by the kinds of necessity that historically drove creativity for many decades around the world. The new digital technological transformation has created tremendous opportunities and led to an increase in the need for new, creative ventures. Additionally, the report also

found that the change in attitude toward entrepreneurship and regulations in various countries had sparked and perpetuated entrepreneurship activities.

To meet this market need, Thunderbird has designed the global entrepreneurship concentration within the school's top-ranked MGM degree program. This concentration is offered to students who are interested in starting their own business or who need to be entrepreneurial in the organizations they work for.

The World Economic Forum reports that empathy and collaboration are two critical abilities for a global leader's success. These abilities are equally critical for those seeking careers in global entrepreneurship, and they rely on the development of social capital. This academic concentration is designed to develop a student's social capital through field-based action learning, team-based projects and stretch assignments. Students learn and master proven methods and techniques to build sustainable, trusting relationships --- the basis of social capital --- with others from diverse parts of the world, developing intercultural empathy, the ability to have an interpersonal impact and the mental dexterity to act with diplomacy.

Global entrepreneurs are innovators who use their international business acumen and professional connections to identify transnational and cross-cultural opportunities, turning them into new value-generating initiatives. The Master of Global Management program with a concentration in global entrepreneurship provides a broad foundation of international business knowledge and sharpens students' entrepreneurial skills by helping develop business plans for global enterprises. This concentration offers learning opportunities specifically designed to foster innovation and economic growth worldwide to stimulate the growth of students into global entrepreneurs. Students build on a base of skills in areas such as finance and accounting with specialized education in research, pitching business ideas and analyzing markets for the viability of new products and services.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA

Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
TGM 524 Valuation of the Private Firm (3)
TGM 525 Global Financing and Forecasting for the Private Firm (3)
TGM 527 Global Private Equity (3)
TGM 598 Special Topics (1-4)

Electives (12 credit hours)

Other Requirement (21 credit hours)
foreign language
TGM 596 Thunderbird Experiential Practicum (6)

Students choose five courses from the following:
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 598 The Global Business Plan (3)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For concentration coursework, students choose four courses from an approved list. Students should see their academic advisor for the approved list of TGM 598 special topics.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Develop the ability to craft new business models for products or services.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's MGM program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit Thunderbird's Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- chief executives
- chief sustainability officers
- general and operations managers
- logistics managers
- purchasing managers
- sales managers

**Contact Information:**
Global Management, Thunderbird School of

Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Global Health Care Delivery), MGM (TBGMGHDMGM)

**Online Degree Search Title:** Global Management (Global Health Care Delivery), MGM
**Campus:** Downtown Phoenix

**Program Description:** Students gain practical skills and hands-on experience in both global management and health care delivery. Due to the aging population of the U.S. and the world, many careers of the future will involve health care services, including health care management and delivery. The U.S. Bureau of Labor Statistics predicts that careers in the field of medical and health care management will grow 20% between 2016 and 2026. The Bureau also estimates the median annual wage for health care managers is almost twice that of the U.S. median, making these leadership positions not only lucrative but impactful.

This MGM concentration allows graduates to meet the growing need for skilled health care managers who possess a solid foundation of international business skills and a global mindset.

The Master of Global Management program with a concentration in global health care delivery is designed for current or aspiring executives and managers in health care who would like to hone their leadership and business skills to position themselves for careers leading health care organizations around the world. Some health care practitioners, such as nurses and doctors, may also use the degree as a way to move from clinical practice into management roles.

The program addresses the current and future needs of the management workforce in the health care industry globally, including C-suite executives and administrators, health care providers (physicians, physician assistants, nurse practitioners and nurses), frontline staff (respiratory therapists, occupational therapists, physical therapists and dietitians) and students in medical disciplines.

Students master core and advanced skills in designing systems, processes and mechanisms used to optimize health care delivery anywhere in the world. In addition, students integrate evidence-based financial principles geared toward improved individual and population health outcomes, such as leadership strategies in change management, for example.

This concentration is offered in collaboration with the College of Health Solutions (https://chs.asu.edu/).

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Technology), BA
- Business (Tourism), BA

Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
HCD 502 Heath Care Systems and Design (3)
HCD 520 Population Health (3)
HCD 521 Law and Health Promotion (3)
HCD 532 Health Care Management and Finance (3)
HCD 540 Process Engineering for Health Care Quality and Safety (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For the concentration coursework, students choose four courses from the approved list for a total of 12 credit hours.

Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit

Proficiency in a second language is required for graduation from the MGM degree. Students whose native language is not English who meet the

admission requirements for the MGM program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Integrate evidence-based financial principles toward improved individual and population health outcomes.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's MGM program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- compliance managers
- management analysts
- medical and health services managers
- social and community service managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Global Health Care Innovation), MGM (TBTGMHCMGM)

**Online Degree Search Title:** Global Management (Global Health Care Innovation), MGM
**Campus:** Downtown Phoenix

**Program Description:** The MGM program with concentration in global health care innovation prepares students to assume leadership and managerial responsibilities in global health care organizations.

Students design, apply knowledge to, implement and create innovative solutions that can transform health care ecosystems. They learn how to create and sustain cultures of innovation in health care from multiple perspectives. These perspectives may include: personal competence for innovation, use of evidence in decision-making, reframing system infrastructures, financing, cross-cultural communication, entrepreneurship, technology and policy-making. Students develop competence in the design, application and testing of innovative processes and products.

A primary focus of this concentration is to prepare students to lead processes of innovation and transformation globally.

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TGM 506 Communicating and Negotiating Across Cultures (3) or TGM 582 Communicating and Negotiating in a Dynamic World (3)

Other Requirements (21 credit hours)
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Concentration (12 credit hours)
HCI 538 Innovation and the Individual (3)
HCI 540 Understanding and Applying Principles of Evidence-based Practice (3)
HCI 542 Systems Thinking in a Complex Environment (3)
HCI 544 Information Technology (IT) for Health Care Innovation (3)
HCI 548 Advanced Principles and Concepts of Innovation (3)
HCI 550 Health Care Policy and Innovation (3)
HCI 552 Financing for Innovation (3)
HCI 554 Outcomes Evaluation (3)

Electives (12 credit hours)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
Students complete three credit hours of HCI 538. Students complete nine credit hours from the list of concentration courses. Courses should be selected in consultation with the student's academic advisor.

Students complete six credit hours of TGM 596. Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with the approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- essay response to the the application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- Develop the ability to inspire others in a global world.
- Demonstrate the ability to lead the transformation of traditional organizational cultures into a culture of innovation by applying theories and techniques of leadership, innovation, and implementation science in the global healthcare industry.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes Thunderbird students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve practical challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This two- or three-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories (https://thunderbird.asu.edu/challenge-labs)
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective.

**Career Opportunities:** Examples of career opportunities include professional titles such as:

- compliance manager
- health administrator
- health care consultant
- medical and health services manager

- operations manager
- patient service manager
- regulatory affairs manager
- social and community service manager

**Professional Licensure:** This concentration does not directly lead to professional licensure, though students may seek one on their own.

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Global Legal Studies), MGM (TBGMGLSMGM)

**Online Degree Search Title:** Global Management (Global Legal Studies), MGM
**Campus:** Downtown Phoenix

**Program Description:** The MGM program in global management with a concentration in global legal studies is designed for students with a desire to work in areas requiring knowledge of global legal issues but who may not want to be lawyers. Other students may use this concentration as an introduction to legal studies before pursuing law school.

In this program, students gain transdisciplinary global management and legal expertise that open doors in multiple sectors within organizations operating around the world. This concentration is offered in collaboration with the Sandra Day O'Connor College of Law (https://law.asu.edu/).

The first step in understanding and applying laws is developing an understanding of basic legal principles and then using those principles to identify and analyze relevant legal issues. The foundational courses of the Master of Global Management with a concentration in global legal studies lead to mastery of the relevant legal principles while developing legal analysis skills, mainly through case briefings, such as identifying a particular case's legal issue, articulating the legal rule, discussing the court's analysis and concluding. These legal analysis skills are tested on final exams in the foundational courses through hypothetical fact scenarios. Students gain and master the ability to understand legal principles --- the basis of legal analysis --- and to apply them in their field of interest.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS

Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)

Electives (12 credit hours)

Other Requirements (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Able to analyze global legal issues.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's MGM program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit Thunderbird's Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- compensation and benefits managers
- compliance managers
- human resources managers
- intelligence analysts
- regulatory affairs managers
- urban and regional planners

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Integrated Health Care), MGM (TBGMIHCMGM)

**Online Degree Search Title:** Global Management (Integrated Health Care), MGM
**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The World Economic Forum reports that empathy and collaboration are two critical abilities for a global manager's success. These skills are equally critical for those seeking careers in integrated health care. Capacity for these key abilities relies on the development of social capital. This program is designed to develop social capital through field-based action learning, team-based projects and stretch assignments. Students become experts in building sustainable, trusting relationships --- the basis of social capital --- with others from diverse parts of the world by mastering intercultural empathy, the skill set to have an interpersonal impact and the business acumen to act with diplomacy.

Delivering care with global reach
The MGM program in global management with a concentration in integrated health care is designed for current or aspiring managers in health care who would like to develop, implement, evaluate and sustain integrated care programs in diverse health care settings globally. Students gain perspectives on both global management and integrated health care in this program.

Doing well by doing good with a specialized master's degree
Students in this program master the ability to apply foundational business concepts and analytics of health care and integrated care to transform health care management practices. Students learn to leverage key aspects of health care systems, organizational cultures and populations, and workforce issues necessary to implement, evaluate and sustain integrated care delivery globally.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS

Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
IBC 520 Integrated Health: The Patient-Centered Medical Home (PCMH) (3)
IBC 540 Integrated Health Care Process Improvement (3)
IBC 550 Integrated Health Care Operations (3)
IBC 585 Team-Based Consultation and Leadership (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree. Students whose native language is not English who meet the admission requirements for the MGM program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Global Opportunities:**
Global Experience: Students in Thunderbird's MGM program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Graduates are positioned to enter the workforce in leadership roles in which they can make a difference. Graduates have achieved a demonstrated proficiency in cross-cultural leadership, interdisciplinary teamwork, change management and health care technologies, empowering them to develop innovative clinical, operational and financial strategies and techniques.

Career examples include:

- compliance managers
- management analysts
- medical and health services managers
- sustainability specialists

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

# Global Management (Nonprofit Leadership and Management ), MGM (TBGMNLMGM)

**Online Degree Search Title:** Global Management (Nonprofit Leadership and Management), MGM
**Campus:** Downtown Phoenix

**Program Description:** Nonprofit organizations around the world are poised to meet the double-bottom line mentality of millennials. Thunderbird has created the nonprofit leadership and management concentration within the MGM degree program to prepare students for these impactful roles.

Because the lines between the functions of nonprofit and for-profit organizations are increasingly blurry, Thunderbird's renowned faculty has designed a curriculum that is cross-sectoral and transdisciplinary in nature, tailored for students aspiring to leadership roles in global nonprofit institutions in which they can leverage their business and global management expertise in their work.

This unique concentration in nonprofit leadership and management within the Master of Global Management program provides students with a deep understanding of the nonprofit sector's role in the global economy and with the knowledge and skills to lead and manage transnational nonprofit organizations. Offered in collaboration with ASU's Watts College of Public Service and Community Solutions (https://publicservice.asu.edu/), students take courses in nonprofit leadership and management through Watts College. Students learn to evaluate and articulate the historical and philosophical context of nonprofit organizations in society, the theory and practice of philanthropy, while mastering cutting-edge financial management practices.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS

Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
NLM 510 The Nonprofit Sector (3)
NLM 520 Financial and Resource Management (3)
NLM 540 Strategic Human Resources Management (3)
NLM 570 International Non-Governmental Organizations (3)

Electives (12 credit hours)

Other Requirement (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
Electives are as approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume

- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Able to evaluate nonprofit organization issues and practices.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes Thunderbird students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- business continuity planners
- environmental economists
- environmental restoration planners
- regulatory affairs managers
- social and community service managers
- sustainability specialists
- urban and regional planners

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Public Administration), MGM (TBGMPAMGM)

**Online Degree Search Title:** Global Management (Public Administration), MGM
**Campus:** Downtown Phoenix

**Program Description:** New research is emphasizing that the millennial generation is increasingly motivated by values such as social justice and environmental stewardship and many graduates are looking for careers in the public and nonprofit sectors (Chamberlain, 2018). However, only 7% of federal employees are under the age of 30 (Curry, 2017). This mismatch between millennials' desire for meaningful work and their relatively low representation in the public sector highlights that many public administration programs are not meeting current market conditions. New programs are needed that integrate expert training in public administration with global management.

To meet this new need, Thunderbird School of Global Management has created the public administration concentration in the highly ranked MGM degree program in collaboration with ASU's Watts College of Public Service and Community Solutions (https://publicservice.asu.edu/).

This concentration is intended for future leaders who want public service skills and experience as part of their global management repertoire and for students seeking roles within public institutions or roles that interact with those institutions, especially on matters where public policy overlaps with business or other global enterprises. The program is designed by Thunderbird's renowned faculty and allows students to take courses in public administration through Watts College of Public Service and Community Solutions.

Students earn a broad skill set and solid foundational understanding of public administration, leadership, management and policy analysis in service to the public good. This program prepares students for leadership roles in governmental and nonprofit organizations around the world.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Asia Studies (East Asia), BA
- Asia Studies (South Asia), BA
- Asia Studies (Southeast Asia), BA
- Biological Sciences, BS
- Biological Sciences (Biology and Society), BS
- Biological Sciences (Genetics, Cell and Developmental Biology), BS
- Biological Sciences (Neurobiology, Physiology and Behavior), BS
- Business (Business Administration), BA
- Business (Communication), BA
- Business (Food Industry Management), BA
- Business (Global Agribusiness), BA
- Business (Global Logistics Management), BA
- Business (Global Politics), BA
- Business (Health Care), BA
- Business (Information Security), BA
- Business (Language and Culture), BA
- Business (Law), BA
- Business (Public Service and Public Policy), BA
- Business (Sports Business), BA
- Business (Statistics), BA
- Business (Sustainability), BA
- Business (Technology), BA
- Business (Tourism), BA
- Business Data Analytics, BS
- Business Entrepreneurship, BS
- Economics, BS
- Engineering Management, BSE
- Finance, BS
- Global Health, BA
- Global Management, BGM
- History, BA
- Industrial Design, BSD
- Industrial Engineering, BSE
- Informatics, BS
- International Trade, BS
- Jewish Studies, BA
- Liberal Studies, BA

Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
PAF 503 Public Affairs (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 508 Organization Behavior (3)

Electives (12 credit hours)

Other Requirement (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee

- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Evaluate the role of administration in governance for a diverse and changing workforce and citizenry.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes Thunderbird students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit Thunderbird's Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- business continuity planners
- intelligence analysts
- legislators
- political scientists
- regulatory affairs managers
- social and community service managers
- sustainability specialists

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

# Global Management (Public Policy), MGM (TBGMPPMGM)

**Online Degree Search Title:** Global Management (Public Policy), MGM
**Campus:** Downtown Phoenix

**Program Description:** Careers in public policy are projected to continually increase over the next decade. In addition, the nonprofit sector is anticipated to grow significantly between 2020 and 2030, after having been negatively affected during the years of the pandemic. Many jobs are open, or are expected to be created, because of the need to replace public policy and nonprofit sector workers who transfer to different occupations or retire the labor force (Bureau of Labor Statistics, 2021). To meet this market need, the Thunderbird School of Global management has designed the public policy concentration within the flagship MGM degree program.

The public policy concentration program is designed for students who would like to work in cross-sector roles within public and nonprofit institutions around the world. Other students may use this program as a springboard into jobs in the private sector that have significant overlap with public agencies. In short, graduates are prepared in both global management and public policy in order to meet the demands of an increasingly interwoven economy.

The Master of Global Management program with a concentration in public policy prepares students for careers as policy analysts and leaders in public service. Offered in collaboration with the Watts College of Public Service and Community Solutions (https://publicservice.asu.edu/) at ASU, graduates are able to apply analytical techniques and conceptual frameworks to understand policy issues as well as to identify potential solutions to real-world challenges.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA

Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours, a foreign language exam, including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
PAF 501 Public Service Research I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)

Electives (12 credit hours)

Other Requirement (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the Master of Global Management degree program. Students whose native language is not English and who meet the admission requirements for the program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee

- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
- •Evaluate the development of public administration, and institutional analysis of policy processes.
- •Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes Thunderbird students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Career examples include:

- business continuity planners
- intelligence analysts
- legislators
- political scientists
- regulatory affairs managers
- sustainability specialists
- social and community service managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Space Leadership, Business and Policy), MGM (TBGMSBPMGM)

**Online Degree Search Title:** Global Management - Executive (Space Leadership, Business and Policy), MGM
**Campus:** Downtown Phoenix

**Program Description:** Designed and taught by industry-leading faculty and experts, this 12-month executive MGM program in global management with a concentration in space leadership, business and policy is tailored for individuals pursuing leadership and management careers in commercial spaceflight, defense and civil aerospace, AI and big data, and next-generation manufacturing. This credential can open doors across the aerospace and technology sectors.

The cutting-edge curriculum prioritizes industry immersion and focuses on modern practices, principles and case studies for corporate, startup, nonprofit and governmental organizations operating in space. To build cross-disciplinary skills, students can take science and technology courses featuring renowned practitioners and scholars from ASU's School of Earth and Space Exploration.

Substantial opportunities are available for hands-on learning and networking with leaders at NASA, private industry and global nonprofits, including a workshop and networking session at Kennedy Space Center and facility visits to NASA, Space Force and commercial space companies.

**Degree Requirements:**
31 credits including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (18 credit hours)
TGM 517 Global Accounting and Financial Management (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 560 Space for Global Future Leaders (3)
TGM 561 Global Space Policy and Law (3)
TGM 562 Global Space Entrepreneurship and Sustainability (3)
TGM 563 Space and Global States and Markets (3)

Electives (9 credit hours)
Choose three of the following courses:
TAM 542 Global Leadership and Personal Development (3)
TGM 530 Big Data in the Ange of the Global Economy (3)
TGM 558 Global Data Analysis for Strategic Marketing (3)
TGM 594 Conferences and Workshops (3)
TGM 598 Strategic Management of Technology and Innovation (3)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For electives coursework, students should see the academic unit for timing and availability of courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The program is open to candidates from any undergraduate major.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

GRE or GMAT scores may be required after a complete review of the student's application material.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Apply leadership skills to manage sustainable prosperity, focusing on space leadership, business and policy.
- •Develop intellectual capital and apply them to the global enterprise and the environment.
- •Plan the development of business models in the space industries, leveraging on the changing space policies and regulations.

**Career Opportunities:** Examples of career opportunities include professional titles such as:

- chief compliance officer
- chief executive officer
- chief financial officer
- chief information officer
- chief marketing officer
- chief operating officer
- chief sustainability officer
- executive director
- vice president

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/executive/executive-master-global-management-space-leadership
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Sustainability Solutions), MGM (TBGMSSMGM)

**Online Degree Search Title:** Global Management (Sustainability Solutions), MGM
**Campus:** Downtown Phoenix

**Program Description:** Solutions for the planet and industry
The Thunderbird MGM program with a concentration in sustainability solutions prepares students for the professions of the future. In this concentration, students earn a degree that benefits their career and the planet. There is an accelerating demand for leaders with a global mindset who possess expertise in sustainability, understand how to apply its principles and technology in approaching problems, and know how to work with and draw from different disciplines to develop practical solutions to the world's most urgent sustainability challenges.

The World Economic Forum reports that empathy and collaboration are two critical abilities for global manager success. These are equally critical for those seeking careers in sustainability solutions. These abilities rely on the development of social capital. This program is designed to develop a student's social capital through field-based action learning, team-based projects and stretch assignments. Students have the ability to build sustainable trusting relationships --- the basis of social capital --- with others from diverse parts of the world by learning techniques and methods of developing intercultural empathy, the ability to have interpersonal impact, and to act with diplomacy when influencing others.

This concentration is offered in collaboration with ASU's School of Sustainability.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA

Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA
Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours including a foreign language exam and the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
SOS 508 Pathways to Sustainability (3)
SOS 509 Leading Sustainability Transitions (3)
Students choose two courses from the following list for a total of 6 credit hours:
EMS 522 Mastering the Global Sustainability Context (3)
EMS 523 Strategic Sustainability and Leadership (3)
EMS 524 Sustainability Storytelling and Communications (3)
EMS 525 Essentials for Transformative Leadership in Sustainability (3)
SOS 514 Human Dimensions of Sustainability (3)
SOS 545 Creating Sustainable Organizations (3)
SOS 548 Transformational Sustainability Entrepreneurship (3)
TGM 585 Corporate Social Responsibility in a Global Context (1-3)
TGM 598 Circular Economy (3)
TGM 598 Smart and Resilient Communities (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For concentration coursework, SOS 508 and 509 are required. The remaining six credit hours required for the student's concentration are to be selected from the approved course list, available from the academic unit.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference
- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.

•Develop the ability to effectively analyze a sustainability problem in an organization or community.
•Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations, and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Doing well by doing good with a specialized master's degree
Research shows that more than 40% of executives want to align their company's goals with sustainability principles. In the same survey, chief executive officers identified sustainability as a top priority (McKinsey, 2014). Governments are also increasingly recognizing the importance of sustainability. This has led the United Nations to outline sustainable development goals for 2030, an effort that many multinational corporations, nonprofit organizations and state entities have pledged to join.

As sustainability gains more traction, knowledge and management expertise in this area will become increasingly attractive to employers. Graduates of the sustainability solutions concentration are prepared for these new organizational norms and to capitalize on the need for expert leadership in this rapidly growing profession.

Career examples include:

- business continuity planners
- environmental economists
- environmental restoration planners
- quality control systems managers
- sustainability specialists
- urban and regional planners
- water resource specialists

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management (Sustainable Tourism), MGM (TBGMSTMGM)

**Online Degree Search Title:** Global Management (Sustainable Tourism), MGM
**Campus:** Downtown Phoenix

**Program Description:** Research indicates that 1 in 10 people are employed in a tourism-related job (World Economic Forum, 2017). Another study showed that travelers are more likely to visit places if there are sustainable practices in place (Mandala, 2017). In addition, governments are recognizing the importance of sustainability, leading the United Nations to outline sustainable development goals. As the tourism industry continues to adopt eco-tourism and sustainability practices, a new set of skills is needed.

Solutions for the planet and the tourism industry
Thunderbird's MGM program with a concentration in sustainable tourism prepares students for management and executive-level positions in the tourism industry globally. Offered in collaboration with ASU's Watts College of Public Service and Community Solutions

(https://publicservice.asu.edu/), Thunderbird's sustainable tourism concentration addresses the unique character of the sustainability revolution. The program prepares graduates to transform the sustainability practices of global enterprises in tourism development and management.

The program is designed for students interested in working in sustainable tourism, hospitality, travel and related fields. The concentration in sustainable tourism opens up a world of opportunities, allowing students to take courses in sustainable tourism from ASU's Watts College of Public Service and Community Solutions at the Downtown Phoenix campus, located in the heart of the state capital's thriving business district.

Students specialize in sustainable tourism management, mastering the principles and practices of successful sustainable development in the tourism field. Together, a diverse cohort learns to integrate economic, social and environmental aspects of sustainability as it relates to tourism; conduct sustainability audits for destinations and businesses; evaluate community impacts of tourism; innovate and evaluate sustainable tourism practices; and perform business planning and management. Students receive specialized, hands-on training in international business, cross-cultural relations, global political economy and regional business environments.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asia Studies (East Asia), BA
Asia Studies (South Asia), BA
Asia Studies (Southeast Asia), BA
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Business (Business Administration), BA
Business (Communication), BA
Business (Food Industry Management), BA
Business (Global Agribusiness), BA
Business (Global Logistics Management), BA
Business (Global Politics), BA
Business (Health Care), BA
Business (Information Security), BA
Business (Language and Culture), BA
Business (Law), BA
Business (Public Service and Public Policy), BA
Business (Sports Business), BA
Business (Statistics), BA
Business (Sustainability), BA
Business (Technology), BA
Business (Tourism), BA
Business Data Analytics, BS
Business Entrepreneurship, BS
Economics, BS
Engineering Management, BSE
Finance, BS
Global Health, BA
Global Management, BGM
History, BA
Industrial Design, BSD
Industrial Engineering, BSE
Informatics, BS
International Trade, BS
Jewish Studies, BA
Liberal Studies, BA
Management, BS
Marketing, BS
Marketing (Digital and Integrated Marketing Communications), BS
Marketing (Professional Sales), BS
Microbiology, BS
Philosophy, BA
Philosophy (Morality, Politics and Law), BA

Religious Studies (Religion, Culture and Public Life), BA
Religious Studies (Religion, Politics and Global Affairs), BA
Supply Chain Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
49 credit hours including the required capstone course (TGM 597).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (12 credit hours)
CRD 569 Advanced Tourism and Recreation Studies (3)
TDM 520 Sustainable Thinking in Tourism I (3)
TDM 521 Sustainable Thinking in Tourism II (3)
TDM 540 Sustainable Food Management in Tourism (3)
TDM 570 Sustainable Tourism (3)

Electives (12 credit hours)

Other Requirements (21 credit hours)
foreign language
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 545 Global Leadership and Strategy (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)
TGM 596 Thunderbird Experiential Practicum (6)

Culminating Experience (1 credit hour)
TGM 597 Thunderbird Personal Leadership Development (1)

Additional Curriculum Information
For concentration coursework, students choose four courses from the approved list for a total of 12 credit hours.

Electives are approved by the academic unit.

Except for TGM 596 and the foreign language requirement, other requirement courses may be substituted with approval of the academic unit.

Proficiency in a second language is required for graduation from the MGM degree program. Students whose native language is not English who meet the admission requirements for the Master of Global Management program satisfy the language requirement.

Students whose native language is English must satisfy the graduation requirement for language proficiency by waiving this requirement through an oral proficiency interview administered by a third-party vendor or by successfully completing six credit hours of 400-level or higher of foreign language coursework as part of the program electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any subject or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- resume
- essay response to application question
- one professional or academic reference

- GMAT or GRE may be required
- interview
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should demonstrate the applicant's professional and academic history.

An interview is required. Final applicants may be asked to complete an additional interview.

Applicants are exempt from taking the GMAT or GRE if they have eight or more years of professional work experience or a cumulative undergraduate GPA of 3.25 or above. Applicants who do not meet either requirement are reviewed by the application committee and may receive an exception on a case-by-case basis.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Develop the ability to build sustainable and trusting relationships with others from diverse parts of the world.
•Evaluate the dominant concepts and practices in sustainable tourism.
•Develop the ability to inspire others in a global world.

**Global Opportunities:**
Global Experience: Students in Thunderbird's Master of Global Management program have unique opportunities to apply and hone their learning in international settings. Experiential learning exposes Thunderbird students to actual problems faced by leaders of multinational businesses and governmental or nonprofit organizations that operate on an international level. Working with Thunderbird professors, their fellow students, alumni and corporate partners, students master and apply global management principles and concepts to meet real business challenges through special courses, labs and projects. Thunderbird offers a wide variety of experiential learning engagements, giving students the ability to solve real-world challenges by collaborating with the school's corporate partners around the world. Some options include:

Global Field Seminars
This one- or two-week seminar exposes students to the dynamics and nuances of doing business in a focused region of the world. Teams of students go on company site visits and attend high-level meetings and presentations with business, government and cultural leaders as well as with Thunderbird alumni. Students gain invaluable hands-on experience while expanding their global business skills so they can become major assets to any organization they join after graduating.

Thunderbird Global Challenge Laboratories
This is a client-facing, project-based course built on a six- to seven-week immersion assignment in a key emerging or advanced market. Projects take students to destinations all over the world. They are tailored to the business needs of the client and challenge students to provide sophisticated data and market analysis, strategy recommendations and plans for sustained growth that are both practical and effective. For more information, students should visit the Thunderbird Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

**Career Opportunities:** Graduates enter their profession ready to oversee initiatives in research, development, implementation, execution and evaluation of sustainable tourism plans for businesses and destinations. They are prepared to enter today's complex and exciting global economy at the top of organizations that operate across borders, and they join a global network of Thunderbird alumni who hold leadership positions in global organizations worldwide.

With their global mindset, future-ready core professional skills, mastery of management principles, and multicultural outlook, graduates are prepared to lead enterprises with a global scope. Potential employers include international tour operators as well as cities and venues around the world that attract guests from all over the globe.

Career examples include:

- business continuity planners
- environmental economists
- environmental restoration planners
- quality control system managers
- sustainability specialists
- transportation managers
- urban and regional planners

**Contact Information:**
Global Management, Thunderbird School of

Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/master-global-management
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Management, Entrepreneurship and Innovation (Certificate), Certificate (TBTGMGRCT)

**Online Degree Search Title:** Global Management, Entrepreneurship and Innovation (Graduate Certificate)
**Campus:** Downtown Phoenix, Online

**Program Description:** Thunderbird's graduate certificate program in global management, entrepreneurship and innovation provides an in-depth study of global political economy, leadership, strategy, negotiations and cross-cultural communications, giving students the skills they need to succeed in today's increasingly global business environment.

The school's innovative and practical curriculum, with a strong core of global business management skills, international political economy and cross-cultural training, is delivered through a transdisciplinary approach.

Thunderbird School of Global Management has produced unique leaders for over 75 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
TGM 545 Global Leadership and Strategy (3)

Restricted Electives (12 credit hours)
TGM 506 Communicating and Negotiating Across Cultures (3)
TGM 515 Navigating Global and Regional Business Environments (3)
TGM 517 Global Accounting and Financial Management (3)
TGM 557 Global Marketing and Data Analytics (3)
TGM 586 Global Entrepreneurship and Sustainable Business (3)

Additional Curriculum Information
For restricted electives, students select four courses from the list above. Other courses may be approved by the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-global-management-certificate/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop applied global leadership skills.
- •Develop tools and strategies necessary for the creation of new ventures.
- •Examine the importance of data visualizations and analysis for decision making.

**Career Opportunities:** Graduates who have combined the certificate in global management, entrepreneurship and innovation with their major program of study may become more marketable to employers. They often decide to pursue employment in corporate functions such as marketing, strategy, finance, human resources and supply chain management.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Marketing (Certificate), Certificate (TBGMKTGRCT)

**Online Degree Search Title:** Global Marketing (Graduate Certificate)
**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program.
**Program Description:** Domestic marketing frameworks and tools are not sufficient in comparison to the global marketing framework that includes idiosyncrasies and complexities of the political, economic, legal, societal and cultural differences that exist in foreign markets.

The courses in Thunderbird's global marketing certificate program position students to thrive in multinational corporations and international organizations by equipping them with the knowledge of how and why customers make decisions. Students learn how to leverage branding across all channels to create value and to use the abundance of data available in today's market for cutting-edge business analytics. Courses emphasize the experiential approach to learning, using case studies featuring companies from around the globe with different cultures and complex legal environments.

Students learn to understand the critical, nuanced differences that managers need to recognize when conducting business across borders, and they examine how customer decision-making and how branding, business analytics, negotiation, channels and distribution, sales force management, product development and strategic services marketing are playing out in the international arena.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
TGM 553 Global Customer Decision Making (3)
TGM 554 Global Marketing Research (3)

Electives (9 credit hours)

Additional Curriculum Information
Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee

- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants must have taken TGM 551 Global Marketing Strategy and TGM 552 Global Marketing Management, or TGM 503 Global Marketing, or a three credit hour, 500-level graduate course with a minimum grade of "B" (scale is 4.00 = "A") or its equivalent. Coursework must be from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business, European Quality Improvement System, Association of MBAs or other institutions with approval from the academic unit.

**Career Opportunities:** Graduates who have combined the certificate in global marketing with their major program of study may become more marketable to employers. They often decide to pursue employment in product marketing, social media or market research areas.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Global Trade and Commerce (Certificate), Certificate (TBGTCMGRCT)

**Online Degree Search Title:** Global Trade and Commerce (Graduate Certificate)
**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program.
**Program Description:** The coursework for Thunderbird's graduate certificate in global trade and commerce is tightly integrated and offers comprehensive coverage of core topics in cross-border business and the exchange of goods. Students gain a strong understanding of how companies leverage their global value chains to achieve competitive advantage.

The school's innovative and practical curriculum, with a strong core of global business management skills, international political economy and cross-cultural training, is delivered through a transdisciplinary approach. Students learn best practices through interaction with faculty engaged in broad-based research and consulting.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
SCM 541 Logistics in the Supply Chain (3)
TGM 537 State Power, Business Interests and Multinational Trade Agreements (3)

Electives (9 credit hours)

Additional Curriculum Information
Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants must have taken TGM 505 States and Markets in a Global Economy with a minimum grade of "B" (scale is 4.00 = "A") or its equivalent from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business, European Quality Improvement System or Association of MBAs, or other institutions with approval from the academic unit.

**Career Opportunities:** Graduates who combined the certificate in global trade and commerce with their major program of study may be more marketable to employers. They often decide to pursue employment in import or export organizations, or government agencies.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
TGHB 209
admissions.tbird@asu.edu
602-496-7100

## Leadership and Management, MLM (TBLDMGMLM)

**Online Degree Search Title:** Leadership and Management, MLM
**Campus:** ASU at Los Angeles, ASU at Washington, D.C., Online

**Program Description:** Professionals expand their management and leadership repertoire while sharpening their business skills in Thunderbird School of Global Management's MLM program, earning a unique graduate degree with classes taught by Thunderbird's world-class professors. The program provides mastery of modern practices from a global perspective for managers and executives in transnational organizations, delivering the highest quality graduate education in a flexible format.

This is an in-depth, professional degree program that features applicable training in the nuances of managing a global business, government agency or nonprofit organization.

The Master of Leadership and Management program combines cutting-edge management coursework with a truly global curriculum, cross-cultural communication and negotiation training, and personal development and leadership components to prepare graduates to thrive as decision-makers in enterprises that operate across borders.

Empowering graduates with well-rounded, future-ready skill sets, this transformational master's degree provides a strategically choreographed progression through every facet of international management with courses spanning the gamut of Thunderbird's offerings, from accounting and data-driven decision making to global finance and marketing. Students also receive hands-on, experiential learning opportunities in practical, real-world situations through elective courses that allow them to apply the full range of professional skills acquired during their studies.

The Master of Leadership and Management program allows students to work at their own pace to earn their degree in as few as 12 months. The program is designed specifically for students from around the world and allows them to join the globally connected Thunderbird alumni network (https://thunderbird.asu.edu/alumni?action (https://thunderbird.asu.edu/alumni?action)) that opens doors and opportunities all over the planet.

Specializations
Thunderbird's Master of Leadership and Management degree program offers optional specializations. Students can focus their coursework in global and public affairs (delivered in English) and data analytics, financial management or global business (delivered in Mandarin).

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. The alumni network comprises 45,000 graduates and 170 chapters around the globe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus

master's degree with::

Global Management, BGM
International Trade, BS
Technological Entrepreneurship and Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (TAM 541).
Required Core (3 credit hours)
TAM 582 Communicating and Negotiating in a Dynamic Global World (3) or
TGM 506 Communicating and Negotiating Across Cultures (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)
TAM 541 Strategy in a Competitive World (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Two years of work experience is preferred but not required.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/leadership-management-masters/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to inspire, influence and motivate others in a global world.
- •Develop the ability to analyze, digest, and interpret complex global issues concisely.
- •Examine the impact of cultural differences on managerial communication and negotiation, and develop the ability to be an effective communicator and negotiator in a cross-cultural setting.

**Global Opportunities:**
Global Experience: Students in the Master of Leadership and Management program have the unique opportunity to apply their learning in an international setting. Some options include:

Global Field Seminars --- During this course students experience an intensive, one-week immersion in-country. Students enjoy a hands-on learning experience in a focused region of the world comprised of company site visits, and high-level meetings and presentations with business, government and cultural leaders as well as Thunderbird alumni. Through these interactions, students learn the challenges and opportunities that make doing business in the region unique.

Thunderbird Global Challenge Laboratories --- This is a client-facing, project-based course that involves a one-week immersion in-country. Projects are tailored to the business needs of the client and provide sophisticated data and market analysis; strategy recommendations; and practical, effective plans for sustained growth. For more information, students should visit the Global Challenge Lab website (https://thunderbird.asu.edu/degree/students/graduates/global-challenge-lab).

The program fee for one Global Field Seminar or Global Challenge Lab experience is included in the tuition and fees for the Master of Leadership and Management degree. Airfare and incidental expenses are extra.

**Career Opportunities:** More than ever, today's global organizations need versatile leaders and managers with creative problem-solving skills who can elevate diverse teams across cultures in multiple markets around the world. The Master of Leadership and Management program prepares graduates to lead in all sectors: government, private enterprise, NGOs and nonprofits.

Career examples include:

- compensation and benefits managers
- financial analysts
- human resources managers
- logistics analysts
- logistics managers
- management analysts
- marketing managers
- sales managers
- supply chain managers

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degrees/online/master-applied-leadership-management
TGHB 209
MALMadvising@thunderbird.asu.edu
602-496-7100

## Leadership and Management (Global Creative Industries), MLM (TBLDMGCMLM)

**Online Degree Search Title:** Leadership and Management (Global Creative Industries), MLM
**Campus:**
This program will begin accepting applications for the Fall 2024 term.
**Program Description:** The MLM program with a concentration in global creative industries is for creatives seeking management training and managers who lead creative teams. This 11-month graduate degree program delivers leadership and management fundamentals for success across sectors in the global creative industries, as well as a digital global mindset and a holistic approach to the global creative industries.

In this program, students gain the hard and soft skills needed to navigate and thrive in the Fourth Industrial Revolution (e.g., finance, accounting, marketing, data analytics, negotiation, cross-cultural communication and emerging digital technologies) and gain a deeper understanding of the creative process. Students attain a comprehensive set of practices that foster generative and sustainable innovation and implementation geared towards opportunity recognition within tomorrow's increasingly cross-border and trans-industry marketplace. The program prioritizes industry immersion in every class and focuses on the nexus of art and commerce, emphasizing creativity for managers and management for creatives.

**Degree Requirements:**
30 credit hours including the required capstone course (TAM 541).
Required Core (3 credit hours)
TAM 582 Communication and Negotiating in a Dynamic World (3)
TGM 506 Communicating and Negotiating Across Cultures (3)

Concentration (9 credit hours)
HDA 521 Counting Arts and Culture: Reasoning with Empirical Evidence (3)
HDA 598 Topic: Creativity and Design Thinking (3)
TGM 503 Global Marketing (3)
TGM 549 Global Leadership (3)
TGM 567 Career Development for the Global Creative Industries (3)
TGM 568 Metaverse and the Global Enterprise (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)
TAM 541 Strategy in a Competitive World (3)

**Admission Requirements:** Applicants must fulfill the requirement of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in leadership and management or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admissions application and application fee
- official transcripts
- one letter of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

An applicant interview is also required.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop the ability to inspire others in the global creative industries.
- •Develop the ability to analyze complex global issues concisely.
- •Apply design thinking to identify challenges to and opportunities for success in the creative industries.

**Career Opportunities:** Graduates are well qualified for global leadership and management careers in film, television and new media; music; augmented reality, virtual reality and extended reality; gaming; design; the arts; location-based entertainment; e-sports; advertising; branding; and Metaverse tech like gaming, blockchain, crypto and NFTs.

Examples of career opportunities include professional titles such as:

- business development executive
- creative industries entrepreneur
- executive producer
- general manager
- graphic design manager
- marketing manager
- media relations manager
- product development executive
- production manager
- talent acquisition manager

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degree/graduate/masters-leadership-and-management-global-creative-industries
TGHB 209
admissions.tbird@asu.edu
602-496-7100

# Health Solutions, College of

## Audiology, AuD (LAAUDAUDD)

**Online Degree Search Title:** Audiology, AuD
**Campus:** Tempe

ASU is not currently accepting applications for this program.
**Program Description:** The three-year course of study for the AuD degree consists of basic science coursework, professional knowledge coursework and clinical practicum experiences. Full-time commitment is critical because graduate courses are offered once per academic year. In addition, course content and the sequence of courses are closely tied to clinical practicum assignments. Moreover, full-time enrollment assures timely completion of the program.

Students have the option of graduating after the completion of the three-year program of study or enrolling in a clinical externship during their fourth year for up to an additional three credit hours of clinical training. A minimum of 850 hours of clinical training is required for graduation and is obtained during the first three years of training. Additional practicum hours toward the 1,820 hours required for the Certificate of Clinical Competence in Audiology, also known as CCC-A, by the American Speech-Language-Hearing Association can be met during completion of the fourth year externship under the supervision of an ASHA-certified audiologist. The remaining clinical clock hours for ASHA certification can also be met after graduation. However, students should be aware of state licensure requirements when making the determination of whether or not to complete an externship. Initial licensure in some states may require the completion of the externship.

**Degree Requirements:**
88 credit hours, a written and oral comprehensive exam.
Required Core (58 credit hours)
SHS 502 Basic Audiometry (4)
SHS 504 Amplification I (4)
SHS 505 Sign Language for Audiologists and Speech Pathologists (2)
SHS 508 Pediatric Audiology (3)
SHS 510 Amplification II (3)
SHS 511 Auditory Perception by the Hearing Impaired (3)
SHS 513 Neurophysiology of the Auditory System (3)
SHS 516 Auditory Evoked Potentials (4)
SHS 517 Balance Assessment (4)
SHS 518 Rehabilitative Audiology (3)
SHS 520 Auditory Pathologies/Disorders and Otoneurologic Applications (4)
SHS 522 Tinnitus/Advanced Audiometry (3)
SHS 523 Central Auditory Processing Disorders (4)
SHS 524 Counseling in Communication Disorders (2)
SHS 525 Audiology Practice Management (3)
SHS 526 Launch to Clinical Methods in Audiology (1)
SHS 552 Physiological Measures of Auditory Function (4)
SHS 555 Cochlear Implants (4)

Other Requirements (27-30 credit hours)
SHS 500 Research Methods (3)
SHS 580 Clinical Practicum (8)
SHS 584 Clinical Internship (12)
SHS 589 Audiology Grand Rounds (4)
SHS 590 Reading and Conference (Audiology Clerkship) (0-3)
American Speech-Language-Hearing Association Praxis national certification examination in audiology (0)

Electives and Research (3 credit hours)

Culminating Experience
written and oral comprehensive exam

Additional Curriculum Information
Students have the option to continue enrollment in SHS 590 at one credit per semester for up to three semesters for the additional training experience and to complete the externship requirements of the ASHA certification if desired. These extra hours of clinical experience allow students to apply for ASHA certification upon graduation or for state licensure for certain states. Students should maintain continuous enrollment and not apply for graduation until they have completed the additional clinical hours for the certification.

Since certification and licensure requirements vary by profession and from state to state, the College of Health Solutions recommends students visit the ASU licensure website (https://admission.asu.edu/academics/licensure) to determine if their program meets the requirements of individual state licensures or national certifications, as applicable. The decision to complete an externship or not is an individual decision based on career objectives and desired state of licensure among other factors.

In addition to the Graduate College requirements, eligibility for graduation is based upon the following:

Formative Exam (Year 1)
Students must pass a formative exam given at the end of the first academic year of the program. This is a 100-question, multiple-choice test

covering the content of the courses taken during the fall and spring semesters. Students receiving scores of less than 70% are given one opportunity to retake the exam.

Summative Exam (Year 3)
Students must pass a summative exam in the fall of the third academic year of the program. This is a comprehensive written and oral exam pertaining to clinical case diagnosis and management. One retake is allowed if the student does not pass on the initial attempt.

National Certification Exam (Praxis)
All students pursuing the Doctor of Audiology degree must pass the praxis examination in audiology as a graduation requirement. There are no credit hours tied to it. The praxis exam result must be sent directly from the Education Testing Service to the ASU audiology program office in order to process the graduation approval.

Clinical Clock Hours
Students must successfully complete 850 hours of supervised clinical clock hours as accrued between on-campus clinic, off-campus internship sites and possible simulation opportunities.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in speech and hearing science or another related discipline from a regionally accredited institution. Applicants with degrees in related fields, such as nursing, education and any of the biological sciences, may apply, although they may be admitted as leveling students and must complete at least one year of prerequisite courses in speech and hearing science at the undergraduate level.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Upon receipt of application a timed writing statement will be administered as part of the first stage of the admissions process. Applicants meeting the first-stage admissions criteria will be notified and invited to provide additional information to complete the second stage of the admissions process. All other applicants will be denied admission. Invited applicants who wish to continue the application process must provide a seven- to ten-minute video introducing themselves and answering several questions from the admission committee. The same questions are given to all applicants along with instructions about format and submission. Applicants who do not submit a video and writing sample are denied admission. The committee may ask to schedule an interview to ascertain additional information from applicants after reviewing the recorded video and will make final decisions regarding admission. Space is available for a total of 15 students. Invitations will be sent by the beginning of February with a deadline for video submission in mid-February.

The personal statement should not exceed 300 words and should describe the reasons for pursuing graduate study in audiology; successful applicants submit statements that are free of grammatical errors and demonstrate proficiency in written communication.

Letters of recommendation should outline the applicant's potential success for graduate-level coursework. Letters from faculty members are most useful. A standard form is not used; letters should be submitted on letterhead from the recommender's institution.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Students graduating from the AuD program will be able to understand and apply the foundations of clinical practice that provide the building blocks for professional, evidence-based practice of audiology.
- •Students graduating from the AuD program will be able to analyze and evaluate clinical information by graduation.
- •Students graduating from the AuD program will meet eligibility criteria for certification or licensure in audiology.

**Career Opportunities:** A career as an audiologist offers fulfilling work with an exceptional work-life balance. Graduates who complete the Doctor of Audiology degree find rewarding careers in hospitals, physician's offices, audiology clinics, school districts and industry. Careers associated with a doctoral degree in audiology and areas of specialization include:

- audiologist

- cochlear implant audiologist
- cochlear implant manufacturer representative
- educational audiologist
- hearing aid manufacturer representative
- intraoperative monitoring
- manufacturer representative
- pediatric audiologist
- research audiologist
- vestibular audiologist

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/LAAUDAUDD/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Auditory and Language Neuroscience, MS (NHALNEUMS)

**Online Degree Search Title:** Auditory and Language Neuroscience, MS
**Campus:** Tempe

**Program Description:** The MS program in auditory and language neuroscience trains scholars in basic and applied research in the fields of auditory and language neuroscience to prepare them for doctoral-level graduate studies, as well as for positions in science, health care and industry.

In addition to innovative coursework in neuroscience, this program includes hands-on training in instrumentation such as neuroimaging, neurophysiology and clinical research applications. Students develop a strong foundation that enables them to conduct impactful neuroscience research related to auditory and language processing and human communication.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Speech and Hearing Science, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
31 credit hours including a thesis, or 31 credit hours including the required applied project course (SHS 593).
Required Core (6 credit hours)
EXW 501 Research Statistics (3), PSY 530 Intermed Statistics (4) or STP 530 Applied Regression Analysis (3)
SHS 542 Applied Research Methods in Auditory and Language Neuroscience (3)

Restricted Electives (12 credit hours)

Research (6 credit hours)
SHS 592 Research (6)

Other Requirement (1 credit hour)
SHS 590 Topic: Research Integrity and Conduct in ALN (1)

Culminating Experience (6 credit hours)
SHS 593 Applied Project (6) or
SHS 599 Thesis (6)

Additional Curriculum Information
Students should contact the academic unit for a list of approved elective courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited college or university.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

In the letter of intent or written statement, applicants should indicate potential research mentors with whom they are interested in working, previous experiences that have prepared the applicant for success in the program, and career plans. Letters of recommendation preferably should be written by instructors, research mentors or clinical supervisors who can speak to the applicant's aptitude for research and master's-level coursework.

Applicants are encouraged to submit an optional writing sample. Examples include honors thesis, conference abstracts, articles and chapters.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrate the ability to critically analyze and synthesize knowledge from the neuroscience research literature related to language and hearing
- •Demonstrate competence in experimental design, data collection, data analysis and interpretation of neuroscience research related to language and hearing
- •Demonstrate the ability to identify and describe principles and concepts related to the responsible conduct of research

**Career Opportunities:** Graduates have acquired the experience with clinical and medical applications of their neuroscience-related expertise and the skills gained in lab rotations that give them increased marketability and enable them to be competitive for jobs in technology or for further doctoral-level training.

In the tech field, there has been significant interest in the areas of deep learning and artificial intelligence for speech. These fields rely on computational models of speech perception and production to perform automated tasks such as speech and speaker recognition.

Employment opportunities for graduates include team settings in clinical research centers and hospitals; with manufacturers of hearing aids, cochlear implants and EEG systems or augmentative and alternative communication applications; and with software development companies working with speech recognition programs and brain-computer interfaces.

Career examples include:

- data analyst
- educator
- laboratory technician or manager
- product developer
- public relations specialist or spokesperson for a research institute or device manufacturer
- research scientist

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHALNEUMS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Behavioral Health, DBH (LSBEVHEDBH)

**Online Degree Search Title:** Behavioral Health, DBH
**Campus:** Online
ASU is not currently accepting applications for this program. Applicants interested in the Doctor of Behavioral Health program should apply directly to the clinical (https://degrees.apps.asu.edu/masters-phd/major/ASU00/NHBVHCDBH/behavioral-health-clinical-dbh) or management (https://degrees.apps.asu.edu/masters-phd/major/ASU00/NHBVHMDBH/behavioral-health-management-dbh) concentrations.
**Program Description:** The DBH is an innovative and interdisciplinary applied program designed to prepare masters degree-level professionals to become experts in the emerging field of integrated behavioral care.

Integrated care is the holistic treatment of both medical and behavioral conditions. When undetected and untreated, whether in primary care or other medical settings, the results are poor clinical outcomes and increased medical costs related to overuse of medical services. A key recommendation in health care reform is improved integration of medical and behavioral care in order to both improve health outcomes as well as decrease health care costs.

The doctoral curriculum is explicitly focused on graduating experts who can both speak the language of evidence-based clinical interventions and to perform cost savings and return on investment analyses that are in high demand in new models of accountable care delivery. Traditional doctoral training does not prepare clinicians or managers with the interdisciplinary knowledge required to meet these new demands in the health care marketplace. This program reflects a paradigm shift to a curriculum based on business entrepreneurship skills, such as business plans, marketing and returns on investment specific to health care; evidence-based behavioral interventions for primary care that are efficient and contribute to cost savings by reducing unnecessary medical care services and costs; health care systems policies, economics and finance that respond to emerging opportunities in health care reform; and medical literacy, to understand common medical conditions seen in primary care and consult effectively with the medical team.

The curriculum is unique in that it incorporates internship experiences in primary care or similar medical settings, and it integrates clinical and professional affiliated faculty as well as faculty associates who are experts and are directly employed in health care environments in the area that they are teaching. It is a flexible, online degree program that enables students to select a program of study ranging from part-time to full-time attendance, and it is available through ASU Online as a distance-learning program. The program offers either a clinical track for licensed clinicians or a management track for health care managers and leaders, and it replaces the dissertation with a culminating research project that combines an applied research study with a business plan.

Internship experiences are arranged with local site liaisons, and students meet in small groups with a doctoral consultant who leads case reviews and studies. Rural health and experiences with disadvantaged and multicultural populations are encouraged.

Graduates of the program will lead a societal transformation by increasing access to behavioral care, integrating behavioral providers into medical teams, improving patient outcomes and satisfaction, and decreasing cost of care.

**Degree Requirements:**
84 credit hours including the required applied project course (IBC 793).
Required Core (18 credit hours)
HCD 501 Biostatistics and Data Management (3)
IBC 586 Behavioral Health Professional Writing Style (3)
IBC 611 Population-Based Behavioral Health Management (3)
IBC 614 Quality and Performance Measurement, Improvement and Incentives in Health Care (3)
IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)
IBC 720 Behavioral Health Entrepreneurship (3)

Electives (57 credit hours)

Other Requirement (3 credit hours)
IBC 684 Internship (3)

Culminating Experience (6 credit hours)
IBC 793 Applied Project (6)

Additional Curriculum Information
In order to use the 30 credits from a previously awarded master's degree, applicants must possess a bachelor's degree and master's degree from a regionally accredited postsecondary institution in the U.S. or an equivalent degree from an recognized international postsecondary institution.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree.

All applicants must submit an online graduate admission application. Applicants should see specific concentrations for the items that must be submitted.

Additional Application Information
An applicant whose native language is not English must meet university and degree program English proficiency requirements regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Behavioral Health (Clinical), DBH (NHBVHCDBH)

**Online Degree Search Title:** Behavioral Health (Clinical), DBH
**Campus:** Online

**Program Description:** The DBH is a global, interdisciplinary degree program that offers an innovative curriculum, direct patient care internship experience in an integrated primary care placement and an applied research project for domestic and international students. This degree is designed for those with prior completed clinical training and supervised clinical experience. Program clinical interns operate within the scope of clinical practice dictated by their existing state-issued license. The Doctor of Behavioral Health program of study does not provide a pathway to licensure.

Clinical concentration students learn how to develop and implement evidence-based interprofessional practices that are tailored to fit the needs of the local community, patient populations and health care systems. Students are prepared to anticipate trends in health care policy and to leverage their expertise using clinical practice skills, quality improvement approaches, population health strategies and health care cost management to thrive in the evolving health care marketplace.

The curriculum addresses the problem of poor health outcomes, barriers to patient access, and rising health care costs by preparing students to achieve the Quadruple Aim in health care of improved patient experience of care, population health management, cost savings and improved team satisfaction. Students learn to demonstrate cost savings and return on investment by developing a business case for integrated care. With a focus on team-based, whole person care, students learn strategies to improve team satisfaction that integrates behavioral health into traditional medical settings.

The student learning experience includes easy access to online articles, videos and websites; weekly live webinars led by faculty experienced in the field; live peer student interactions; and written assignments that parallel the writing used for clinical and business proposals.

In the culminating project, students address a primary care clinic's clinical, operational or financial challenge using the quality improvement model to solve key problems. Examples include how to support improved patient outcomes, improve organizational processes and integrated care clinical outcomes, or decrease provider stress and burnout by training them to use resources more efficiently.

The internship program is hands-on in a local primary care clinic with in-person consultation by a licensed faculty member in a weekly small group webinar format. Students also have a site preceptor with whom they collaborate in support of the patient-centered medical home and accountable care organization approaches to primary care. Students on the clinical track are independently licensed in their respective fields and collaboratively work with their internship site preceptor who is a trained medical professional not necessarily in their field of practice. This is consistent with an interprofessional team approach.

Students may join special research projects or have the opportunity for a semester of study abroad. The faculty are seasoned professionals and content experts representing clinical practice, management and applied research in integrated care.

**Degree Requirements:**
84 credit hours including the required applied project course (IBC 793).
Required Core (18 credit hours)
HCD 501 Biostatistics and Data Management (3)
IBC 586 Behavioral Health Professional Writing Style (3)
IBC 611 Population-Based Behavioral Health Management (3)
IBC 614 Quality and Performance Measurement, Improvement and Incentives in Health Care (3)
IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)

IBC 720 Behavioral Health Entrepreneurship (3)

Concentration (15 credit hours)
IBC 601 Models of Integrated Primary Care (3)
IBC 603 Brief Interventions in Primary Care (3)
IBC 604 Clinical Medicine/Pathophysiology (3)
IBC 608 Psychopharmacology for the Behavioral Care Provider (3)IBC 609 Clinical Neuropathophysiology (3)

Electives or Research (39 credit hours)

Other Requirement (6 credit hours)
IBC 684 Internship (6)

Culminating Experience (6 credit hours)
IBC 793 Applied Project (6)

Additional Curriculum Information
Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the total credit hours, with program approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- supplemental application
- copy of the applicant's license or license eligibility
- one professional reference
- updated curriculum vitae or resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants with master's degrees in counseling, family therapy, nursing, PA/NP, occupational health and social work, among others, are encouraged to apply. Students in the clinical concentration are required to hold a license or license eligibility to practice in a clinical field. The most competitive candidates are master's degree-level professionals who are either currently employed or have direct patient care experience in a clinical capacity in an integrated health care organization.

Licensed and license-eligible are terms defining a license to practice issued by a state licensing board (e.g., Arizona Board of Behavioral Health Examiners, Arizona Board of Occupational Therapy Examiners, etc.). Examples include license-eligible master's degree-level behavioral clinician, licensed master's degree-level behavioral clinician, and master's degree-level licensed medical or ancillary health care provider (nurse, dietitian, occupational therapist).

Within the university application, a supplemental application (https://chs.asu.edu/dbhc-application) must be submitted for admission consideration. The supplemental application includes acknowledgements of program policies, professional license disclosure and a series of essay questions (responses are restricted to 500 words or less).

All applicants are required to submit contact information for at least one professional reference. Examples of appropriate references include a current employer or supervisor who can assess either the applicant's clinical or professional performance or other professional persons (not relatives) such as a licensed behavioral health clinician, medical or other health care provider, or faculty member from the master's degree program who is well-acquainted with the applicant's professional practice or academic achievement. The reference is contacted via email to provide responses to a series of short answer questions to complete the recommendation.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/doctor-behavioral-health-clinical/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the clinical concentration program have the skills to move into clinical leadership and management positions across health care settings. They are well prepared to develop and manage programs related to integrated behavioral health care.

Potential job titles include:

- behavioral health provider, consultant or specialist in primary care and other medical settings
- CEO of integrated care
- clinical team manager
- director of clinical services or operations
- health and wellness manager
- integrated care clinical provider
- integrated care manager or consultant
- integrated health care manager or specialist
- wellness program administrator

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHBVHCDBH/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Behavioral Health (Management), DBH (NHBVHMDBH)

**Online Degree Search Title:** Behavioral Health (Management), DBH
**Campus:** Online

**Program Description:** The DBH is a global, interdisciplinary degree program that offers an innovative curriculum, a hands-on internship placement in health care settings, and an applied research project for domestic and international students.

Integrated health care is the team-based, coordinated approach to the treatment of medical and behavioral health issues, lifestyle issues and behaviors that affect health, all in one setting. The management concentration of the Doctor of Behavioral Health program provides students the knowledge and skills needed for management of integrated health care programs. Students learn about the impact of social determinants of health and health disparities and how to leverage resources to contain costs while ensuring the provision of quality health care.

The program enables both domestic and international students to tailor learned innovative management practices to local health system geography, culture and policy. The curriculum focuses on integrated health management in primary care, especially in the patient-centered medical home and accountable care organization models, and focuses on three areas: integrated behavioral health program design, quality and performance measurement, and business entrepreneurship. The curriculum includes emerging health technologies such as integrated health measures in electronic health records, mobile health applications, and wearable technology to facilitate and assist with tracking health behavior change, big data and analytics.

Graduates of the management concentration are positioned to achieve the Quadruple Aim in health care: improved patient experience of care, population health management, cost savings and improved health care team experience. They are expected to apply entrepreneurial concepts and skills to promote integrated health programs with key stakeholders, such as medical directors and chief executive officers.

The Doctor of Behavioral Health program of study does not provide a pathway to clinical or other licensure.

**Degree Requirements:**
84 credit hours including the required applied project course (IBC 793).
Required Core (18 credit hours)
HCD 501 Biostatistics and Data Management (3)
IBC 586 Behavioral Health Professional Writing Style (3)
IBC 611 Population-Based Health Management (3)
IBC 614 Quality and Performance Measurement, Improvement and Incentives in Health Care (3)
IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)
IBC 720 Behavioral Health Entrepreneurship (3)

Concentration (18 credit hours)
HCD 602 Health Informatics for Health Care Professionals (3)
IBC 601 Models of Integrated Primary Care (3)
IBC 626 Behavioral Health Management (3)
IBC 630 Financial Management of Health Care (3)
IBC 660 Healthcare Legal, Ethical, and Professional Issues (3)

IBC 740 Integrated Behavioral Interventions, Cost Savings, Medical Cost Offset and Return on Investment (3)

Electives or Research (39 credit hours)

Other Requirement (3 credit hours)
IBC 684 Internship (3)

Culminating Experience (6 credit hours)
IBC 793 Applied Project (6)

Additional Curriculum Information
Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credits from the master's degree toward the total credit hours, with program approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (on a 4.00 scale) in the applicable master's degree.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- supplemental application
- one professional reference
- updated curriculum vitae or resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants with master's degrees in business administration, public health, nursing, counseling, behavioral health, health care administration and social work, among others, are encouraged to apply. Applicants must be master's degree-level professionals who are either currently employed or aspire to be employed in a clinical capacity within integrated health care.

Within the university application, a supplemental application (https://chs.asu.edu/dbhm-application) must be submitted for admission consideration. The supplemental application includes acknowledgements of program policies and a series of essay questions (responses restricted to 500 words or less).

All applicants are required to submit contact information for at least one professional reference. Examples of appropriate references include a current employer or supervisor who can assess the applicant's clinical or professional performance, or other professional person (not relatives) such as a licensed behavioral health clinician, medical or other health care provider, or faculty from the applicant's master's degree program who is well acquainted with their professional practice or academic achievement. The reference will be contacted via email to provide responses to a series of short answer questions to complete the recommendation.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/doctor-behavioral-health-management/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the management concentration in the Doctor of Behavioral Health program have the organizational understanding and management skills required to move into leadership and management positions across health care settings. They are well prepared to develop and manage programs related to integrated behavioral health care and choose careers such as integrated care practice managers and leadership positions in integrated care delivery systems, health plans and managed care organizations as well as positions as integrated care industry consultants.

This program does not prepare non-clinicians for clinical practice.

Potential job titles include:

- behavioral health staff coordinator
- CEO or director of an integrated care practice or organization
- director of physician relations

- health and wellness manager
- integrated care manager
- member services manager
- operational care manager or team leader
- practice managers and facilitators
- quality improvement manager
- wellness program administrator

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHBVHMDBH/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Biomedical Diagnostics, MS (NHBMDMS)

**Online Degree Search Title:** Biomedical Diagnostics, MS
**Campus:** Online

**Program Description:** The MS program in biomedical diagnostics can be completed in one year, if enrolled full-time. Students studying biomedical diagnostics gain insights into a growing industry that is at the center of health care innovation and personalized medicine. The biomedical diagnostics program has been designed by expert faculty with significant experience in the business, legal and technical facets of diagnostics.

Students in the biomedical diagnostics program will generally progress through the four foundational areas:

- application of diagnostics
- business of diagnostics
- science of diagnostics
- technology of diagnostics

Students complete a culminating experience, the biomedical diagnostics applied project, in which they work with their fellow students on a team-based project with diagnostics leaders in industry on a topic relevant to the field.

**Degree Requirements:**
31 credit hours including the required applied project course (BMD 593).
Required Core (19 credit hours)
BMD 502 Foundations of Biomedical Informatics Methods I (3)
BMD 510 Current Perspectives in Biomedical Diagnostics (3)
BMD 511 Health Economics, Policy and Payment Models (3)
BMD 513 Principles of Diagnostic Technology: Immunoassays (4)
BMD 514 Principles of Diagnostic Technology: Molecular Diagnostics (3)
BMD 667 Regulation of Medical Diagnostics (3)

Electives (6 credit hours)

Research (3 credit hours)
BMD 592 Research (3)

Culminating Experience (3 credit hours)
BMD 593 Applied Project (3)

Additional Curricular Information
Students should see the academic unit for a list of approved elective courses. BMD 592 and BMD 593 are contiguous courses and cannot be taken in different academic years.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university in one of the following fields, or a closely related field: biomedical informatics, biology, life sciences, chemistry, biochemistry, engineering, biomedical engineering, business, computer science, supply chain management, health sciences or medical studies.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume or curriculum vitae
- statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The one- to two-page statement of purpose should include the applicant's interest in the program, what they expect to learn from the program, their professional goals, and a short description of their background in the sciences.

The professional resume should be one to two pages and include relevant professional, educational and personal experience.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-biomedical-diagnostics/) for program descriptions and to request more information.

**Career Opportunities:** Professional opportunities are quite broad and depend on the individual's educational and work backgrounds as well as the personal interests of the student. Graduates can pursue diverse options such as executive leadership, competitive intelligence, research and development, laboratory management or entrance to professional school. The following career examples are just a small portion of the possibilities:

Analysts

- clinical research
- competitive intelligence
- quality assurance
- research lab

Department Heads

- diagnostics
- laboratory
- regulatory compliance
- research and development

Managers

- accounts
- clinical research
- marketing and sales
- medical and health services
- product
- quality control
- research lab

Technologists

- clinical lab
- research lab

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHBMDMS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Biomedical Informatics, MS (ESBIOINFMS)

**Online Degree Search Title:** Biomedical Informatics, MS
**Campus:** Tempe

**Program Description:** The MS in biomedical informatics offers students the opportunity to become professionals who use biomedical data, information and knowledge to improve human health.

Students in the master's program learn problem-solving, theory and the methodologies underlying the field of biomedical informatics. They take courses in areas such as knowledge representation, clinical environments, imaging, bioinformatics and data science. Core courses provide a background in clinical informatics, while electives allow specialization in focus areas such as data science or mobile health.

Biomedical informatics fosters collaborations among academic researchers, clinical practitioners and regional health care providers to apply new developments in informatics theory to clinical practice. The program educates students in the informatics knowledge and skills that will enable them to:

- detect disease early
- improve the patient hospital experience
- improve the precision of diagnosis
- improve the quality of patient health care and reduce its cost
- minimize hospital visits

Biomedical informatics has a key role to play in the transition to more effective and efficient health care through the use of knowledge and information technology.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biomedical Informatics, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
32 credit hours including the required applied project course (BMI 593).
Required Core (17 credit hours)
BMI 502 Foundations of Biomedical Informatics Methods I (3)
BMI 505 Foundations of Biomedical Informatics Methods II (3)
BMI 515 Applied Biostatistics in Medicine and Informatics (3)
BMI 540 Problem Solving in Biomedical Informatics (3)
BMI 570 BMI Symposium (2)
BMI 601 Fundamentals of Health Informatics (3)

Other Requirements (3 credit hours)
BMI 404 Clinical Environments (3) or
BMI 504 Introduction to Clinical Environments (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)
BMI 593 Applied Project (3)

Additional Curriculum Information
Students should contact the academic unit for a list of approved elective courses. Electives must include at least 6 credit hours of BMI coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology, computer science, engineering, nursing or statistics from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- professional resume or CV
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds or post-baccalaureate training also will be considered.

All applicants must have basic competencies in general biology (similar to BIO 188), statistics (HCD 300 or STP 226) and computer programming (CSE 110).

A one- to two-page statement of purpose is required. Students must explain why they are interested in the program, outline their background, describe expected outcomes from the program, identify potential faculty advisors and areas of research, and elaborate on how the degree will support their goals.

In order to accommodate students' diverse backgrounds, the statement must include at least one paragraph that describes the educational and professional background in the following three areas: computer science; statistics and mathematics; and biological sciences and health sciences.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Graduates will be able to synthesize the history and values of biomedical informatics and its relationship to other fields while demonstrating an ability to read, interpret and critique the core literature and be prepared to be successful in the biomedical informatics workforce.
•Graduates of this program will be able to apply and evaluate approaches in the context of biomedical problems, including imaging and signal analysis; information documentation, storage and retrieval; machine learning and data mining; networking, security and databases; natural language processing and semantic technologies; representation of logical and probabilistic knowledge and reasoning; simulation and modeling; and software engineering.
•Graduates of this program will be able to apply knowledge in design, evaluation, behavioral and organizational sciences, ethical and legal issues, and economic and social context of biomedical research, pharmaceutical and biotechnology industries, medical instrumentation, health care and public health.

**Career Opportunities:** Professionals with advanced training in biomedical informatics are in high demand across a variety of sectors and industries, including academics institutions, not-for-profit research institutes, governmental and public health agencies, health care organizations, as well as information technology, biotech and pharmaceutical industries. Graduates can also pursue acceptance to medical school.

Career examples include:

- account manager
- analyst
- data scientist
- product manager
- research scientist

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/ESBIOINFMS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Biomedical Informatics, PHD (ESBMIPHD)

**Online Degree Search Title:** Biomedical Informatics, PhD
**Campus:** Tempe

**Program Description:** The PhD program in biomedical informatics enables students to develop expertise in areas such as bioinformatics, clinical informatics, population health management and imaging science. The biomedical informatics program fosters collaborations among academic researchers, health care providers and industry partners to apply new developments in informatics theory to clinical practice, biomedical research

and public health.

Additional specialization coursework in an area of focus and emphasis on independent research places students at the leading edge of the field. Strong collaborative relationships with a variety of health care organizations, the bioscience industry, and governmental agencies provide an unparalleled opportunity for doctoral students to explore and contribute to advances in informatics. Students may also explore cross-cutting areas such as data science and artificial intelligence.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (22 credit hours)
BMI 502 Foundations of Biomedical Informatics Methods I (3)
BMI 504 Introduction to Clinical Environments (3)
BMI 505 Foundations of Biomedical Informatics Methods II (3)
BMI 515 Applied Biostatistics in Medicine and Informatics (3)
BMI 540 Problem Solving in Biomedical Informatics (3)
BMI 560 Teaching in Biomedical Informatics (2)
BMI 570 BMI Symposium (2)
BMI 601 Fundamentals of Health Informatics (3)

Electives (32 credit hours)

Research (18 credit hours)
BMI 792 Research (18)

Culminating Experience (12 credit hours)
BMI 799 Dissertation (12)

Additional Curriculum Information
Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the total credit hours, with program approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- educational background essay
- professional resume or CV
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Prior bachelor's or master's degrees in biology, computer science, engineering or statistics, or post-baccalaureate training as a health professional in medicine, nursing or pharmacy are preferred. Applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds are also considered.

All applicants must have basic competencies in general biology (BIO 181), statistics (HCD 300 or STP 226) and computer programming (CSE 110).

The statement of purpose should be one to two pages that indicate the applicant's interest in the program, knowledge of the field, and career plans. Applicants are encouraged to connect with program faculty who could be potential research mentors and, if it is available at the time of application, to include this information in their statement.

In order to accommodate students' diverse backgrounds, the applicant is asked to describe their educational and professional background in the following areas: computer science, decision sciences, artificial intelligence, statistics and mathematics, biological sciences and health sciences. This essay is to be no longer than one page.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Generate designs to solve biomedical informatics problems.
•Apply theories, typology, frameworks, representations, methods, and processes used in different contexts of biomedical informatics
•Create new knowledge, including theories, typologies, frameworks, representations, methods, and processes, to address biomedical informatics problems

**Career Opportunities:** Professionals with advanced training in biomedical informatics are in high demand across a variety of sectors and industries, including academics institutions, not-for-profit research institutes, governmental and public health agencies, health care organizations, as well as information technology, biotech and pharmaceutical industries.

Career examples include:

- bioinformatics scientist
- biostatistician
- data scientist
- deep learning engineer
- public health informatics scientist
- research scientist
- senior analyst
- software engineer
- university faculty

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/ESBMIPHD/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Clinical Exercise Physiology, MS (NHCEPMS)

**Online Degree Search Title:** Clinical Exercise Physiology, MS
**Campus:** Downtown Phoenix

**Program Description:** The MS program in clinical exercise physiology prepares students for careers as clinical exercise physiologists.

Students learn how to use primary and secondary prevention strategies to improve, maintain or abate declines in fitness and health in populations of various age groups, e.g., children, adults, older adults. They also learn to collaborate with medical professionals to guide exercise and rehabilitation programs for at-risk clients and clients with chronic diseases.

The American College of Sports Medicine is the national association responsible for establishing guidelines and recommendations for exercise testing, prescription and evaluation of research for both healthy populations and those with chronic disease. The ACSM certification is deemed the organization's most prestigious credential for clinical professionals with a master's degree and 600 hours of hands-on clinical experience. This program provides students with the knowledge, clinical experience and skills they will need to successfully complete the registration examination for the registered clinical exercise physiologist certification.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Clinical Exercise Science, BS
Kinesiology, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
31 credit hours and a written comprehensive exam, or 31 credit hours, a thesis and a written comprehensive exam.
Required Core (21 credit hours)
EXW 501 Research Statistics (3)

EXW 535 Advanced Exercise Assessment and Prescription (3)
EXW 542 Health Promotion (3)
EXW 560 Cardiopulmonary Rehabilitation (3)
EXW 565 Cardiovascular and Pulmonary Physiology (3)
EXW 568 Management and Treatment of Chronic Disease for the Clinical Exercise Physiologist (3)
KIN 547 ECG Interpretation (3)

Electives (1 credit hour)
EXW 591 Seminar (1)

Other Requirement (3 or 9 credit hours)
EXW 500 Research Methods (3), or
EXW 515 Advanced Exercise Physiology (3) and EXW 584 Clinical Exercise Physiology Internship (6)

Culminating Experience (0 or 6 credit hours)
written comprehensive exam (0) or
EXW 599 Thesis (6)

Additional Curriculum Information
This program has a thesis option or a nonthesis option. Students in the thesis option must take EXW 500 Research Methods prior to EXW 599 Thesis. Students who select the nonthesis option must complete a clinical internship of six credit hours EXW 584 Clinical Exercise Physiology Internship and take EXW 515 Advanced Exercise Physiology.

All students must pass a written comprehensive exam. Thesis students must also pass an oral defense.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in exercise science, exercise physiology, kinesiology or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume or CV
- letter of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students who do not have credit for basic courses from their undergraduate degree must complete the courses prior to beginning the application process or prior to beginning graduate coursework. The corresponding ASU course can be found in parentheses:

- Human Anatomy and Physiology with laboratories (BIO 201 and BIO 202)
- Physiological Foundations of Movement [Exercise Physiology] (KIN 340)
- Human Nutrition (NTR 241)
- Functional Anatomy/Kinesiology (KIN 334)
- Psychology (PSY 101)
- Statistics (STP 226 or similar)
- Exercise Testing with Laboratory (EXW 420)
- Exercise Prescription (EXW 425)

At least two of the three letters of recommendation must come from academic references (such as prior instructors) with at least one from the applicant's major.

The professional resume should be one or two pages and include relevant personal, professional and educational experiences.

GRE scores are encouraged but not required. They may be submitted, if available.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Synthesize the current literature and guidelines on the epidemiology, pathophysiology, progression, risk factors, key clinical findings, and treatments of chronic diseases.

•Create exercise training interventions for patients with chronic disease.

•Analyze patient status changes through continuous monitoring of exercise interventions while incorporating behavior modification models that support active patient engagement.

**Career Opportunities:** Clinical exercise physiology, in which exercise is used to help clients manage or reduce their risk of chronic disease, is a relatively new career field. It is an exciting and growing profession in the health care realm that has recently been organized on the national level, recognized by the federal government and defined as an occupation. This unique and vital profession will grow as certifications and licensures support the value of clinical exercise physiology.

Career opportunities are available in:

- hospital-based clinical research facilities
- hospitals
- outpatient clinics
- physician offices
- university and research laboratories

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Communication Disorders, MS (LACOMDISMS)

**Online Degree Search Title:** Communication Disorders, MS
**Campus:** Tempe

**Program Description:** The MS program in communication disorders prepares students to become certified speech-language pathologists. This is a full-time residential program that can be completed in 20 months.

In the first year of the program, students take a series of courses to develop knowledge of and skills in assessment and intervention approaches for communication disorders across the life span. They also gain hands-on experience providing services to real-world clients in on-campus clinics, guided by clinical faculty educators. In the second year, students take elective courses to further develop their knowledge in selected topic areas and to acquire additional clinical skills in supervised external placements in the community.

This program offers research and clinical opportunities in many diverse settings, including inpatient and outpatient medical sites, public schools, early intervention programs and private practice clinics. A part-time employment program is available for speech-language pathology assistants in public schools. Those seeking specialized training can pursue a certificate in multilingual and multicultural services.

The program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

**Degree Requirements:**
60 credit hours and a thesis, or 60 credit hours and a written comprehensive exam.
Required Core (34 credit hours)
SHS 538 Clinical Methods and Simulation in Speech-Language Pathology (4)
SHS 539 Professional Issues in Speech-Language Pathology (2)
SHS 567 Neural Bases of Communication Disorders (2)
SHS 570 Communication Disorders and Multicultural Populations (2) or SHS 597 Bilingual Speech-Language Pathology (2)
SHS 571 Augmentative Communication and Language Programming (2)
SHS 572 Language Assessment and Intervention in Infants and Toddlers (2)
SHS 573 Language Assessment and Intervention with School-Age Populations (2)
SHS 574 Management of Feeding and Swallowing Disorders (2)
SHS 575 Aphasia and Related Neurogenic Language Disorders (2)

SHS 577 Current Assessment, Intervention and Research in Autism (2)
SHS 578 Fluency Disorders (2)
SHS 579 Voice and Resonance Disorders (2)
SHS 581 Traumatic Brain Injury and Cognitive Linguistic Disorders (2)
SHS 582 Differential Diagnosis of Communication Disorders (2)
SHS 585 Articulation and Phonology: Assessment and Intervention (2)
SHS 587 Language Assessment and Intervention with Preschool Populations (2)

Electives (0 or 6 credit hours)

Other Requirements (20 credit hours)
SHS 500 Research Methods (1)
SHS 580 Clinical Practicum (9)
SHS 584 Clinical Internship (10)
American Speech-Language-Hearing Association Praxis national exam in speech language pathology (0)

Culminating Experience (0 or 6 credit hours)
written comprehensive exam (0) or
SHS 599 Thesis (6)

Additional Curricular Information
Students who choose the written comprehensive examination as their culminating experience must take six credit hours of electives. Students should see their academic unit for an approved list of elective courses.

All students must take the American Speech-Language Hearing Association Praxis national exam and have their scores reported to the program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in speech and hearing science or a related field from a regionally accredited institution and completed prerequisite coursework in speech and hearing.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume/CV
- personal statement not to exceed 300 words
- email addresses of three recommenders
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

At least two of the three recommenders must be speech and hearing faculty. The third recommender may be professional.

Applicants who have earned a bachelor's degree in related fields will be considered; however, these applicants will be required to complete prerequisite coursework prior to admission. Courses include:

- introduction to phonetics (SHS 250)
- anatomical/physiological bases of speech (SHS 310)
- hearing science (SHS 311)
- language science (SHS 367)
- speech science (SHS 375)
- introduction to audiology (SHS 401)
- clinical methods and treatment of communication disorders (SHS 402)
- speech and language acquisition (SHS 465 or 565)
- aural rehabilitation (SHS 496 or 596) strongly recommended

An interview may be required in person or via teleconference.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Generate recommendations for clients by synthesizing in-depth knowledge of communication and swallowing processes including etiologies, characteristics, anatomical physiological, acoustic, psychological, developmental, linguistic, and cultural correlates.
•Formulate prevention, assessment and treatment options for clients with communication and swallowing disorders
•Demonstrate skill based competency in the evaluation and treatment of people across the life span with communication, speech, language, literacy, cognition and swallowing difficulties.
•Function in their role as a speech-language pathologist including active utilization of interprofessional collaboration, interpersonal skills, counseling skills, supervision, advocation for individuals who need services as well as the ability to act in accordance with the ethical, legal and philosophical principles of the speech-language pathology profession and the American Speech-Language-Hearing Association.
•Evaluate evidence based resources using scientific foundation principles to justify an approach to service provision as a speech-language pathologist.

**Career Opportunities:** Speech-language pathologists evaluate speech, cognitive, hearing and language test results, swallow results, or medical or background information to diagnose and plan treatment for speech, language, fluency, voice or swallowing disorders.

There are many opportunities to work with culturally and linguistically diverse populations. Speech-language pathologists collaborate with other professionals on a daily basis. People who value relationships, independence and helping others achieve optimal performance are a great fit for this career.

Speech-language pathologists are in high demand and can find employment in a wide range of settings including schools, private practice, early intervention programs, medical centers, hospitals and clinics. Employment rates are extremely high, especially in school settings.

Career settings include:

- all levels of schools, including elementary, middle and high school
- early intervention settings, including home health
- inpatient and acute care hospitals
- neonatal intensive care units
- outpatient rehabilitation
- pediatric outpatient centers

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/LACOMDISMS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Communication Disorders in Multilingual/Multicultural Populations (certificate), Certificate (NHCDMPGRCT)

**Online Degree Search Title:** Communication Disorders in Multilingual/Multicultural Populations (Graduate Certificate)
**Campus:** Tempe

**Program Description:** Designed for students in the master's degree program in communication disorders, this specialized certificate program provides expanded coursework in issues related to culturally and linguistically diverse populations. In addition to enhanced academic courses, this program offers clinical experience in community-based settings and engagement in community-centered, interprofessional projects.

Students who complete the certificate program have the knowledge and practical experience to effectively address the needs of culturally and linguistically diverse adults, children and families. Knowledge of another language is not required.

**Degree Requirements:**
17 credit hours including the required applied project course (SHS 593).
Required Core (10 credit hours)
SHS 524 Counseling in Communication Disorders (2)
SHS 570 Communication Disorders and Multicultural Populations (2)
SHS 586 Language Essentials for Teaching Reading (2)
SHS 588 Bilingual Language Acquisition (2)
SHS 597 Bilingual Speech-Language Pathology (2)

Other Requirement (5 credit hours)
SHS 584 Clinical Internship (5)

Culminating Experience (2 credit hours)
SHS 593 Applied Project (2)

Additional Curriculum Information
The culminating experience is an applied, community-based project that builds depth of knowledge that results in a paper that students must present to the academic unit.

As part of the certificate requirements, students also must complete an online module on parent training with culturally and linguistically appropriate techniques.

Students who wish to obtain a bilingual endorsement must complete the Arizona Classroom Teacher Spanish Proficiency Examination administered by the School of International Letters and Cultures.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the certificate program if they are enrolled in the MS program in communication disorders at ASU.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent or written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Candidates who have undergraduate deficiencies may need to take required prerequisite courses.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Adapt communication, assessment, and treatment to meet the cultural and linguistic diversity of the clients they serve.
- •Practice as a speech language pathology clinician and evaluate appropriate resources, including mentorship, in settings that have culturally and linguistically diverse populations.
- •Use evidence-based practices to serve children who are culturally and linguistically diverse.

**Career Opportunities:** Employers in many settings value professionals who are equipped to work with diverse populations. Students can advance their career options as a certified and licensed speech-language pathologist with this certificate that demonstrates that they have undertaken the specialized training required for working with clients who have diverse linguistic or cultural backgrounds.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHCDMPGRCT/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

# Exercise and Nutritional Sciences, PHD (ECNUTRIPHD)

**Online Degree Search Title:** Exercise and Nutritional Sciences, PhD
**Campus:** Downtown Phoenix

**Program Description:** With integrated disciplinary contexts, the PhD in exercise and nutritional sciences curriculum trains scholars and leaders to conduct high-impact, interdisciplinary research in exercise and nutritional sciences, to address exercise and nutrition-related health problems, and to develop effective physical activity, exercise and nutrition interventions. In contrast to other programs, this program integrates exercise, nutrition and health promotion research using a problem-centered, interdisciplinary approach. The exercise and nutritional science program emphasizes translational research, spanning from pre-clinical research aimed at understanding the biological mechanisms through which diet and exercise impact health and well-being, to clinical trials and the implementation of evidence-based practices in the community.

Students work collaboratively with an approved mentor from the beginning to the end of the doctoral program and focus their research on one primary area of interest: translational metabolism and physiology, behavioral and community health sciences, or biomechanics and motor control. Students and faculty conduct high-quality, use-inspired research intended to reduce the physical, social and economic costs of unhealthy living. Students engage in research at every stage of the program through participation in research practicums, translational research teams, research seminars and colloquia, and dissertation research.

After earning a master's degree, the program can be completed in four years with full-time study. The program also accepts part-time students.

**Degree Requirements:**
89 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
EXW 640 Analysis of Variance for Exercise and Wellness (3)
EXW 645 Advanced Applied Methods and Data Analysis (3)

Required Research (12 credit hours)
EXW 700 Research Methods (3)
EXW 701 Advanced Research Methods (3)
EXW 780 or NTR 780 Practicum (6)

Elective Research (15 credit hours)

Professional Development (5 credit hours)
EXW 691 or NTR 691 Seminar (3)
EXW 784 Internship (2)

Focus Area (9 credit hours)

Electives (30 credit hours)

Culminating Experience (12 credit hours)
EXW 799 or NTR 799 Dissertation (12)

Additional Curriculum Information
Students tailor a course of study in one of three focus areas: behavioral and community health sciences, biomechanics and motor control, or metabolism and physiology. Courses in the focus are determined in collaboration with the student's supervisory committee.

Professional development courses include a teaching internship (EXW 784) to prepare students to become teaching faculty and three semesters of a seminar course (EXW/NTR 691) that addresses career opportunities and preparation for faculty or professional positions in the nutrition, exercise and health promotion fields.

Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the total credit hours, with program approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in any field from a regionally accredited institution, and prefer that a data-based research thesis has been completed.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, and applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent
- professional resume
- three letters of recommendation
- teaching or research assistantship application
- writing sample (six to 10 pages)
- an oral interview with program faculty (via Skype or Zoom) prior to acceptance
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letter of intent should indicate research or scholarly interest, primary program area, statement of career goals and name of a potential faculty mentor from the list of approved faculty mentors.

All applicants must have completed a graduate-level research methods and a graduate-level research statistics course prior to admission. Students are expected to take a refresher in research methods and research statistics the summer prior to starting the program.

It is expected that students admitted to the program have documented academic training and a strong interest in nutrition science, exercise science, biomechanics, rehabilitation or health promotion. Thus, depending on the student's academic training, background, scholarly interests and focus area, a student may be asked to take undergraduate courses as deficiencies prior to, or concurrently with, graduate course enrollment.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Apply appropriate advanced research methodology in the design and evaluation of research studies in exercise and nutritional sciences.
•Apply appropriate statistical analyses to evaluate research and data relevant to exercise and nutritional sciences.
•Create a grant proposal that clearly demonstrates significance, innovation, and a scientifically justified approach to address a novel research question.
•Communicate research findings to scientific audiences, including peer-reviewed literature and presentations at scientific conferences and to lay audiences.

**Career Opportunities:** Graduates are prepared for research careers in research-intensive universities, governmental agencies and health-related research positions in private industry. Students are strongly encouraged to pursue postdoctoral research opportunities upon graduation.

Career examples include:

- consultant
- entrepreneur
- exercise physiologist
- dietician or nutritionist
- health educator
- health, research or sports scientist
- postsecondary biomechanics, exercise science or nutrition teacher
- professor
- public health professional

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/ECNUTRIPHD/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Genetic Counseling, MS (NHGCOMS)

**Online Degree Search Title:** Genetic Counseling, MS
**Campus:** Downtown Phoenix

**Program Description:** The MS in genetic counseling program, accredited by the Accreditation Council for Genetic Counseling, prepares students for a successful career as a genetic counselor where they can apply their knowledge and unique skill set to help advance the understanding of genetics and genomic-related conditions within the communities where they work and live.

The two-year, full-time program offers an engaging and comprehensive curriculum covering: clinical genetics and genomics; the fundamentals of genetic counseling and advanced genetic counseling techniques; cultural competencies in genetics; social and ethical dimensions of genetic counseling and decision-making; and the role of genetic counselors in laboratories and research. The curriculum is taught by genetic counselors and medical geneticists.

Students will also have the opportunity to participate in fieldwork experiences throughout Phoenix. Upon graduation, new graduates will be prepared to pass the American Board of Genetic Counseling certification exam and find a job that fits their skill set.

**Degree Requirements:**
71 credit hours and a thesis, or 71 credit hours including the required applied project course (GCO 593).
Required Core (46 credit hours)
BMD 562 Bioethical Issues in Applied Biomedicine (3)
GCO 510 Fieldwork Preparatory (1)
GCO 530 Genetic Counseling Fundamentals (3)
GCO 540 Foundations of Medical Genetics (3)
GCO 560 Practice of Genetic Counseling (3)
GCO 570 Clinical Genetics (3)
GCO 610 Laboratory Fundamentals and Population Screening (3)
GCO 620 Genetic Counseling Techniques (3)
GCO 625 Cultural, Ethical and Legal Aspects of Genetics (3)
GCO 630 Advanced Genetic Counseling Techniques (3)
GCO 650 Cancer, Cardiac Genomics and Precision Medicine (3)
GCO 659 Embryology and Genetics (3)
GCO 660 Professional Issues for Genetic Counselors (3)
HCD 501 Biostatistics and Data Management (3)
HCD 520 Population Health (3)
IBC 640 Family and Couples in Primary Care (3)

Fieldwork (15 credit hours)
GCO 583 or GCO 683 Fieldwork (15)

Other Requirements (4 credit hours)
GCO 691 Topic: Journal Club I (1)
GCO 691 Topic: Journal Club II (1)
GCO 691 Topic: Journal Club III (1)
GCO 691 Topic: Journal Club IV (1)

Culminating Experience (6 credit hours)
GCO 593 Applied Project (6) or
GCO 599 Thesis (6)

Additional Curriculum Information
GCO 691 Journal Club topics are taken consecutively for 1 credit hour in each term of the program.

Students must have a minimum of 50 participatory cases during their fieldwork experiences with individuals who are being evaluated in the specialty areas of prenatal, pediatric, cancer and other adult conditions, with no one specialty dominating. All 50 participatory cases must be supervised by an experienced ABGC/ABMG(G)/CAGC certified genetic counselor. Students will be placed in fieldwork sites by the program.

The MS Genetics Counseling is classified as Accredited, New Program by the ACGC. https://www.gceducation.org/students-volunteers/#program (https://www.gceducation.org/students-volunteers/#program)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admissions application and application fee
- official transcripts
- letter of intent

- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must register with National Matching Services, Inc. (Match) prior to applying to ASU in order to be considered for this program. https://natmatch.com/gcadmissions/ (https://natmatch.com/gcadmissions/). The Genetics Counseling, MS program at ASU has an ID code of 15710. Applications will be reviewed by the admissions committee only once all materials have been received and the applicant has registered with Match.

The letter of intent should include experience and knowledge in the field of genetic counseling and articulate what makes the applicant a good candidate for this program. At least one letter of recommendation should be from a genetic counselor or other genetics professional. Academic and professional recommendations are strongly encouraged.

All applicants are strongly encouraged to interview genetic counselors and observe genetic counseling sessions when possible. Experience working in the health care setting, volunteering or working with individuals who have special needs and advocacy experience or experience providing crisis counseling is also highly recommended.

**Career Opportunities:** Graduates of the program are prepared for a position as a genetic counselor in clinical care, research or a laboratory setting or as an industry based genetic counselor. Genetic counselors are uniquely trained with a skill set that will allow them to work in a variety of medical, scientific or research-based settings as well as in private practice and academia.

U.S. News & World Report ranked genetic counselor at No. 2 in Best Healthcare Support Jobs in 2020. The Bureau of Labor Statistics predicts a growth rate of 29% for genetic counseling positions between the years 2014 to 2024.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Health Informatics, MAS (GCHLHINMAS)

**Online Degree Search Title:** Health Informatics, MAS
**Campus:** Online

**Program Description:** The MAS in health informatics is a flexible program designed to meet the needs of working professionals. Core courses provide a background in clinical informatics while electives allow students to specialize in areas such as data science or mobile health. Focus areas include workflows, population health management and data analysis.

**Degree Requirements:**
30 credit hours including the required applied project course (BMI 593).
Required Core (15 credit hours)
BMI 601 Fundamentals of Health Informatics (3)
BMI 603 Health Informatics Database Modeling and Applications (3)
BMI 604 Health Information Communication (3)
BMI 614 Current Perspectives in Health Informatics (3)
HCD 575 Leadership and Professionalism (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)
BMI 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as biology, computer

science, medicine, nursing, pharmacy or public health from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- two letters of recommendation
- statement of purpose
- proof of English proficiency

Additional Admission Requirements
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. TOEFL iBT or IELTS scores must be from tests taken no more than two years prior to the applicant's anticipated start date at ASU.

The personal statement should be a maximum of 500 words that includes the applicant's interest in the program, what they hope to learn and accomplish, and their career goals.

Letters of recommendations must be from current or former professors, or from supervisors of related work experience.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-health-informatics/) for program descriptions and to request more information.

**Career Opportunities:** The degree program prepares graduates with skills for careers in a wide range of health care settings. Professionals from fields outside of health and health care can also develop the skills needed to transition into careers in this rapidly expanding field.

Career opportunities include:

- clinical analyst
- clinical application developer
- clinical informatics manager
- director of clinical informatics (medical informatics)
- director of health information management or health IT
- electronic health record application specialist
- health care data analyst
- health care informatics consultant or manager
- health care IT project manager
- health data resource manager or clinical data manager

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/GCHLHINMAS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Integrated Behavioral Health - Clinical (Certificate), Certificate (NHIBHCGRCT)

**Online Degree Search Title:** Integrated Behavioral Health -Clinical (Graduate Certificate)
**Campus:** Online

**Program Description:** The integrated behavioral health clinical certificate meets the growing demand to integrate behavioral health clinicians into primary care or other traditional medical settings. This program trains students in evidence-based practice and team-based care focused on quality, population health, technology and cost effectiveness and provides a certificate which indicates training in the provision of integrated behavioral health. It is ideal for clinicians who aspire to work in integrated primary care behavioral health.

The curriculum offers students a deeper understanding of models of primary care behavioral health and training on evidence-based approaches to behavioral health care, population-based health and medical literacy to ensure applicants have a working knowledge of the skills necessary for success.

The program may be completed as a stand-alone program, to supplement a student's existing clinical skills or their current practice within an integrated team-based health care setting, or to complement a student's major program of study.

**Degree Requirements:**
15 credit hours.
Required Core (12 credit hours)
IBC 601 Models of Integrated Primary Care (3)
IBC 603 Brief Interventions in Primary Care (3)
IBC 604 Clinical Medicine/Pathophysiology (3)
IBC 611 Population-based Behavioral Health Management (3)

Electives (3 credit hours)

Additional Curriculum Information
Students should see the academic unit for the approved course list of electives. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in a related field such as social work, counseling, family therapy, clinical psychology or nursing, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of intent
- one professional reference
- current resume or curriculum vitae
- submission of licensure form and copy of license
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

All applicants are required to hold a master's degree that results in behavioral health licensure or license-eligibility. In rare cases, applicants are considered with a master's degree and licensure unrelated to their degree (e.g., applicant with a master's degree in public health and licensure as a registered dietician).

All applicants are required to submit contact information for at least one professional reference. The reference will be contacted via email to provide responses to a series of short answer questions to complete the recommendation.

Applicants are asked to respond to the following prompt for the statement of intent:

The integrated behavioral health (clinical) certificate program focuses on evidence-based techniques for integrated primary care (e.g., behavioral interventions that incorporate a therapeutic lifestyle change or incorporate a patient's medical condition). Clearly articulate the specific career goals and the detailed ways an IBH (clinical) certificate will help you accomplish those goals. Please be sure to incorporate information from the program description and required courses.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/integrated-behavioral-health-clinical-graduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** Graduates who have combined the certificate in clinical integrated behavioral health with their major program of study, their license or their practice within integrated team-based health care settings may be more marketable to employers.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHIBHCGRCT/graduate/false/91415
HLTHN 401AA

CHSGrad@asu.edu
602-496-3300

## Integrated Behavioral Health - Management (Certificate), Certificate (NHIBHMGRCT)

**Online Degree Search Title:** Integrated Behavioral Health - Management (Graduate Certificate)
**Campus:** Online

**Program Description:** The integrated behavioral health management certificate meets the growing demand for health care managers of programs that integrate behavioral health into primary care and other traditional medical settings. This program trains students to manage and contain health care costs while working to obtain a return on investment through revenue management in the various health care financial models.

Students learn to develop management strategies that address the needs of populations with evidence-based practices and team-based care that is focused on quality, leveraging technology and cost effectiveness.

The program may be completed as a stand-alone program, as a supplement to a student's existing clinical skills or their current practice within an integrated team-based health care setting, or it can complement a student's major program of study.

**Degree Requirements:**
15 credit hours.
Required Core (12 credit hours)
IBC 601 Models of Integrated Primary Care (3)
IBC 614 Quality and Performance Measurement, Improvement and Incentives in Health Care (3)
IBC 626 Behavioral Health Management (3)
IBC 630 Financial Management of Health Care (3)

Electives (3 credit hours)

Additional Curriculum Information
Students should see the academic unit for the approved course list of electives. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of intent
- one professional reference
- current resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

All applicants are required to submit contact information for at least one professional reference. The reference will be contacted via email to provide responses to a series of short answer questions to complete the recommendation.

Applicants are asked to respond to the following prompt for the statement of intent:

The integrated behavioral health (management) certificate focuses on management of organizations that offer integrated behavioral health services (e.g., utilizing quality improvement strategies, cost containment and control). Clearly articulate your specific career goals and the detailed ways an IBH (management) certificate will help you accomplish those goals. Please be sure to incorporate information from the program description and required courses.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/integrated-behavioral-health-management-grad-certificate/) for program descriptions and to request more information.

**Career Opportunities:** This innovative program can help advance students' career options. Those who have earned this specialization are more marketable to employers.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHIBHMGRCT/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Integrated Health Care, MIHC (NHIHCMIHC)

**Online Degree Search Title:** Integrated Health Care, MIHC
**Campus:** Online
ASU is not currently accepting applications for this program. Interested students should apply to the Science of Health Care Delivery MS (https://degrees.apps.asu.edu/masters-phd/major/ASU00/NHSHCDMS/science-of-health-care-delivery-ms) program.
**Program Description:** Graduates of the MIHC degree program are prepared to develop, implement, evaluate and sustain integrated care delivery in diverse health care settings.

Through the Master of Integrated Health Care program, students gain management-level knowledge in health care operations, financial management, quality improvement, big data analytics, evidence-based practice, interprofessional leadership, teamwork and strategic planning. Students apply their knowledge and advance their competencies through a final project. With the final project, they have the opportunity to assist an existing or emerging practice, to develop or improve programs that include interprofessional team-based health care, integrated care programs, or programs that integrate medical and behavioral health care.

**Degree Requirements:**
30 credit hours including the required applied project course (IBC 593).
Required Core (21 credit hours)
HCD 570 Process Engineering (3)
HCD 575 Leadership and Professionalism (3)
HCD 602 Health Informatics for Future Health Care Professionals (3)
IBC 520 Integrated Health Care: The Patient-Centered Medical Home (PCMH) (3)
IBC 530 Evidence-based Integrated Health Care (3)
IBC 550 Integrated Care Business Operations (3)
IBC 570 Integrated Health Care Financial Management (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
IBC 593 Applied Project (3)

Additional Curricular Information
Students select HCI 500-level elective courses with approval from the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in social or behavioral sciences, health, business, public health, management or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- personal statement
- official transcripts
- curriculum vitae
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-integrated-healthcare/) for program descriptions and to request more information.

**Career Opportunities:** Graduates have the competencies to serve as managers in primary care clinics, hospitals, mental health and substance abuse treatment programs, health plans, disease management and employer-based wellness programs, and other innovative settings that integrate medical treatment with behavioral health care, also known as integrated care settings.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/degree-programs/health-care-systems
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## International Health Management, MIHM (NHIHMIHM)

**Online Degree Search Title:** International Health Management, MIHM
**Campus:** Online

**Program Description:** The 100% online MIHM degree is offered by Arizona State University in partnership with the University of New South Wales in Sydney, Australia.

Ideal for students seeking a career in international health systems management, this Master of International Health Management program advances the core principles of the PLuS Alliance to develop solutions to global challenges and generate social impact in health and health care. The collaborative and international nature of the program provides students access to global academic networks and industry partners.

Students in the program build knowledge necessary for leadership and management, including in policy, economics, finance, quality and safety, from the combined expertise of faculty at two world-renowned research universities. After courses in health care management, finance and comparative health systems, students choose an area of focus in health informatics, quality improvement in health care, health economics or hospital management.

**Degree Requirements:**
30 credit hours including the required capstone course (HCD 550).
Required Core (6 credit hours)
HCD 532 Health Care Management and Finance (3)
HCD 537 Comparative Heath Care Systems (3)

Track Courses (12 credit hours)

Electives (9 credit hours)

Research (2 credit hours)
HCD 592 Research (2)

Culminating Experience (1 credit hour)
HCD 550 Capstone (1)

Additional Curriculum Information
Coursework taken for this program is provided through ASU and the University of New South Wales; students should see the academic unit for guidance on enrollment in UNSW courses.

Students select from tracks in health economics, health informatics, hospital management, or quality improvement in health care. Courses may not count toward both the track and the elective areas. Students should see the academic unit for an approved list of track and elective courses.

The research requirement is taken in preparation for the capstone course. Students complete HCD 592 for one credit hour twice in consecutive terms prior to HCD 550.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or equivalent or master's degree from a regionally accredited college or university in a related field such as biology, chemistry, biochemistry, nursing, public health, pharmacy, biomedical informatics, social work, premed, prehealth, nutrition, health promotion or others.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Three letters of recommendation from either academic or professional sources are required; reference letters from friends and relatives are not accepted. Letters demonstrating involvement in health care, community service or leadership are encouraged.

A personal statement must be submitted that explains how the applicant plans to contribute to the health care system after the degree is obtained, how the program will help the applicant achieve their goals, what the applicant's career aspirations are, and what interested the applicant in this degree program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/international-health-management-mihm/) for program descriptions and to request more information.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents --- Arizona State University, King's College London and UNSW Sydney --- to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to engage with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaborative degree program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/global-learning-network-programmes (https://www.plusalliance.org/global-learning-network-programmes)

**Career Opportunities:** There is a significant growth market for graduates with skills in international health management given the aging populations and the need for a health care workforce competent in informatics, leadership and finance. Major sites of employment for graduates include hospital systems, nursing homes and similar facilities, and outpatient clinics.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHIHMIHM/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Medical Nutrition, MS (NHMNTRMS)

**Online Degree Search Title:** Medical Nutrition, MS
**Campus:** Online

**Program Description:** This MS program in medical nutrition is for current and future health care professionals, including gap-year students; those who have completed their bachelor's degree but have not yet secured admission to medical, veterinary, dental, osteopathic, physician assistant or similar schools; and for current medical students, residents, fellows and practitioners in the aforementioned fields who seek to develop a strong knowledge base in the nutritional sciences and its application in the health care field.

Graduate students in the medical nutrition program learn the role of nutrition in health maintenance, the treatment of disease and disease prevention. Coursework and culminating experiences provide an overview of the components of therapeutic diets and the role of qualified health care providers in diet prescription. Students also learn about nutrition guidelines and supplements as well as functional food usage for optimal health.

The program emphasizes self-directed learning with immersion in current nutrition research, and students develop foundational knowledge of nutritional assessment techniques used by health care providers in clinical practice. Proficiency in reading and interpreting nutrition research is

another key program goal, and ensures graduates are well versed in the importance of making recommendations grounded in evidence-based practice.

**Degree Requirements:**
30 credit hours including the required applied project course (NTR 593).
Required Core (21 credit hours)
NTR 502 Statistics in Research (3)
NTR 510 Food and Nutrition Across the Lifespan (3)
NTR 511 Medical Nutrition in the Care and Prevention of Disease (3)
NTR 524 Chronic Inflammation and Metabolic Syndrome: The Common Pathway for Cardiovascular Disease, Diabetes (3)
NTR 525 Complementary Nutrition (3)
NTR 533 Food Systems, Ethics and the American Diet (3)
NTR 535 Nutrigenomics (3)

Other Requirement (3 credit hours)
NTR 500 Research Methods (3)

Electives (3 credit hours)

Culminating Experience (3 credit hours)
NTR 593 Applied Project (3)

Additional Curriculum Information
Other requirement coursework may be substituted with the approval of the student's graduate committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. A previous bachelor's or master's degree in nutrition, public health, biology, chemistry or related field is preferred.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume or CV
- three letters of recommendation
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Prior to starting the program, applicants are expected to have completed a course in introductory nutrition (NTR 100 or NTR 241) or physiology (BIO 202).

The personal statement (one- to two-pages) should address the applicant's interest in the program, how the program will impact the applicant's professional goals, and describe the applicant's strengths and weaknesses that may influence their performance in the program.

The professional resume should be one- to two-pages and include relevant professional, educational, and personal experience.

Letters of recommendation should be from previous instructors or professors.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/medical-nutrition-ms/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Graduates will be able to create evidence-based nutrition plans to support patient care.
- •Graduates will be able to evaluate evidence to address a nutrition research question.

•Students will be able to compose written and oral presentations geared toward lay and professional audiences in the nutrition field.

**Career Opportunities:** Career opportunities include:

- dentist
- medical doctor
- nurse
- pharmacist
- physical therapist
- physician assistant

Graduates of this program can also serve in fields such as health care, education, state and national government, corporate enterprise and nonprofits.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHMNTRMS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Medical Nutrition (Certificate), Certificate (NHMNTRGRCT)

**Online Degree Search Title:** Medical Nutrition (Graduate Certificate)
**Campus:** Online

**Program Description:** This certificate program in medical nutrition allows working health care professionals to acquire practical nutrition knowledge that can be immediately implemented in practice. Students learn to to discuss diet therapies, supplement use and nutritional concepts with their patients and clients. Students also gain an in-depth knowledge of evidence-based nutrition research and the role of nutrition in managing chronic disease.

**Degree Requirements:**
15 credit hours.
Required Core (15 credit hours)
NTR 510 Food and Nutrition Across the Lifespan (3)
NTR 511 Medical Nutrition in the Care and Prevention of Disease (3)
NTR 524 Chronic Inflammation and Metabolic Syndrome: The Common Pathway for Cardiovascular Disease, Diabetes (3)
NTR 525 Complementary Nutrition (3)
NTR 535 Nutrigenomics (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in health, science or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/medical-nutrition-graduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** This program is designed for current practitioners or to supplement another field of study in health-related disciplines. Below are the career fields that may be interested in this program:

- chiropractors
- nurse practitioners
- physical therapists
- physician assistants
- physicians

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu
HLTHN 401AA
chsgrad@asu.edu
602-496-3300

## Nutritional Science, MS (ECHNUTMS)

**Online Degree Search Title:** Nutritional Science, MS
**Campus:** Downtown Phoenix

**Program Description:** Nutritional science marks the intersection of food, biology, chemistry, microbiology, sociology and more, centered on topics and challenges that affect everyday health and well-being.

The MS program in nutritional science prepares students to translate nutritional science into practical use for human health and wellness. Students immerse themselves in the latest nutrition topics and research partnered with accomplished faculty, developing practical understanding through internship experiences and their own guided research. Building on the scientific foundations of human nutrition, students learn strong writing and problem-solving skills, grow computer literacy, and increase interpretive expertise. Students are afforded nutrition research experiences grounded in the latest science that can match their own interests and goals.

Students who have completed an accredited Didactic Program in Dietetics may also elect to apply to the ASU dietetic internship program (https://chs.asu.edu/student-life/internships/dietetic-internship) in order to meet the requirements to become a registered dietitian nutritionist (https://chs.asu.edu/degree-programs/registered-dietitian).

A sports nutrition track provides an option for students to select specialized courses in sports nutrition and exercise science and obtain hands-on training and research with sports dietitians and nutrition faculty who are experts in the field. Students in this track complete the same core nutrition graduate courses but take track-specific classes and electives that focus on sports nutrition, hydration, exercise physiology and other vital parts of the discipline. The culminating experience research is under the guidance of sports nutrition professors in the College of Health Solutions.

The maternal-child health track provides an option for students to select specialized courses in maternal-child health and obtain hands-on training with the nutrition and other faculty who work on nutrition-related health behaviors and outcomes across campus. Students in this track will complete the same core nutrition graduate courses but will take track courses and electives that focus on maternal-child health competencies, including policy and advocacy, leadership development, communication and ethics. They will complete their required research under the guidance of one of several faculty conducting nutrition-related maternal and child health research. Competitive funding may be available through the TRANSCEND program for students in the maternal-child health track: https://transcendprogram.weebly.com/ (https://transcendprogram.weebly.com/)

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Dietetics, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours and a thesis - Maternal Child Health Track, or 30 credit hours and a thesis - Sports Nutrition Track, or 30 credit hours including the required applied project course (NTR 593).
Required Core (3 credit hours)
EXW 501 Research Statistics (3) or
NTR 502 Statistics in Research (3)

Restricted Electives (9 or 12 credit hours)

Open Electives or Required Track Courses (6 or 9 credit hours)

Research (3 credit hours)
NTR 500 Research Methods (3)

Culminating Experience (6 credit hours)
NTR 593 Applied Project (6) or
NTR 599 Thesis (6)

Additional Curriculum Information
Tracks in sports nutrition and maternal child health are available. Students should contact the academic unit for more information on track requirements and a list of approved elective courses.

This degree program may be pursued concurrently with the Arizona State University Dietetic Internship (https://chs.asu.edu/student-life/internships/dietetic-internship) (MS-DI or MS-VA). Students must apply and be accepted to both the MS degree and the internship program. Students who pursue the Veterans Affairs (MS-VA) dietetic internship are not eligible to pursue a track within the degree, but may work with program faculty to tailor electives to their interests and career goals.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree (nutrition or science is recommended) from a regionally accredited institution. Students who are pursuing the Master of Science in nutritional science need to complete the following prerequisites: anatomy and physiology, biochemistry, general chemistry with lab, general nutrition for majors, microbiology, organic chemistry with lab, and statistics.

These courses are part of the ASU didactic program in dietetics required for ASU's BS degree in dietetics and to be eligible to apply for admission into an accredited dietetic internship to become a registered dietitian. If an applicant has completed a didactic program in dietetics from another university, these prerequisites are considered complete. Prerequisite courses can be in progress when the student submits the application; however, if the student is accepted into the Master of Science degree program, all prerequisites must be completed before the program begins in the fall semester.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A" in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should summarize the academic, research, volunteer and employment experiences of the applicant.

The personal statement should include the following:
- a description of the applicant's significant professional responsibilities
- the applicant's professional goals and the reasons for their desire to enroll in ASU's program
- the applicant's strengths that will allow the applicant success in the program and in reaching professional goals
- the applicant's personal research interests, described as specifically as possible and including any previous research experience, along with indication of any interest in being considered for the optional track in sports nutrition or maternal child health

Three letters of recommendation are required, including at least one from an instructor at the applicant's undergraduate school.

An interview is required. Finalists will be invited to interview by the program.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Integrate knowledge of research design that incorporates ethical conduct in nutrition research studies.

•Apply statistical methodology in nutrition research.
•Interpret an emerging issue as it relates to advanced practice nutrition science.

**Career Opportunities:** Nutritional science applies the principles of food and nutrition to health. It's a vital, growing profession with many career possibilities. In this field, graduates share their knowledge of food and nutrition to help people make healthful food choices. Graduates have gone on to become registered dietitian nutritionists, to pursue doctorates, or to apply to medical and professional school to become medical doctors, physician assistants, pharmacists and dentists, as well as others in the medical professions.

Settings in which food and nutrition careers can be found include:

- community and public health organizations
- corporations
- food manufacturing industries
- government agencies
- hospitals and other medical facilities
- long-term care facilities
- nonprofit organizations
- schools

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/ECHNUTMS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Nutritional Science (Dietetics), MS (ECNTRDMS)

**Online Degree Search Title:** Nutritional Science (Dietetics), MS
**Campus:** Online

**Program Description:** The MS program in nutritional science with a concentration in dietetics is a nonthesis option for registered dietitian nutritionists and those with a verification statement from a didactic program in dietetics who are seeking to continue their education and advance their skills as practitioners.

The program emphasizes the scientific foundations of nutrition and prepares students to have interpretive expertise, problem-solving skills, strong writing skills and computer literacy.

Designed with working professionals and students' learning preferences in mind, the program is completely online and can be completed either full time or part time. It is an ideal option for busy schedules with multiple start dates each year and course lengths of 7.5 weeks. Up to 12 credit hours can be transferred from another accredited program with the approval of the program director.

**Degree Requirements:**
30 credit hours including the required applied project course (NTR 593).
Required Core (3 credit hours)
EXW 501 Research Statistics (3) or
NTR 502 Statistics in Research (3)

Concentration (9 credit hours)
NTR 501 Research Methods in Nutrition (3)
NTR 503 Designing Health Behavior Change Interventions (3)
NTR 519 Nutrition Therapies for Eating Disorders and Addictions (3)
NTR 520 Nutrition-Focused Physical Assessment (3)
NTR 524 Chronic Inflammation and Metabolic Syndrome: The Common Pathway for Cardiovascular Disease, Diabetes (3)
NTR 525 Complementary Nutrition (3)
NTR 529 Pediatric Nutrition (3)
NTR 533 Food Systems, Ethics and the American Diet (3)
NTR 535 Nutrigenomics (3)
NTR 537 Evidence-based Nutrition (3)

NTR 551 Geriatric Nutrition (3)
NTR 555 Nutrition and the Athlete (3)
NTR 598 Special Topics (3)

Research (3 credit hours)
NTR 500 Research Methods (3)

Open Electives (9 credit hours)

Culminating Experience (6 credit hours)
NTR 593 Applied Project (6)

Additional Curriculum Information
Students may take three additional courses from the concentration area to fulfill the open electives requirement. Other graduate courses may be applied toward open electives with program approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants must be either a Registered Dietitian Nutritionist (RDN) or have completed a Didactic Program in Dietetics (DPD)-accredited program, and will provide either a copy of the RDN credential or the DPD Verification Statement with their application.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of Registered Dietitian status or DPD verification statement
- resume
- personal statement
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants with RDN certification need to submit proof of registered dietitian status by accessing the Commission on Dietetic Registration's website (https://www.cdrnet.org (https://www.cdrnet.org)) and complete the verification process using the online credential verification search. Applicants who completed a Didactic Program in a Dietetics-accredited program need to provide a DPD Verification Statement with their application.

A personal statement of one or two pages (typed, double-spaced) is required and must address the following:

- significant professional responsibilities the applicant has held
- professional goals and reasons for desiring to enroll in this program
- strengths that will help the applicant succeed in this program and in reaching their professional goals
- personal interests in research, including, if applicable, studies involving the practice of dietetics.

Two letters of recommendation are to be submitted with the application, including at least one from an employer or work supervisor.

The resume should summarize the applicant's academic, volunteer and employment experiences.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-nutritional-science-dietetics/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will be able to evaluate scientific research using appropriate design and ethical principles.
- Graduates will be able to create public health recommendations on health and disease for populations and individuals, using evidence-based nutrition research.
- Graduates will be able to analyze data using statistical software to test a research hypothesis.

**Career Opportunities:** Nutritional science is a vital, growing profession with many career possibilities. In this field, graduates share their knowledge of food and nutrition to help people make healthful food choices.

Settings in which food and nutrition careers can be found include:

- community and public health organizations
- corporations
- food manufacturing industries
- government agencies
- hospitals and other medical facilities
- long-term care facilities
- nonprofit organizations
- schools

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/ECNTRDMS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Obesity Prevention and Management, MS (NHOBSMS)

**Online Degree Search Title:** Obesity Prevention and Management, MS
**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The MS in obesity prevention and management is an innovative degree program that draws on a wide array of expertise at ASU. The curriculum is designed to integrate perspectives from the social, applied, life and health sciences and provides advanced, graduate-level, problem-focused, experiential training that is grounded in evidence and best practices for effective prevention and management of obesity.

This degree program is geared toward postbaccalaureate students and professionals who wish to advance their understanding of the social, cultural, environmental, health and psychological issues associated with obesity. The program emphasizes the complex etiology of obesity and includes courses that will enhance students' ability to work with individuals and populations at risk of obesity to develop effective strategies for prevention and management of the condition across the lifespan.

**Degree Requirements:**
30 credit hours including a thesis, or 30 credit hours including the required applied project course (OBS 593).
Required Core (3 credit hours)
OBS 501 Obesity Prevention and Management: An Introduction (3)

Electives (21 credit hours)

Culminating Experience (6 credit hours)
OBS 593 Applied Project (6) or
OBS 599 Thesis (6)

Additional Curriculum Information
Students choose one three-credit hour elective course from each of the following categories: concepts in behavior change, research methods and statistics.

Additional elective course selections depends upon the student's chosen track. Students select six credit hours from prescribed categories for each track and six credits from the following categories: cultural aspects of behavior change, general track, public health approaches for behavior change, and technological approaches for behavior change.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's (or equivalent) or master's degree in social or health science-related fields from a regionally accredited institution. The following entry-level competencies are needed for admission to the program: Students should have completed undergraduate-level coursework in statistics and psychology and, ideally, have completed one or more courses in nutrition, physiology and chemistry.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit

- graduate admission application and application fee
- official transcripts
- GRE scores (verbal, quantitative and analytical)
- statement of educational and career goals
- writing sample
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students who have an undergraduate GPA of 3.25 or higher in the last 60 hours of their undergrad program may have the GRE requirement waived with approval of the academic unit.

Foreign language examinations are not required for admittance to the program.

The required writing sample must be a two- to three-page application letter in which the applicant explains why they want to pursue this degree and why they feel well prepared to succeed in this graduate program.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Physical Activity and Health, MS (ECEXERMS)

**Online Degree Search Title:** Physical Activity and Health, MS
**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program. Interested students should apply to the Strength and Conditioning MS (https://degrees.apps.asu.edu/masters-phd/major/ASU00/NHSTRCDMS/strength-and-conditioning-ms) program.
**Program Description:** The MS program in physical activity and health offers an opportunity for advanced training in exercise science, physical activity and aging, or physical activity and health promotion alongside faculty who are immersed in the latest research.

This program prepares students to translate and apply evidence-based exercise science, fitness and lifestyle behavior change approaches to improve health and well-being and prevent chronic disease across the lifespan.

Students in the program develop competencies in research design, statistical methods and the ethical conduct of research studies. They have the opportunity to conduct a mentored research project as part of a thesis, if desired. They also learn to apply theoretical models of behavior change for the development and implementation of interventions to facilitate the adoption and maintenance of physical activity and other health and wellness behaviors. Students develop and demonstrate their knowledge of the causes, risks factors and impact of exercise, physical activity and fitness on cardiovascular disease, Type 2 diabetes, metabolic syndrome, cancer, musculoskeletal health and functional fitness through a critical examination of epidemiological research and exercise intervention studies.

The skills and knowledge acquired during the course of training enables each student to develop professional competencies that can be applied to significant problems and issues within the fields of exercise science and health promotion.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Clinical Exercise Science, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
32 credit hours and a thesis, or 32 credit hours and a written comprehensive exam, or 32 credit hours including the required applied project course (EXW 593).
Required Core (9 credit hours)

EXW 501 Research Statistics (3)
EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)
EXW 542 Health Promotion (3)

Research (5 credit hours)
EXW 500 Research Methods (3)
EXW 591 Exercise and Wellness Seminar (2)

Focus Area (12 credit hours)

Electives (0 or 6 credit hours)

Culminating Experience (0 or 6 credit hours)
EXW 599 Thesis (6) or
EXW 593 Applied Project (6) or
written comprehensive exam (0)

Additional Curriculum Information
Students choose one of three focus areas: exercise science, exercise and aging, or physical activity and health promotion. Students should contact the academic unit for a list of approved focus area courses.

The program permits students to select from a thesis, applied project, or written comprehensive examination for the culminating experience. A thesis involves conducting research that is guided by a recognized research paradigm (e.g., scientific, interpretive) and producing a scholarly report of the process and results, making it a good option for students who are interested in pursuing more advanced graduate study. An applied project or written comprehensive examination are options for students who seek to continue their education, advance their skill level as practitioners or advance their current careers. Students who choose the written comprehensive exam must complete an additional six credit hours of coursework, to be selected with program approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Students are expected to have the coursework and undergraduate credit for the basic courses required for a BS degree in exercise and wellness. Students who do not have these course competencies can be admitted with deficiencies. Deficiencies are determined upon admission, and these courses must be completed, usually by the end of the first year of study. These courses are not considered part of the graduate plan of study. A graduate course may be substituted for a deficiency but will be evaluated on a case-by-case basis.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- statement of career or research interests
- three professional letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must submit proof of English proficiency regardless of their current residency.

Applicants must have the following competencies complete prior to starting the program:

- Human Anatomy and Physiology with Laboratories (BIO 201 and BIO 202)
- Human Nutrition (NTR 241)
- Exercise Physiology with Laboratory (SSP 315 and SSP 316)
- Exercise Testing and Laboratory (EXW 420)
- Statistics (HCD 300, STP 226, or PSY 230)

The letter of intent should address the applicant's area of professional or scholarly interest, their professional goals, and relevant experience, background, and training.

Academic references are preferred for the letters of recommendation.

**Career Opportunities:** Professionals with expertise in exercise science and chronic disease prevention, physical activity and health promotion,

wellness, or exercise across the lifespan are in demand across sectors and industries including commercial fitness and wellness centers, health care systems, corporate fitness and wellness programs, research settings and public health.

Career examples include:

- corporate fitness coordinator or director
- exercise physiologist
- fitness and wellness coordinator
- fitness trainer or aerobics instructor
- health promotion specialist or health educator
- personal trainer
- research coordinator

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/ECEXERMS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Population Health, MS (NHPOPHLMS)

**Online Degree Search Title:** Population Health, MS
**Campus:** Downtown Phoenix

**Program Description:** The MS program in population health brings together multiple disciplines to prepare students to understand the complex factors that affect the health and well-being of populations. The program addresses the interaction between health systems and other sectors of society, including the private sector; government, nonprofit and nongovernmental organizations; media; and academia to affect population health outcomes. The program includes a strong repertoire of systems science, quantitative and qualitative research methods, epidemiology and biostatistics, and ethics courses together with applied experience.

**Degree Requirements:**
36 credit hours and a thesis, or 36 credit hours including the required applied project course (POP 593).
Required Core (21 credit hours)
BMI 515 Applied Biostatistics in Medicine and Informatics (3)
BMI 517 Advanced Biostatistics for Biomedical Research and Health Care (3)
HCD 520 Population Health (3)
POP 575 Social Determinants of Population Health (3)
POP 605 Population Health Systems Science and Theory (3)
POP 633 Population Health Ethics (3)
POP 644 Epidemiology in Population Health (3)

Research (3 credit hours)
POP 641 Qualitative Research Methods (3)

Electives (3 or 6 credit hours)

Other Requirement (3 credit hours)
POP 680 Practicum (3)

Culminating Experience (3 or 6 credit hours)
POP 593 Applied Project (3) or
POP 599 Thesis (6)

Additional Curriculum Information
This program has a thesis option or a nonthesis option. Students selecting the thesis option enroll in POP 599 for six credit hours and complete three credit hours of electives from an approved list of courses. Students in the nonthesis option take the POP 593 Applied Project course for three credit hours and complete six credit hours of electives. Electives should be selected in consultation with program advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a relevant health or related field from a regionally accredited college or university.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- letter of intent
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Prior to starting the program, applicants are expected to have completed a statistics course (e.g. HCD 300, STP 226 or PSY 230).

**Career Opportunities:** The Master of Science program in population health prepares graduates for careers in county and state health departments and in national governmental health organizations such as the Centers for Disease Control and Prevention, Substance Abuse and Mental Health Services Administration, Health Resource and Services Administration and the US Public Health Service. They may also work in nonprofits, such as The Prevention Institute, or for nongovernmental organizations such as the American Diabetes Association, the American Lung Association and others. In these roles, graduates would be especially well-suited to conduct assessments and data-driven analyses to contribute to policy-making or strategic planning affecting entire populations. Potential positions include:

- director of population health
- lead population health analyst, including informatics or data analysis
- lecturer in schools of population health
- manager: wellness strategy, communications and integration
- population, public, environmental or behavioral health program director, manager, coordinator or specialist
- public health initiatives coordinator

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Graduates from this program are eligible to sit for the Certified in Public Health exam upon graduation and three years of relevant work experience. More information on the credential is available on the National Board of Public Health website: https://www.nbphe.org/eligibility/.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/programs/graduate
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Population Health, PHD (NHPOPHLPHD)

**Online Degree Search Title:** Population Health, PhD
**Campus:** Downtown Phoenix

**Program Description:** The PhD program in population health brings together multiple disciplines, illustrating the complex factors that affect the health and well-being of populations. The program addresses the interaction between health systems and other sectors of society, including the private sector, government, nonprofit, nongovernmental organizations, media and academia to affect the health outcomes of entire populations.

Required courses reinforce a strong repertoire of systems science, quantitative and qualitative research methods, epidemiology and biostatistics, and ethics. The practicum offers an applied experience, and the dissertation requires novel research on population health.

Students personalize their program of study by completing courses from one of four tracks: health equity, complex adaptive systems, urban environments for health, or dissemination and implementation science.

The health equity track trains doctoral students to conduct empathetic research, incorporating the lived experience of populations vulnerable for health disparities into applied research. Students use an asset-based approach to collaborate with populations to improve health outcomes to address social determinants of health.

In the complex adaptive systems track, students learn about theory, principles, models and techniques used to analyze complex systems and data

as applied to population health.

Exacerbated by population growth and climate change, city-dwelling populations are experiencing health challenges such as new and re-emerging infectious diseases, noncommunicable diseases, unhealthy diets, physical inactivity, obesity, poor water quality and injuries from road trauma. The urban environments for health track prepares students to meet those challenges from an evidence-based and transdisciplinary environmental perspective.

Conventional health research is not designed with implementation in mind. Researchers and practitioners often do not have the skills necessary to effectively promote organizational change and transformation in health and healthcare settings. The dissemination and implementation science track trains students to identify, translate and implement research that will enable rapid dissemination of evidence.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation, or 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation - Complex Adaptive Systems Track, or 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation - Dissemination and Implementation Science Track, or 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation - Health Equity Track, or 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation - Urban Environments for Health Track.
Required Core (15 credit hours)
BMI 515 Applied Biostatistics in Medicine and Informatics (3)
EXW 645 Advanced Applied Methods and Data Analysis (3)
POP 605 Population Health Systems Science and Theory (3)
POP 633 Population Health Ethics (3)
POP 641 Qualitative Research Methods (3)

Track (15 credit hours)

Electives (30 credit hours)

Research (6 credit hours)
EXW 700 Research Methods (3)
EXW 701 Advanced Research Methods (3)

Other Requirement (6 credit hours)
POP 591 Seminar: Evaluating the Population Health Literature (3)
POP 780 Population Health Practicum (3)

Culminating Experience (12 credit hours)
POP 799 Dissertation (12)

Additional Curriculum Information
Students select from tracks in complex adaptive systems, dissemination and implementation science, health equity, or urban environments for health.

Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the total credit hours, with program approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or a master's degree in any field from a regionally accredited institution. Preference is given to applicants who completed a data-based research thesis during their master's degree program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- professional resume
- writing sample (six to 10 pages)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement should indicate research or scholarly interest, primary program area, statement of career goals and the name of a potential faculty mentor from the list of approved faculty mentors.

All applicants must have completed an undergraduate or graduate-level course on epidemiology (e.g., EXW 642, HEP 444, or NTR 557) and a graduate-level research statistics course (e.g., EXW 501 or NTR 502).

It is expected that students admitted to the program have documented academic training and a strong interest in public health, health care or population health. Thus, depending on the student's academic training, background, scholarly interests and focus area, a student may be asked to take course deficiencies prior to or concurrently with graduate course enrollment.

An oral interview with program faculty is required prior to acceptance; the interview may be in person or by videoconference.

**Career Opportunities:** Students are strongly encouraged to pursue postdoctoral research opportunities upon graduation.

Graduates of this interdisciplinary program are prepared to become:

- executives or analysts in the private industry such as medical device, biotechnology, health IT startups, health insurance or health care delivery organizations
- faculty at research-intensive universities in schools of population health, public health, medicine or health sciences
- leaders and directors of health in local, state and federal government agencies
- program directors and officers for global health organizations such as World Health Organization or the World Bank
- program directors and officers of local and national non-governmental foundations such as the American Cancer Society or American Diabetes Association
- research or policy analysts at federal health agencies such as the National Institutes of Health or Centers for Disease Control and Prevention.

Career examples include:

- entrepreneur
- epidemiologist
- global health professional
- health information manager or director
- health scientist
- population health analyst or manager
- postsecondary public health teacher
- professor
- public health consultant or policy advisor
- research scientist

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHPOPHLPHD/graduate/false/91415
HLTHN 401
chsgrad@asu.edu
602-496-3300

## Science of Health Care Delivery, MS (NHSHCDMS)

**Online Degree Search Title:** Science of Health Care Delivery, MS
**Campus:** Downtown Phoenix, Online
ASU is not currently accepting applications for this program at the Downtown Phoenix campus. Interested students are encouraged to apply to the online modality.
**Program Description:** The MS program in science of health care delivery focuses on the study and design of systems, processes, leadership and management approaches used to optimize health care delivery and health outcomes for all. This degree program is for individuals interested in a career in the health care industry, particularly leadership, management and administration. It provides students with the knowledge and competencies to become health care systems thinkers and the critical skills needed for contributing to a patient-centered, high-value, team-based and cost-effective health care system.

The curriculum is centered on achieving high-value care through leadership, population health, informatics, systems engineering, health care management, health economics, equity, bioethics and policy. Students can also learn performance improvement skills, including Lean Six Sigma principles, and apply them to health care delivery issues. Students can then focus their studies in one of three areas: health systems administration and management; health care quality and safety; or health policy, equity and ethics.

The program challenges students to work on innovative solutions to improve the U.S. health care system by simultaneously improving the health of populations, enhancing the patient experience and reducing per capita cost of care. Students apply concepts through case studies and team-based projects to facilitate integration of knowledge and competencies. Participating students work in a cohort through the program and are able to complete the degree in nine months (one academic year). Students are also paired with leading health care delivery organizations and leaders to complete an applied capstone project during the program.

**Degree Requirements:**
30 credit hours including the required capstone course (HCD 550).
Required Core (18 credit hours)
HCD 501 Biostatistics and Data Management (3)
HCD 502 Health Care Systems and Design (3)
HCD 511 Health Economics, Policy, and Payment Models (3)
HCD 520 Population Health (3)
HCD 532 Health Care Management and Finance (3)
HCD 602 Health Informatics for Health Care Professionals (3)

Focus Area Courses (9 credit hours)

Research (2 credit hours)
HCD 592 Research: Part One (1)
HCD 592 Research: Part Two (1)

Culminating Experience (1 credit hour)
HCD 550 Capstone (1)

Additional Curriculum Information
Students are encouraged to choose one of three focus areas: health systems administration and management, health care quality and safety, or health policy, equity and ethics. Students should contact the academic unit regarding course selection for the focus area.

The research requirement is taken in preparation for the capstone course. Students complete HCD 592 for one credit hour twice in consecutive terms prior to HCD 550.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as biology, chemistry, biochemistry, nursing, public health, pharmacy, biomedical informatics, social work, premed, prehealth, nutrition, health promotion or others.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of reference
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Three letters of reference from either academic or professional sources are required; reference letters from friends or relatives are not accepted. Letters demonstrating involvement in health care, community service or leadership are encouraged.

A personal statement must be submitted that explains how the applicant plans to contribute to the health care system after the degree is obtained, how the program will help the applicant achieve the applicant's goals, what the applicant's career aspirations are, and what interested the applicant in this degree program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-science-health-care-delivery/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with knowledge about innovations and improvements for health care delivery are in demand across the health

care industry. The flexible program is also ideal for gap-year students who are pursuing entrance to medical and professional school prior to intended careers in health and health care.

Career examples for program graduates include:

- health care providers
- hospital administrators
- policy experts
- program managers

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHSHCDMS/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Science of Health Care Delivery (Certificate), Certificate (NHHCDGRCT)

**Online Degree Search Title:** Science of Health Care Delivery (Graduate Certificate)
**Campus:** Online

**Program Description:** The online, self-paced certificate program in science of health care delivery provides students a foundation in the functions and features of health care systems, enabling them to address the current and future needs of the workforce in the health care industry.

Students can choose from multiple start dates and three tracks: leadership, quality and process improvement, and clinical informatics.

All 15 credit hours of the graduate certificate program may be applied to the MS in science of health care delivery program for students interested in furthering their knowledge of this field.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
HCD 502 Health Care Systems and Design (3)
HCD 511 Health Economics, Policy and Payment Models (3)
HCD 520 Population Health (3)

Track (6 credit hours)

Additional Curriculum Information
Students select one of the following tracks: quality and process improvement, clinical informatics, and leadership.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The following disciplines are preferred: business or law (health care and business administration, economics, finance or law), engineering (biomedical engineering), general science (biology or physiology), health-related field (nursing, health policy or public health), or math or computer science (statistics or computer science).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- evidence of work experience
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

More than two years of work experience in a health-related field is preferred.

Applicants must have basic competencies in college-level math (e.g. MAT 117), general biology or physiology (e.g. BIO 181 and BIO 182), and statistics (e.g. HCD 300 or STP 226).

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-science-health-care-delivery/) for program descriptions and to request more information.

**Career Opportunities:** This innovative certificate program teaches skills and knowledge relevant for C-suite executives and administrators, health care providers (physicians, physician assistants, nurse practitioners and nurses), front line staff (respiratory therapists, occupational therapists, physical therapists and dietitians) and students in health-related disciplines.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHHCDGRCT/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Speech and Hearing Science, PHD (LAHEARPHD)

**Online Degree Search Title:** Speech and Hearing Science, PhD
**Campus:** Tempe

**Program Description:** The interdisciplinary PhD program in speech and hearing science trains scholars in basic and applied research in the fields of speech, language, literacy and hearing sciences. Students develop a strong foundation from which to conduct impactful research in preparation for careers in academia, industry or health care environments.

Students pursue an individualized program with the unifying theme of human communication and disorders. Courses tailored to students' specific interests are taken from a variety of disciplines. In addition to a self-designed program of study, concentrations are offered in auditory and language neuroscience and in translational genetics of communication abilities.

This program's expert faculty are in a unique position to provide this integrated training experience because of the program's focus on innovative approaches to the field of speech, language and hearing science. Faculty members' backgrounds include education, psychology, engineering, neuroscience and health care in addition to expertise in speech-language pathology and auditory neural prosthetics.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (2 credit hours)
SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)
SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Focused Electives (12 credit hours)

Research (21 credit hours)
SHS 792 Research (12)
research methods and statistics (9)

Electives or Additional Research (28 credit hours)

Other Requirements (9 credit hours)
professional seminars (9)
preliminary exam (0)
comprehensive exams (0)

Culminating Experience (12 credit hours)
SHS 799 Dissertation (12)

Additional Curriculum Information
Students entering the doctoral program with a master's degree in a related discipline may count up to 28 credit hours from the master's degree toward the total credit hours, with program approval.

Under guidance of a faculty mentor and supervisory committee, students complete 12 credit hours of restricted elective content area coursework within speech and hearing science and other disciplines that can be tailored to the student's research interests. Students must fulfill teaching, grant writing, and career development competencies through the professional seminars requirement.

The preliminary exam research project, completed during the first three semesters of the program, provides students with a jumpstart into research, preparing the student for their subsequent dissertation.

Prior to commencing dissertation research, the student must pass written and oral comprehensive examinations covering their field of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics, or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of undergraduate and graduate study
- application cover letter and personal statement
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Professional letters of recommendation should be from three individuals who can speak to one or more of the following: academic performance, clinical performance or potential to succeed in a research-intensive doctoral program. The recommenders are typically faculty, clinical or research supervisors. If the applicant has spent some time away from research or academia, it is still recommended to have some letters from those experiences, in addition to a more recent clinical or research supervisor.

In addition to uploading a letter of recommendation, recommenders are asked to rate the applicant on the following:

- academic performance
- analytical skills
- creativity and originality
- emotional maturity
- honesty and integrity
- intellectual potential
- mathematical and statistical skills
- motivation to complete a PhD
- oral communication skills
- promise as a researcher in the discipline
- working with others
- written communication skills.

Recommenders also are asked to respond to the following short answer questions or prompts:

- What is the context in which you have known the applicant?
- Describe instances where you have seen this person go above and beyond.
- Do you have any reservations about this applicant? If yes, what are they?
- Describe an instance where you have seen the applicant demonstrate technical, analytical or problem-solving skills.
- Would you admit this applicant to our PhD program? Why or why not?
- Please provide any additional comments regarding the applicant's potential.

The personal statement, typically one or two double-spaced pages, should address the student's motivation to pursue a PhD with a specific faculty mentor in the program and include evidence of potential to succeed in a research-intensive doctoral program and goals for the future. Examples of evidence of potential to succeed include technical skills, clinical experiences, and research achievements and interests.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Upon graduation from the Doctorate of Philosophy in speech and hearing science, students will be able to develop curriculum and instruct in key knowledge areas in their particular area of expertise within speech and hearing science.

•Students completing the Doctor of Philosophy in speech and hearing science will engage with scholars in academic and professional settings.

•Students completing the Doctor of Philosophy in speech and hearing science will master the key concepts related to research in the field at an advanced level.

**Career Opportunities:** Doctoral-level scientists in the field of speech and hearing science are well situated to pursue positions in which they can lead independent research programs, such as a university professor or research scientist in the private or public sectors. There is a particular need for doctorate-level scientists with speech-language pathology or audiology backgrounds in tenure-track academic positions.

Career examples include:

- lecturer
- professor
- program officer at a nonprofit or government agency
- research analyst
- research scientist

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/LAHEARPHD/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Speech and Hearing Science (Auditory and Language Neuroscience), PHD (NHSHSALPHD)

**Online Degree Search Title:** Speech and Hearing Science (Auditory and Language Neuroscience), PhD
**Campus:** Tempe

**Program Description:** The auditory and language neuroscience concentration within the PhD program in speech and hearing science trains scholars in basic and applied research in the fields of auditory and language neuroscience. Students develop a strong foundation from which to conduct impactful neuroscience research related to healthy auditory and language abilities as well as the neural bases of communication disorders.

This program's expert faculty are in a unique position to provide this integrated training experience because of the program's focus on innovative approaches to the field of speech, language and hearing science. Faculty backgrounds include engineering, neuroscience and psychology in addition to expertise in speech-language pathology and auditory neural prosthetics.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (2 credit hours)
SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)
SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Concentration (12 credit hours)

Research (21 credit hours)
SHS 792 Research (12)
research methods and statistics (9)

Electives or Additional Research (28 credit hours)

Other Requirements (9 credit hours)
professional seminars (9)
preliminary exam (0)
comprehensive exams (0)

Culminating Experience (12 credit hours)
SHS 799 Dissertation (12)

Additional Curriculum Information

Students entering the doctoral program with a master's degree in a related discipline may count up to 28 credit hours from the master's degree toward the total credit hours, with program approval.

Concentration courses focus on issues related to auditory and language neuroscience and is selected in collaboration with faculty. Students must fulfill teaching, grant writing, and career development competencies through the professional seminars.

The preliminary exam research project must be within the field of auditory or language neuroscience. This formal research experience during the first three semesters of the program provides students with a jumpstart into research, preparing the student for their subsequent dissertation research.

Prior to commencing dissertation research, the student must pass written and oral comprehensive examinations covering their field of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics, or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate study
- application cover letter and personal statement
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Professional letters of recommendation should be from three individuals who can speak to one or more of the following: academic performance, clinical performance, or potential to succeed in a research-intensive doctoral program. The letter writers are typically faculty and clinical and research supervisors. If the applicant has spent some time away from research or academia, it is still the recommendation to have some letters from those experiences, in addition to a more recent clinical or research supervisor.

In addition to uploading a letter of recommendation, letter writers are asked to rate the applicant on the following:

- academic performance
- analytical skills
- creativity and originality
- emotional maturity
- honesty and integrity
- intellectual potential
- mathematical and statistical skills
- motivation to complete a doctorate
- oral communication skills
- promise as a researcher in the discipline
- working with others
- written communication skills

Letter writers also are asked to respond to the following short answer questions or prompts:

- What is the context in which you have known the applicant?
- Describe instances where you have seen this person go above and beyond.
- Do you have any reservations about this applicant? If yes, what are they?
- Describe an instance where you have seen the applicant demonstrate technical, analytical or problem-solving skills.
- Would you admit this applicant to our PhD program? Why or why not?
- Please provide any additional comments regarding the applicant's potential.

The personal statement, typically one or two double-spaced pages, should address the student's motivation to pursue the PhD with a specific faculty mentor in the program and include evidence of potential to succeed in a research-intensive doctoral program and goals for the future. Examples of evidence of potential to succeed include technical skills, clinical experiences, and research achievements and interests.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Students completing the Doctor of Philosophy in speech and hearing science with a concentration in auditory and language neuroscience will be able to develop curriculum and instruct in key knowledge areas within the fields of auditory and language neuroscience.

•Students completing the Doctor of Philosophy in speech and hearing science with a concentration in auditory and language neuroscience will engage with scholars in academic and professional settings.

•Students completing the Doctor of Philosophy in speech and hearing science with a concentration in auditory and language neuroscience will master the key concepts related to research in the field at an advanced level.

**Career Opportunities:** Doctoral-level scientists in the field of speech and hearing science are well situated to pursue positions in which they can lead independent research programs, such as a university professor or research scientist in the private or public sectors. There is a particular need for doctorate prepared individuals with speech-language pathology or audiology backgrounds in tenure-track academic positions.

Career examples include:

- lecturer
- professor
- program officer in a nonprofit or government agency
- research analyst
- research scientist

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHSHSALPHD/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Speech and Hearing Science (Translational Genetics of Communication Abilities), PHD (NHSHSTGPHD)

**Online Degree Search Title:** Speech and Hearing Science (Translational Genetics of Communication Abilities), PhD
**Campus:** Tempe

**Program Description:** The translational genetics of communication abilities concentration within the PhD program in speech and hearing science provides doctoral students with training in an innovative approach to the clinical sciences, pioneered at ASU, in which the concepts of precision medicine are applied to all disciplines within communication sciences and disorders. Training in molecular genetics and bioinformatics equips students to investigate the interactions among genetic, brain-based and behavioral traits. Prior training in genetics is not required.

Knowledge of genotype-phenotype associations provides the foundation for the translational components of this program: early identification and intervention, individualized management, and interprofessional approaches. Students have the option of focusing primarily on basic sciences aspects, on clinical translations, or both.

This program leverages strong research and clinical expertise at ASU's College of Health Solutions across clinical linguistics and its expertise in the biosciences and translational clinical sciences. Collaborating units at ASU include the Biodesign Institute, the School of Life Sciences, and the College of Health Solutions as well as many subspecialty areas, such as bioinformatics and psychology.

Upon completion of this doctoral concentration, graduates have the skills to discover and understand networks of genotype-phenotype associations and to contribute to more effective clinical management of communication disorders using preventative, targeted and interprofessional methods.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (2 credit hours)
SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)
SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Concentration (12 credit hours)

Research (21 credit hours)
SHS 792 Research (12)

research methods and statistics (9)

Electives or Additional Research (28 credit hours)

Other Requirements (9 credit hours)
professional seminars (9)
preliminary exam (0)
comprehensive exams (0)

Culminating Experience (12 credit hours)
SHS 799 Dissertation (12)

Additional Curriculum Information
Students entering the doctoral program with a master's degree in a related discipline may count up to 28 credit hours from the master's degree toward the total credit hours, with program approval.

Concentration coursework focuses on issues related to translational genetics and is selected in collaboration with faculty. All doctoral graduates with this concentration are required to have foundational knowledge in genetics. Students must fulfill teaching, grant writing, and career development competencies through the professional seminars requirement.

The preliminary exam research project is to be within the field of translational genetics of communication abilities. This formal research experience during the first three semesters of the program provides students with a jumpstart into research, preparing the student for their subsequent dissertation.

Prior to commencing dissertation research, the student must pass written and oral comprehensive examinations covering their field of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- application cover letter and personal statement
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Professional letters of recommendation should be from three individuals who can speak to one or more of the following: academic performance, clinical performance, or potential to succeed in a research-intensive doctoral program. The letter writers are typically faculty, clinical or research supervisors. If the applicant has spent some time away from research or academia, it is still recommended to have some letters from those experiences, in addition to a more recent clinical or research supervisor.

In addition to uploading a letter of recommendation, letter writers are asked to rate the applicant on the following:

- academic performance
- analytical skills
- creativity and originality
- emotional maturity
- honesty and integrity
- intellectual potential
- mathematical and statistical skills
- motivation to complete a doctorate
- oral communication skills
- promise as a researcher in the discipline
- working with others

- written communication skills.

Letter writers also are asked to respond to the following short answer questions or prompts:

- What is the context in which you have known the applicant?
- Describe instances where you have seen this person go above and beyond.
- Do you have any reservations about this applicant? If yes, what are they?
- Describe an instance where you have seen the applicant demonstrate technical, analytical or problem-solving skills.
- Would you admit this applicant to our PhD program? Why or why not?
- Please provide any additional comments regarding the applicant's potential.

The personal statement, typically one or two double-spaced pages, should include motivation to pursue a PhD with a specific faculty mentor in the program, evidence of potential to succeed in a research-intensive doctoral program, and goals for the future. Examples of evidence of potential to succeed include technical skills, clinical experiences, and research achievements and interests.

**Career Opportunities:** Doctoral-level scientists in the field of speech and hearing science are well situated to pursue positions in which they can lead independent research programs, such as a university professor or research scientist in the private or public sectors. There is a particular need for doctorate-level scientists with speech-language pathology or audiology backgrounds in tenure-track academic positions.

Career examples include:

- lecturer
- professor
- program officer in a nonprofit or government agency
- research analyst
- research scientist

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHSHSTGPHD/graduate/false/91415
HLTHN 401AA
CHSGrad@asu.edu
602-496-3300

## Strength and Conditioning, MS (NHSTRCDMS)

**Online Degree Search Title:** Strength and Conditioning, MS
**Campus:** Downtown Phoenix

**Program Description:** The MS program in strength and conditioning focuses on specialized knowledge of human physiology and movement mechanics to optimize the physical abilities of active groups, including athletic and tactical populations, and to prevent injury-related problems.

Required courses address advances in health and performance monitoring, how to design successful exercise and recovery programs for maximum physical performance, and coaching strategies that motivate increased individual effort in sport or work. Students gain practical experience that hones their coaching skills and refines their abilities to motivate individuals to achieve the increased workloads that are necessary for performance improvement.

This program prepares students to sit for certification examinations offered through the National Strength and Conditioning Association to become certified strength and conditioning specialists, tactical strength and conditioning facilitators or certified performance sports scientists.

**Degree Requirements:**
30 credit hours and a written exam.
Required Core (24 credit hours)
KIN 520 Applied Sport Psychology (3)
KIN 530 Exercise and Sport Physiology (3)
KIN 540 Sport Biomechanics (3)
NTR 555 Nutrition and the Athlete (3)
SSP 501 Data Collection, Analysis and Interpretation in Strength and Conditioning (3)
SSP 530 Advanced Performance Programming (3)
SSP 534 Measurement and Monitoring in Sport and Fitness (3)
SSP 560 Performance Sports Coaching (3)

Other Requirements (6 credit hours)
SSP 584 Internship (6)

Culminating Experience (0 credit hours)
written comprehensive exam (0)

Additional Curriculum Information
The written comprehensive exam covers the three coaching application courses SSP 530, SSP 534 and SSP 560.

The internship is a fully immersive experience working under a certified strength and conditioning specialist. Hours are spent learning all aspects of the job in addition to best practices for improving athletic performance.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in exercise science, kinesiology, sports science, exercise physiology, human movement, physical education or a related field from a regionally accredited institution. Applicants with a bachelor's degree in another area may apply and be considered if they can demonstrate that they have experience in strength and conditioning.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- letter of intent
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

If an applicant does not have a bachelor's degree in one of the areas listed above but has strength and conditioning experience, evidence must be included in either the professional resume or letter of intent.

All applicants must have basic competencies in: human anatomy and physiology with laboratories (BIO 201 and BIO 202), exercise and sport physiology (SSP 315 and SSP 316), and applied anatomy and biomechanics of sport and movement (SSP 325).

The letter of intent should address the applicant's area of professional or scholarly interest, their professional goals, and relevant experience, background and training.

Academic or professional references are preferred for the letters of recommendation.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Evaluate the skills and abilities needed of an athlete to perform in a specific sport/activity.
- •Create advanced strength and conditioning programs for sport or tactical (police, military, firefighter) populations to enhance performance and reduce participant’s risk of injury.
- •Apply the appropriate coaching intervention based on their evaluation of the participant and their desired performance needs.

**Career Opportunities:** Graduates have acquired the fundamental skills to not only be a strength and conditioning coach but also to pursue a sports scientist career, a career as a tactical performance professional, or a career working with high-activity occupations, i.e., military, police, firefighters or emergency medical technicians.

Career opportunities are available as:

- athletic trainers
- exercise physiologists
- fitness trainers and aerobics instructors
- fitness and wellness coordinators
- sports performance coaches or scouts
- sports scientists

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential

licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/masters-degrees-phds/majorinfo/NHSTRCDMS/graduate/false/91415
HLTHN 401
chsgrad@asu.edu
602-496-3300

## Integrative Sciences and Arts, College of

### Applied Biological Sciences, MS (TSAPBIOSMS)

**Online Degree Search Title:** Applied Biological Sciences, MS
**Campus:** Polytechnic

**Program Description:** The MS program in applied biological sciences offers advanced instruction in the ecology and sustainable management of natural and urban ecosystems. Rigorous programs of study involving field and laboratory work are custom-designed to apply ecological or biological principles to problems in species or ecosystem conservation. All programs culminate with the completion of a research-based thesis or applied project.

The program is supported by faculty members with backgrounds in:

- ecological restoration
- environmental microbiology
- environmental stress physiology
- desert horticulture
- plant-fungal ecology
- plant systematics
- riparian and stream ecology
- wildlife biology

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Biological Sciences (Applied Biological Sciences), BS
Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS
Applied Biological Sciences (Natural Resource Ecology), BS
Applied Biological Sciences (Preveterinary Medicine), BS
Applied Biological Sciences (Secondary Education in Biology), BS
Applied Biological Sciences (Sustainable Horticulture), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (ABS 592 and ABS 593).
Required Core (3 credit hours)
ABS 550 Vegetation Dynamics (3) or
ABS 555 Wildlife Dynamics (3)

Electives or Research (21 credit hours)

Culminating Experience (6 credit hours)
ABS 592 Research (3) and ABS 593 Applied Project (3) or
ABS 599 Thesis (6)

Additional Curriculum Information
The electives coursework is chosen to support the student's educational objectives.

Students choose a thesis or applied project option. A final oral examination covering the thesis and related subject matter is required.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume
- statement of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants are expected to have completed 18 credit hours in biological sciences and closely related courses. Specific fields of study may have specific expectations regarding courses taken at the undergraduate level. Applicants not meeting these course requirements may be considered for admission with deficiencies.

The statement of intent should not exceed 600 words and should explain the applicant's interest in environmental resources, as well as their academic background and educational objectives.

The letters of recommendation should be from references who are qualified to comment on the applicant's potential in the selected area of study.

Department faculty evaluate the applications and supporting materials and recommend to Admission Services whether the applicant should be granted admission, either regular or provisional, or denied admission. If admission is provisional, the Graduate College specifies in its letter of admission the provisions that need to be met to gain regular status. The school informs successful applicants of the procedures for enrollment.

**Career Opportunities:** Professionals with expertise in the study of evolution, natural history and conservation of plants and animals are in high demand across sectors and industries, including county and state organizations as well as community management. Those with skills in laboratory work, field research and data analysis are valuable to businesses and institutions that are building deep connections within leading scientific and technological industries to create innovative solutions to challenging global problems in a technologically focused world. Studying biology can lead to a wide range of careers, such as research, teaching, health care and policy development.

Career examples include:

- biologists
- fish and wildlife biologists
- medical scientists
- natural science managers
- postsecondary biological science teachers

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Counseling, MC (EDCOUNMC)

**Online Degree Search Title:** Counseling, MC
**Campus:** Tempe

**Program Description:** The MC program in counseling is approved by the Arizona Board of Behavioral Health Examiners (https://www.azbbhe.us/node/553 (https://www.azbbhe.us/node/553)).

The mission of the 60 credit hour program is to prepare students to become licensed professional counselors in Arizona and other states with

comparable licensure requirements.

With its strong focus on multicultural counseling across the lifespan, students in the Master of Counseling program learn to promote the health of individuals, families, groups and organizations in a diverse society.

Faculty research and clinical foci include:

- advocacy
- children and adolescents
- counseling process and outcome
- couple and family relationships
- crisis assessment
- culturally responsive treatment
- mental health disparities
- nonbinary stress and resilience
- play therapy

The program instills in students the importance of research in advancing the counseling profession. The crucial link between science and practice is evident in the three complementary functions of the program's state-of-the-art Counselor Training Center: clinical service provision, high-quality training, and innovative process and outcome research.

The Master of Counseling program has endorsed the American Counseling Association's Code of Ethics and the following American Counseling Association competencies: ALGBTIC Competencies for Counseling LGBQIQA Individuals (2012), Competencies for Counseling the Multiracial Population (2015), Multicultural and Social Justice Counseling Competencies (2015), Competencies for Addressing Spiritual and Religious Issues in Counseling (2009) and Multicultural Career Counseling Competencies (2009).

**Degree Requirements:**
60 credit hours and a thesis, or 60 credit hours and a written comprehensive exam.
Required Core (36 credit hours)
CED 501 Introduction to Research and Evaluation in Counseling (3)
CED 502 Counseling Research Data Analysis (3)
CED 522 Theories of Counseling and Psychotherapy (3)
CED 523 Psychological Tests (3)
CED 527 Prevention and Consultation (3)
CED 529 Lifespan Human Development (3)
CED 534 Occupations and Careers (3)
CED 545 Assessment and Diagnosis (3)
CED 567 Group Dynamics and Counseling (3)
CED 577 Counseling Prepracticum (3)
CED 645 Professional Issues and Ethics (3)
CED 671 Multicultural Counseling (3)

Electives or Research (6 or 12 credit hours)

Other Requirements (12 credit hours)
CED 680 Practicum: Seminar (3)
CED 680 Practicum: Clinic (3)
CED 684 Internship (6)

Culminating Experience (0 or 6 credit hours)
CED 599 Thesis (6) or
written comprehensive exam (0)

Additional Curriculum Information
Students choose either a thesis or written comprehensive exam pathway. The written comprehensive exam is for students in the practitioner pathway, and they take 12 credit hours of elective coursework. The thesis option is for students who are focusing their program on research, and they take six credit hours of research coursework plus six credit hours of thesis.

The clinical portion of the program is comprised of CED 680 Practicum Seminar and Clinic and CED 684 Internship. These are required for all students. CED 580 Practicum Clinic and CED 584 Internship may be taken by students needing to log required clinical hours after CED 680 and CED 684 are completed. CED 580 and CED 584 are not required unless additional clinical hours are needed.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two- to three-page personal statement
- at least two and a maximum of three letters of recommendation
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. This program requires a TOEFL iBT score of at least 100.

Finalists are invited for a virtual interview.

Nonacademic, Professional or Life Experiences:
Applicants are required to submit a two- to three-page personal statement (12pt. Times New Roman font with 1" margin, double-spaced) that indicates their qualifications (e.g., professional experiences and personal attributes) and interest in ASU's MC program. Specifically, applicants are asked to describe how their education and training as well as volunteer and professional experiences inform why they want to pursue the Master of Counseling degree. They also should outline how the program will help them meet their future goals. Applicants are expected to discuss their ability to work with and be sensitive to the needs of a multicultural and diverse society, including but not limited to members of diverse racial and ethnic groups and sexual minority individuals.

Recommendations:
At least two and at most three recommendation letters are required. These should be from persons able to evaluate the applicant's academic potential (e.g., faculty member) and professional or volunteer experience (e.g., a supervisor). Applicants are discouraged from asking for recommendations from individuals or acquaintances who have not overseen their professional, volunteer or academic work.

Students should see the program website for application deadlines.

**Career Opportunities:** Graduates provide clinical services in a range of settings, such as community agencies, hospitals, private practice, and university counseling centers. The program also prepares graduates who wish to pursue doctoral-level studies.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Graduates of the Master of Counseling program meet licensure requirements as a professional counselor with the Arizona Board of Behavioral Health Examiners. Because requirements vary by state, students should consult the licensing requirements for the state in which they tend to reside.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu/graduate/ccp
EDB 446
ccp@asu.edu
480-965-8733

## Counseling (School Counseling), MC (LSCOUNSCMC)

**Online Degree Search Title:** Counseling (School Counseling), MC
**Campus:** Tempe

**Program Description:** The mission of the school counseling concentration within the MC program is to prepare students to work with school aged youth in K-12 settings as a school counselor, addressing academic and socioemotional concerns. Graduates of this program will hold a School Counselor, PreK-12 Certificate, issued by the Arizona Department of Education and be eligible to hold a license in mental health counseling, applied for through the Arizona Board of Behavioral Health Examiners.

**Degree Requirements:**
60 credit hours and a written comprehensive exam.

Required Core (36 credit hours)
CED 501 Intro to Research and Evaluation in Counseling (3)
CED 502 Counseling and Research Data Analysis (3)
CED 522 Theories of Counseling and Psychotherapy (3)
CED 523 Psychological Tests (3)
CED 527 Prevention and Consultation (3)
CED 529 Lifespan Human Development (3)
CED 534 Occupations and Careers (3)
CED 545 Assessment and Diagnosis (3)
CED 567 Group Dynamics and Counseling (3)
CED 577 Counseling Practicum (3)
CED 645 Professional Issues and Ethics (3)
CED 671 Multicultural Counseling (3)

Concentration (9 credit hours)
CED 510 Introduction to School Counseling (3)
CED 511 Career Development and Advanced Educational Planning (3)
CPY 691 Seminar (3)

Electives (3 credit hours)

Other Requirements (12 credit hours)
CED 680 Practicum: Seminar (3)
CED 680 Practicum: Clinic (3)
CED 684 Internship: Internship in School Counseling (6)

Culminating Experience (0 credit hours)
written comprehensive exam (0)

**Admission Requirements:** Applicants must fulfill the requirement of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admissions application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. This program requires a TOEFL score of at least 100 (iBT, taken in a testing center).

The Master of Counseling program requires applicants to submit a two- to three-page personal statement (12 pt. Times New Roman font with 1" margins, double-spaced) that indicates their qualifications (e.g., professional experiences and personal attributes) and interest in the program. Specifically, applicants should describe how their education and training, as well as volunteer and professional experiences, inform why they want to pursue the degree. Applicants should also outline how the program will help them meet future career goals. Applicants are expected to discuss their ability to work with and be sensitive to the needs of a multicultural and diverse society, including members of diverse racial and ethnic groups and sexual minority individuals.

**Career Opportunities:** Graduates are eligible to work in a variety of school systems (public, private and charter schools) and can provide consultation and counseling services to school systems. This degree can also lead to school-based administrative positions. The concentration makes students eligible for employment in a variety of settings utilizing both skillsets (e.g., school settings, mental health agencies and practices, and consultant agencies) and in a variety of roles.

Career examples include:

- mental health clinician

- mental health counselor
- school administrator
- school counselor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

This program leads to professional licensure in mental health counseling and a School Counselor, PreK-12 Certificate.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu/graduate/ccp
EDB 446
ccp@asu.edu
480-965-8733

## Counseling Psychology, PHD (EDCPSYPHD)

**Online Degree Search Title:** Counseling Psychology, PhD
**Campus:** Tempe

**Program Description:** This American Psychological Association-accredited PhD program in counseling psychology adheres closely to the scientist-practitioner training model in preparing graduates for employment in academic and clinical settings.

Although faculty interests are diverse, there is a common emphasis on using empirical data as the basis for culturally-responsive professional practice. The program boasts a strong commitment to diversity, equity and inclusion as evidenced in course offerings, clinical training, professional development activities, and research foci.

Faculty research foci include the following:

- acculturative stress
- cultural socialization
- LGBT mental health
- mental health disparities
- microaggressions
- psychotherapy process and outcome
- retention in graduate education
- social and personal relationships
- socioeconomic status and financial stress
- trans and non-binary minority stress and resilience

Students enjoy exceptional clinical opportunities including placement in local hospitals, university and college counseling centers, community agencies and assessment sites. The program's state-of-the-art Counselor Training Center provides practicum experiences with campus and community clients as well as clinical supervision experiences. The center supports three complementary functions: clinical service provision, high-quality training, and innovative process and outcome research.

**Degree Requirements:**
113 credit hours, a written comprehensive exam, a prospectus and a dissertation.
The doctoral curriculum typically requires three to four years of full-time graduate study plus a yearlong internship in an APA-approved setting. Each of these years involves coursework pertaining to theory, research and practice in counseling psychology.

Students are expected to maintain full-time status. This requirement applies only to the academic year and not summer sessions.

At a minimum, students are required to complete two years of coursework in residence at ASU.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- a completed biographical information form
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement should be single-spaced, roughly 600-800 words, and it should describe the applicant's history, academic and professional goals, and reasons for selecting the counseling psychology program at ASU.

Applicants must submit a sample of their expository writing (e.g., taken from a paper prepared for a course or a report on a project the applicant has completed in this field) not to exceed 1MB.

At least two of the recommendation letters must be from persons familiar with the applicant's academic work.

**Career Opportunities:** Graduates provide clinical services in a variety of settings, such as community agencies, hospitals, private practice and university counseling centers. They also are employed in academic positions in universities across the country.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Graduates of the counseling psychology doctoral program meet the licensure requirements of most states. Because requirements vary by state, it is recommend that students consult the licensing requirements for the state in which they intend to reside.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu/graduate/ccp
EDB 446
ccp@asu.edu
480-965-8733

## Integrative Social Science, MS (LSISSMS)

**Online Degree Search Title:** Integrative Social Science, MS
**Campus:** Polytechnic

**Program Description:** The MS in integrative social science is an advanced degree program that cross-educates students in the social sciences in order to meet the complex issues that confront human society in a technologically sophisticated world.

The emphasis of the program lies in bridging traditional disciplinary boundaries to immerse students in theories available across multiple social science disciplines. Thus, graduates of the program are prepared with theory and research skill sets that allow them to integrate multiple perspective in addressing modern social problems.

The Master of Science program in integrative social science is intended for forward-looking students who wish to make a positive impact on society. The integrative approach emphasizes both theoretical analysis and real-world problem-solving abilities. The degree puts students in an excellent position to pursue either doctoral work in the social sciences or a professional career in fields that seek to improve the quality of life in society.

Students learn skills desired in many professional fields, including creative problem-solving, the capacity to work effectively in both team-centered and self-directed contexts, advanced analysis of complex social and global issues, how to research complex problems, and professional writing and communication skills.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Integrative Social Science, BS
Political Science, BS
Science, Technology and Society, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including a thesis, or 30 credit hours including the required applied project course (ISS 593).
Required Core (12 credit hours)
ISS 501 Advanced Integrated Social Research Methods (3)
ISS 502 Advanced Seminar in Integrated Social Science (3)
ISS 504 Advanced Integrated Theories of Social Science (3)
ISS 505 Multivariate Methodologies of Social Science (3)

Electives or Research (12 or 15 credit hours)

Culminating Experience (3 or 6 credit hours)
ISS 593 Applied Project (3) or
ISS 599 Thesis (6)

Additional Curriculum Information
Students choose either the thesis or applied project option.

For elective coursework, students choose from a list of preapproved courses for a total of 12 credit hours. Other courses may be used with approval from the academic unit.

Students are highly encouraged to participate in an internship for elective coursework. Internships are a structured practical experience that follows a contract or plan that is supervised by faculty and practitioners. Students should contact the academic unit for a list of possible elective courses and internship opportunities.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any social science or interdisciplinary field such as political science, sociology, philosophy, economics, psychology, public policy, administration or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Professionals with expertise in analyzing complex social and global issues are in high demand across sectors and industries, including business, public administration, politics and community organizations. Those who possess skills in the analysis of social phenomena and complex social problems are valuable to businesses and institutions relying on data-driven strategies for engagement and growth.

Career examples include:

- administrators
- government agency analysts and managers
- social and community service managers
- social science research analysts
- solutions resource specialists

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

# Liberal Studies, MLSt (LAMLSMLS)

**Online Degree Search Title:** Liberal Studies, MLSt
**Campus:** Tempe, Online

**Program Description:** The MLSt is an advanced degree that situates knowledge and know-how at the intersections of culture, community and profession. Its emphasis on integrative knowledge and cross-disciplinary approach cultivates students' capacity to see and understand the complex reality of societal problems and navigate challenges across cultural, professional and personal contexts. Communication, holistic analysis, perspective-taking and research are featured aspects of all core courses.

A unique aspect of the degree is the customization of learning. Working closely with faculty advisors, Master of Liberal Studies students build the majority of their program by choosing from a wide-ranging list of elective courses that best meet their interests and needs. With courses from across the humanities, social sciences, arts, and natural sciences, this degree prepares students to become master learners and problem-solvers. The degree culminates in an applied learning experience under the guidance of a seasoned faculty member.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, BA
History, BA
Interdisciplinary Studies, BA
Interdisciplinary Studies (Organizational Studies), BA
Liberal Studies, BA
Organizational Leadership, BA
Organizational Leadership (Project Management), BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (MLS 593).
Required Core (9 credit hours)
MLS 510 Communicating in Complex Cultural Environments (3)
MLS 511 Advanced Liberal Studies and Worlds of Possibility (3)
MLS 512 Exploring and Expressing Ideas (3)

Electives (15 credit hours)

Culminating Experience (6 credit hours)
MLS 593 Applied Project: Design for Impact (3)
MLS 593 Applied Project: Engage for Impact (3)

Additional Curriculum Information
Featuring courses from English, film and media studies, and art, this degree prepares students to become master learners across a wide range of cultural and social contexts. Electives are chosen in conjunction with graduate advisors.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-liberal-studies/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with excellent critical problem-solving and communication skills are in high demand across sectors and industries, including business, media, entertainment, politics and community organizations. Skills in communication, creative practice, as well as the collection and critical analysis of data for the development of impactful content are valuable to businesses, nonprofit sectors and institutions relying on relevant strategies to engage and serve diverse audiences.

Career examples include:

- archivist
- business manager of artists, performers and athletes
- market research analyst
- public relations specialist
- writer or creative writer

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/mls
USE 138
SASAGrad@asu.edu
480-965-1970

## Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)

**Online Degree Search Title:** Liberal Studies (Film and Media Studies), MLSt
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MLSt with a concentration in film and media studies offers students an opportunity to explore liberal studies insights relevant to the scholarship of film and media in society. This is an advanced degree that situates knowledge and know-how at the intersections of culture, community and profession. The program's emphasis on integrative knowledge and its cross-disciplinary approach cultivates the capacity to see and understand the complex reality of societal problems and navigate challenges across cultural, professional and personal contexts. Communication, holistic analysis, perspective-taking and research are featured aspects of all core courses.

A unique aspect of the program is the customization of learning. Working closely with faculty advisors, Master of Liberal Studies, students build their program by choosing from a wide-ranging list of elective courses that best meet their interests and needs. With an emphasis on film, media, culture and more, this program prepares students to become master learners and problem solvers. The program culminates in an applied learning experience under the guidance of a seasoned faculty member.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, BA
History, BA
Interdisciplinary Studies, BA
Interdisciplinary Studies (Organizational Studies), BA
Liberal Studies, BA
Organizational Leadership, BA
Organizational Leadership (Project Management), BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (MLS 593).
Required Core (9 credit hours)
MLS 510 Communicating in Complex Cultural Environments (3)
MLS 511 Advanced Liberal Studies and Worlds of Possibility (3)

MLS 512 Exploring and Expressing Ideas (3)

Electives (15 credit hours)

Culminating Experience (6 credit hours)
MLS 593 Applied Project: Design for Impact (3)
MLS 593 Applied Project: Engage for Impact (3)

Additional Curriculum Information
Featuring courses from English, film and media studies, and art, this degree prepares students to become master learners across a wide range of cultural and social contexts. Electives are chosen in conjunction with graduate advisors.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Professionals with excellent critical problem-solving and communication skills are in high demand across sectors and industries, including business, media, entertainment, politics and community organizations. Skills in communication, film and media analysis, creative practice, as well as the collection and critical analysis of diverse data for the development of impactful content are valuable to businesses, nonprofit sectors and institutions relying on relevant strategies to engage and serve diverse audiences.

Career examples include:

- agent of artists, performers and athletes
- educator
- film, art and culture critic
- media and communications worker

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/mls
USE 138
SASAGrad@asu.edu
480-965-1970

## Narrative Studies, MA (LSNRSMA)

**Online Degree Search Title:** Narrative Studies, MA
**Campus:** Polytechnic

**Program Description:** The MA in narrative studies is a comprehensive program that explores narrative and storytelling across a range of cultures and historical periods.

With curriculum emphasis on teaching and research, students study the structural, social, cultural, rhetorical and historical aspects of narrative and storytelling in texts, film and other media.

Graduates are primed for critical and eloquent engagement with the world beyond the university.

**Degree Requirements:**
30 credit hours including the required capstone course (ENG 597).

Required Core (6 credit hours)
ENG 503 History of Narrative (3)
ENG 509 Studies in Narrative Writing (3)

Electives or Research (21 credit hours)

Culminating Experience (3 credit hours)
ENG 597 Graduate Capstone Seminar (3)

Additional Curriculum Information
Students choose six courses from a restricted list for a total of 21 credit hours. Students should see the academic unit for the approved course list. Other courses (ENG, COM, FMS, HST or appropriate field) may be utilized for up to six credit hours with approval from the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as English or any humanities discipline.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- written letter of intent that includes a detailed statement of purpose
- portfolio of at least three documents
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The portfolio must include at least three documents that demonstrate the applicant's ability to write in a variety of genres. Portfolio documents can include both academic and professional writing for a range of audiences and purposes. At least one of the documents must be a sample of academic writing. One of the three documents can be a sample of creative writing. The portfolio should be 15 to 30 total pages in length. The writing samples in the portfolio are evaluated using a rubric that considers several criteria, including intellectual focus, strength of argument and documentation, awareness of audience, organization, clarity, mechanical soundness and overall effectiveness.

The letters of recommendation should be either academic or professional and speak to the background and capabilities of the applicant.

**Career Opportunities:** Graduates are equally prepared to become candidates for further academic studies, to advance their careers as area educators in the language arts, and to step into one of the many professions that value creativity, critical thinking and highly skilled communication, including teaching, writing, online publishing and editing.

Professionals with expertise in narrative are in high demand across many sectors and industries, including publishing, media, entertainment, marketing and politics. Skills in crafting and interpreting narratives are valuable to businesses and institutions that communicate, entertain and educate.

Career examples include:

- copy writer
- creative writer
- editor
- freelance writer
- high school teacher

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
SASAGrad@asu.edu
480-965-1970

# Organizational Leadership, MS (LSORGLMS)

**Online Degree Search Title:** Organizational Leadership, MS
**Campus:** Polytechnic, Tempe, Online

**Program Description:** The MS program in organizational leadership offers a theoretically and methodologically rigorous approach to studying and creating use-inspired research needed to impact organizational leadership.

Students explore areas such as organizational dynamics, institutional evolution, strategic change, leading diverse teams, collaborative governance, conflict mediation, critical problem-solving and leadership assessment, and they learn advanced methodological and statistical skills.

The program places special emphasis on learning best practices and other applied aspects of leading organizations. Students tailor their degree to their interests through a vast array of leadership elective courses. In consultation with a faculty advisor, students choose from many different elective courses, such as not-for-profit leadership and intercultural leadership.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, BA
History, BA
Interdisciplinary Studies, BA
Interdisciplinary Studies (Organizational Studies), BA
Liberal Studies, BA
Organizational Leadership, BA
Organizational Leadership (Project Management), BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours and a thesis, or 33 credit hours including the required applied project course (OGL 593).
Required Core (9 credit hours)
OGL 520 Organizational Leadership: Social Psychological Perspectives (3)
OGL 530 Critical Perspectives in Leadership Theory (3)
OGL 540 Evidence-Based Inquiry in Organizational Leadership (3)

Required Methods Courses (6 credit hours)
OGL 550 Leading Organizational Change (3) and OGL 570 Analyzing Organizations (3); or
OGL 574 Qualitative Data Analysis in Leadership Research (3) and OGL 575 Quantitative Data Analysis in Leadership Research (3)

Restricted Electives (12 or 15 credit hours)

Culminating Experience (3 or 6 credit hours)
OGL 593 Applied Project (3)
OGL 599 Thesis (6)

Additional Curriculum Information
Students complete either an applied project or thesis for the culminating experience.

For the required methods coursework, students complete OGL 550 and 570 if in the applied project culminating experience option. Students in the thesis option complete OGL 574 and 575.

Students select four or five courses from a restricted elective list depending on the culminating experience selected. Students should see the academic unit for the approved restricted elective list.

Other courses may be used for the methods and elective coursework with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any area or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The applicant is expected to have a TOEFL score of 100 on the internet-based test, or the applicant must have a passing score in the English for Graduate Admission online course through ASU Global Launch.

GRE or GMAT scores are recommended but not required.

All applicants must submit a written letter of intent that includes a detailed statement of purpose addressing how the program goals coincide with the student's personal and professional objectives. The essay is evaluated on the basis of content, presentation and evidence of graduate-level writing ability; the essay maximum is 500 words.

The professional resume or curriculum vitae are limited to two pages in length.

Applicants must submit two letters of reference that focus on the ability of the applicant to do academic work.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Career Opportunities:** Professionals with skills and expertise in critical thinking, organizational social psychology, teamwork, strategic change and leadership theory are in high demand across global industries. Organizations such as governmental agencies, Fortune 500 companies and those in the nonprofit sectors look for prepared professionals with a wide array of the skills that are optimized throughout this degree program.

Career examples include:

- CEO
- college professor
- human resource manager
- market research analyst
- training and development manager

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/ogladmissions
USE 138
SAPSGrad@asu.edu
480-965-1970

## Project Management, MPM (LSPMGMPM)

**Online Degree Search Title:** Project Management, MPM
**Campus:** Polytechnic, Tempe, Online

**Program Description:** The MPM program provides students the expertise and credentials needed for advanced positions as project managers and project leaders in a wide range of public, private and nonprofit settings.

Students learn to plan and execute complex projects by applying advanced project management skills like project risk management, project quality management, project schedule management, project cost management, project resource management, project procurement management, project score management, project stakeholder management, project integration management and project leadership. Students learn multiple approaches to project management including including waterfall, Agile and Scrum methodologies.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, BA
History, BA
Interdisciplinary Studies, BA
Interdisciplinary Studies (Organizational Studies), BA
Liberal Studies, BA
Organizational Leadership, BA
Organizational Leadership (Project Management), BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including the required applied project course (PMG 593).
Required Core (12 credit hours)
PMG 501 Project Management Theory (3)
PMG 502 The Thoughtful Project: Aligning Purpose with Approach (3)
PMG 503 Impact Analysis and Sustainability in Project Management (3)
PMG 504 Social Psychological Perspectives in Project Management (3)

Case Study Simulation Required Courses (3 credit hours)
PMG 510 Interactive Learning: Scope, Schedule, and Cost Management (1)
PMG 511 Interactive Learning: Risk and Procurement Management (1)
PMG 512 Interactive Learning: Quality, Resource, and Communication Management (1)

Restricted Electives in Methods, Techniques and Contexts in Leading Projects (12 credit hours)

Other Requirement (3 credit hours)
PMG 582 Developing the Plan in Project Management (3)

Culminating Experience (3 credit hours)
PMG 593 Applied Project (3)

Additional Curriculum Information
For the Methods, Techniques and Contexts in Leading Projects restricted electives, students choose 12 credit hours from an approved course list. Students should see the academic unit for the complete list of courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any area or any related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. For proof of English proficiency, applicant is expected to have either a TOEFL 100 on the internet-based test or a passing score in the English for Graduate Admission online course through ASU Global Launch.

GRE or GMAT scores are recommended but not required.

All applicants must submit a written letter of intent that includes a detailed statement of purpose addressing how the program goals coincide with the student's personal and professional objectives. The essay is evaluated on the basis of content, presentation and evidence of graduate-level writing ability (the limit is 500 words, maximum).

The professional resume or curriculum vitae are limited to two pages in length.

Applicants must submit two letters of reference that focus on the ability of the applicant to do academic work.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-project-management/) for program descriptions and to request more information.

**Career Opportunities:** Graduates can employ advanced project management approaches, processes, structures and techniques, effectively contributing to development and deployment of project management methodologies that achieve organizational goals, solve problems and effect change around the globe. They are prepared for a range of positions in the public and private sectors, including in government, information technology, nonprofit agencies, businesses of many kinds, and in the service industry.

Graduates are prepared for jobs as technical project managers, project managers versed in the Agile methodology and others, senior project managers, portfolio or project managers and directors of project management. In addition, students may seek advanced study in the form of the Project Management Professional credential.

Career examples include:

- compliance manager
- construction manager
- cost estimator
- information technology project manager
- project manager

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/master-project-management
USE 138
SAPSgrad@asu.edu
480-965-1970

## Technical Communication, MS (LSTCCMMS)

**Online Degree Search Title:** Technical Communication, MS
**Campus:** Polytechnic, Online

**Program Description:** The MS program in technical communication teaches students how to design, produce and manage print and digital texts using a variety of tools and technologies.

The curriculum provides students with an understanding of the professional, cultural and ethical issues that shape the field; it balances theory and practice to ensure students develop the analytical approaches, technological expertise and skills necessary for success as a technical communicator.

Students complete the program as accomplished writers, editors, designers, project managers and researchers who are able to respond effectively to a range of audiences, issues and communication situations.

**Degree Requirements:**
36 credit hours including a thesis, or 36 credit hours including the required applied project course (TWC 593), or 36 credit hours including the required capstone course (TWC 596).
Required Core (6 credit hours)
TWC 504 Applied Rhetoric and Technical Communication (3)
TWC 505 Research in Technical and Applied Communication (3)

Restricted Electives (21 or 27 credit hours)

Other Requirement (0 or 3 credit hours)
TWC 506 Research Design and Development (3)

Culminating Experience (3 or 6 credit hours)
TWC 593 Applied Project (6) or
TWC 596 Technical Communication Capstone (3) or
TWC 599 Thesis (6)

Additional Curriculum Information
Students who do not have previous technical communication coursework or relevant industry experience must take TWC 501 Fundamentals of Technical Communication as a restricted elective. For a full list of the approved electives courses, students should inquire at the academic unit offices.

Students complete an applied project, capstone course or thesis for the culminating experience. Students who choose the capstone option will complete a total of 27 elective credit hours.

TWC 506 is a requirement for students completing an applied project or thesis only.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- portfolio
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Since this degree requires a high degree of proficiency in English, an applicant whose native language is not English is expected to have one the following TOEFL scores: 100 internet-based or 250 computer-based.

All applicants must submit a written letter of application that includes a detailed statement of purpose as well as a portfolio of at least three documents that demonstrate the applicant's ability to write in a variety of genres. Portfolio documents can include both academic and professional writing for a range of audiences and purposes and need not be in the area of technical communication. The portfolio should be 15 to 30 pages in length. The writing samples in the portfolio are evaluated using a rubric that considers several criteria, including a demonstration of the ability to focus on a specific purpose and to meet audience needs and show organization, clarity, mechanical soundness and overall effectiveness.

All applicants must submit three letters of reference, either academic or professional, that speak to the background and capabilities of the applicant.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-technical-communication/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with expertise in technical communication are in high demand across sectors and industries, including technology, business, entertainment, education and community organizations. Graduates are prepared for technical communication positions in the private, public and nonprofit sectors and offers professionals the opportunity to further advance their careers.

Skills in the analysis of users and data, writing and creating visuals, and managing online content are valuable to businesses and institutions relying on rhetorical awareness and understanding of complex information to manage specialized content and to translate them to broad audiences for maximum impact.

Career examples include:

- instructional designer
- interface designer
- IT project manager
- public relations manager

- social media manager
- technical writer
- user experience specialist
- web administrator

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/tech-comm
SANCA 233
SAPSGrad@asu.edu
480-965-1970

## Technical Communication (certificate), Certificate (LSTECGRCT)

**Online Degree Search Title:** Technical Communication (Graduate Certificate)
**Campus:** Polytechnic, Online

**Program Description:** Through the technical communication program, students learn how to produce and communicate technical information using traditional and digital technologies.

**Degree Requirements:**
18 credit hours.
Core Requirement (9 credit hours)
TWC 501 Fundamentals of Technical Communication (3)

Choose two of the following courses:
TWC 511 Principles of Visual Communication (3)
TWC 521 Principles of Web Authoring (3)
TWC 531 Principles of Technical Editing (3)

Electives (9 credit hours)

Additional Curriculum Information
Students choose any 500-level TWC courses as their electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/technical-communication-graduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** Graduates who have combined the certificate in technical communication with their major program of study may be more marketable to employers. They often decide to pursue employment in technical writing, web content development and editing.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/tech-comm
SANCA 233

SAPSGrad@asu.edu
480-727-1526

## User Experience, MS (ESUSEXMS)

**Online Degree Search Title:** User Experience, MS
**Campus:** Polytechnic, Online

**Program Description:** The MS program in user experience addresses UX research, design, content development, communication, tone of voice and evaluation of all components and products with which end users interact.

Students learn how to research user needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered evaluation methods.

User experience skills are increasingly valued by industry because the combination of user-centered research, design, and communication helps graduates lead and contribute to teams that are constantly improving products and the lives of their users.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Graphic Information Technology (User Experience), BS
Human Systems Engineering (User Experience), BS
Technical Communication (User Experience), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core (15 credit hours)
GIT 540 Cross-Media Design Solutions (3)
HSE 542 Foundations of Human Systems Engineering (3)
TWC 501 Fundamentals of Technical Communication (3)
Choose two courses from the following:
GIT 542 Usability and User Experience (3)
HSE 521 Methods and Tools in Human Systems Engineering (3)
TWC 544 User Experience (3)

Electives or Research (15 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
Students should see the academic units for a complete list of approved electives and research courses. Other courses may be used with approval of the academic units.

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College, the Ira A. Fulton Schools of Engineering and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in related fields such as psychology, graphic information technology, graphic design, human systems engineering, business, cognitive science, design or technical communication from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- writing sample

- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Graduate Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency). Global Launch at ASU (https://globallaunch.asu.edu/learn-english/online-english/english-for-admission) offers an online alternative to standardized testing for international students who are seeking admission to ASU but need proof of English proficiency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/online-user-experience-masters/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Integrate appropriate user experience principles into UX design processes.
- •Apply user research methods to projects to uncover usability challenges.
- •Evaluate designs and contexts of use to identify problems and prototype approaches for the improving user experience.
- •Synthesize technical information into written and visual documentation for user experience projects.

**Career Opportunities:** Graduates with this degree possess the skills in research, analysis, design and communication to be UX professionals who effectively lead teams and collaborate with clients and technical personnel.

UX is a rapidly growing field. Graduates can typically expect to find jobs in the areas of:

- design research
- digital visualization design
- human-computer interaction
- human factors research
- interaction design
- interface design
- usability testing
- user experience
- user research

**Contact Information:**
Integrative Sciences and Arts, College of
Human Systems Engineering
https://poly.engineering.asu.edu/advising/
SUTON 240
polygrad@asu.edu
480-727-1874

## Interdisciplinary Arts and Sciences, New College of

### Biological Data Science, MS (ASBDSMS)

**Online Degree Search Title:** Biological Data Science, MS
**Campus:** West, Online

**Program Description:** The MS degree program in biological data science provides students with a foundation in biology and computational methods along with hands-on training through real-world projects at the interface of the natural and mathematical sciences.

Students learn to manipulate big data, including the generation and analysis of data using statistical and computational toolsets. They use their analytical skills in ecological, environmental, toxicological and other biological applications. The program incorporates multiple levels of experiential learning to ensure students gain critical thinking skills in addition to core competencies.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Computing, BS
Applied Mathematics, BS
Biology, BS
Biology, BA
Environmental Science, BA
Environmental Science, BS
Pharmacology and Toxicology, BS
Statistics, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
32 credit hours and a thesis, or 32 credit hours including the required applied project course (ACO 593, BIO 593 or MAT 593), or 32 credit hours including the required capstone course (LSC 586).
Required Core (12 credit hours)
ACO 501 Database Systems and Problem Solving in Python (3)
LSC 555 Integrative Biology I (3)
LSC 556 Integrative Biology II (3)
LSC 562 Applied Mathematics Techniques in Biology (3)

Other Requirements for Campus Immersion (8 credit hours)
LSC 519 Applied Learning Lab (1)
LSC 540 Statistics for Biological Data Science I (3)
LSC 541 Statistics for Biological Data Science II (3)
LSC 547 Wet Laboratory Experience (1)

Other Requirements for Digital Immersion (14 credit hours)
ACO 580 Practicum Topic: Intro to Python Programming for Problem Solving (3)
LSC 519 Applied Learning Lab (2)
LSC 540 Statistics for Biological Data Science I (3)
LSC 541 Statistics for Biological Data Science II (3)
LSC 585 Capstone I in Biological Data Science (3)

Electives (3 or 6 credit hours)

Culminating Experience (3 or 6 credit hours)
ACO 593 Applied Project (6)
BIO 593 Applied Project (6)
MAT 593 Applied Project (6)
ACO 599 Thesis (6)
BIO 599 Thesis (6)
MAT 599 Thesis (6)
LSC 586 Capstone II in Biological Data Science (3)

Additional Curriculum Information
The Master of Science program in biological data science is delivered through the campus immersion or digital immersion modality. Culminating experiences require three or six credit hours with various options based on modality.

Students in the campus immersion modality select either an applied project or thesis for the culminating experience based on their interests and career goals in biological data science. The applied project option usually results in a written report summarizing the work that was completed. The thesis is best suited for students who want to pursue a research career because it requires an oral defense and the written thesis is considered a publication. These students complete the courses listed under Other Requirements for Campus Immersion and select six credit hours of electives in consultation with the academic unit.

The capstone course option is reserved for students in the digital immersion modality. These students complete the courses listed under Other Requirements for Digital Immersion and select three credit hours of electives in consultation with the academic unit. The capstone course will incorporate a work-based learning model and provide industry-relevant projects for students.

Courses from the other requirements lists above may be substituted if students receive approval from the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and

Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as biology, mathematics, statistics or computing, as well as unrelated fields, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

It is preferred that letters of recommendation be from faculty members who know the applicant's work well; if these are not available, letters of recommendation from individuals in supervisory or professional roles will be accepted.

The statement of purpose should describe the applicant's educational background, scholarly interests, and academic and professional goals.

Depending on the applicant's educational background, deficiency courses may be required.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/biological-data-science-masters/) for program descriptions and to request more information.

**Career Opportunities:** The proliferation of big data sets generated in biological science fields has dramatically increased the demand for individuals with the solid skill sets they need to manipulate and interpret this data.

Graduates are ready to enter one of the fastest-growing job markets to work with consulting firms, government agencies as well as nongovernmental organizations, in data science, informatics, data analytics, database development and mathematical modeling of biological systems that are relevant to a variety of industries. They are well suited for employment in positions such as:

- bioinformatics data scientist
- chemical biology data scientist
- clinical data analyst
- computational biologist
- data engineer or data mining engineer
- database developer
- fisheries scientist, dairy scientist or animal scientist
- genomic scientist
- natural resources data scientist
- pharmaceutical scientist

Graduates also are ready to seek advanced professional or graduate degrees, such as in medical, dental, veterinary and public health fields.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/masters-degrees-phds/majorinfo/ASBDSMS/graduate/false/58
FAB N100
ncgradadvising@asu.edu
602-543-3000

## Biological Data Science (Certificate), Certificate (ASBDSGRCT)

**Online Degree Search Title:** Biological Data Science (Graduate Certificate)
**Campus:** West, Online

**Program Description:** This biological data science certificate program sits at the intersection of biology, computing, mathematics and statistics,

providing students in any of these disciplines the unique opportunity to develop an integrative toolkit that is in high demand for the analysis of data in the context of biological applications. It provides students with real-world training at the interface of the natural and mathematical sciences.

Students learn to manipulate big data, including the generation and analysis of data using statistical and computational toolsets. Students can use their analytical skills in ecological, environmental, toxicological and other biological applications and are prepared to work in emerging areas of interdisciplinary and transdisciplinary research.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
ACO 501 Database Systems and Problem Solving in Python (3)

Other Requirements (6 credit hours)
LSC 540 Statistics for Biological Data Science I (3)
LSC 541 Statistics for Biological Data Science II (3)

Restricted Electives (6 credit hours)
ACO 580 Topic: Intro to Python Programming for Problem Solving (3)
FOR 540 Advanced Topics in Human Forensic DNA Typing (3)
LSC 555 Integrative Biology I (3)
LSC 556 Integrative Biology II (3)
LSC 562 Applied Mathematics Techniques in Biology (3)
STC 510 Data Wrangling (3)

Additional Curriculum Information
Other requirement and restricted elective coursework may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should address the following requests in 250 words or less:
- Applicants should describe their career goals and how a graduate certificate in biological data science will help them achieve those goals.
- Biological data science is a discipline that spans a broad range of biological topics from molecular biology to ecology, and it uses a variety of computational methods. Applicants are asked to briefly describe two aspects of biological data science that most interest them, and explain why.
- Optional: Applicants are asked to explain any extenuating circumstances that affected their undergraduate performance or that affect them now. This is not necessary if the applicant feels their application meets all the program's admission requirements.

A professional resume may be included in the application materials, but this is optional.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-biological-data-science) for program descriptions and to request more information.

**Career Opportunities:** With the multiple levels of experiential learning in the program, graduates of the biological data science certificate are ready to enter one of the fastest-growing job markets. They have the foundation they need for a broad range of careers that require skills in analytical reasoning, computer programming and database design in such areas as consulting firms, government agencies and nongovernmental organizations. Career fields relevant to the certificate program include:

- bioinformatics
- data management and databases
- data processing, hosting and related services
- environmental consulting
- marketing or advertising for companies with large consumer data sets
- research data analysis
- work in health care industries that involves dealing with patient data

Graduates are also prepared for pursuing advanced professional or graduate degrees.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/
FAB N100
NCGradAdmissions@asu.edu
602-543-3000

## Communication Studies, MA (ASCOMSTMA)

**Online Degree Search Title:** Communication Studies, MA
**Campus:** West

**Program Description:** The MA degree program in communication studies is a cutting-edge degree program designed for students who wish to pursue a wide range of today's communication professions.

With special emphases on both advocacy and social technologies as defining themes, students can tailor the program to their personal goals, focusing on topics such as interpersonal, organizational, sport, environmental, social media politics and global or technology-mediated communication.

Students use multiple perspectives to explore a variety of topics and issues in communication.

These include how individuals and collectives participate effectively in personal relationships; organizational settings and public dialogues across cultural contexts; and the impact and effects of media, mediated representations and new technologies. They also learn to use communication strategically to advocate for others.

Graduates are prepared to pursue doctoral work or careers in a variety of communication-driven fields such as public affairs, public relations, employee development, strategic communication, community relations and grassroots movements through exposure to a variety of research methods, theories and practical applications.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Science, BAS
Biology, BA
Communication, BA
Communication, BA
Communication, BS
Environmental Science, BA
Gender, Women and Sexuality Studies, BS
Global Management, BGM
History, BA
Interdisciplinary Arts and Performance, BA
Interdisciplinary Arts and Sciences, BA
Latin American Studies, BA
Philosophy, Religion and Society, BA
Political Science, BA
Political Science, BS
Psychology, BA
Psychology, BS
Social Justice and Human Rights, BA
Social and Behavioral Sciences, BA
Social and Behavioral Sciences, BS
Sociology, BA

Sociology, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
36 credit hours and a written comprehensive exam, or 36 credit hours including the required applied project course (CMN 593) and a written comprehensive exam, or 36 credit hours, a written comprehensive exam and a thesis.
Required Core (9 credit hours)
CMN 502 Theory and Practice in Communication and Persuasion (3) or CMN 522 Argumentation and Advocacy (3)
CMN 505 Methods in Applied Communication Research (3)
CMN 506 Humanistic Inquiry and Field Research in Communication (3)

Electives (21-27 credit hours)

Culminating Experience Options (0-6 credit hours)
CMN 593 Applied Project, with written comprehensive exam (3)
CMN 599 Thesis, with written comprehensive exam (6)
written comprehensive examination (0)

Additional Curriculum Information
Electives are selected in consultation with the student's program advisor and may include courses with either the CMN (communication) or STC (social technology) prefixes. When appropriate, students may take up to six credit hours outside the program (non-CMN and STC prefix).

The thesis or applied project must demonstrate intellectual ability, academic ability and professional growth. The thesis is supervised and approved by the student's advisor and committee. An oral defense is required for the thesis. The applied project is supervised by the student's advisor. The achievements or results of the applied project should be made available to the public in the form of a presentation, poster, report or other form negotiated with the faculty advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if faculty members are not available, then the applicant may submit letters of recommendation from individuals in supervisory or professional roles.

**Career Opportunities:** The Master of Arts degree program in communication studies helps prepare graduates for jobs in corporate communication, journalism, mass media, politics, higher education or a wide range of other fields. Graduates already employed may find the skills they acquired through the program are helpful for career advancement; some leadership positions require a master's degree. Those interested in changing careers may pursue a master's in a communication studies to align with their particular professional goals. This master's degree can also prepare graduates for doctoral studies in which they will conduct research or a career in higher education educating students.

Career examples include:

- academic: nontenure track (e.g., lecturer, admission director, academic advisor)
- academic: tenure-track (e.g., instructor, professor at community college, university)
- fundraising manager
- human resources manager
- internal communications manager
- journalist
- learning and development analyst
- marketing account executive, consultant or research analyst
- political campaign manager
- sales account executive
- speechwriter
- technical communication specialist
- web producer

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/communication-studies-ma-degree
FAB N100
ncgradadvising@asu.edu
602-543-3000

## English, MA (ASENGLMA)

**Online Degree Search Title:** English, MA
**Campus:** West

**Program Description:** The MA degree program in English addresses the many facets of English: its literatures; its linguistic, social and cultural histories; and its capacities for persuasion, exposition and elucidation.

The program is grounded in scholarly tradition but designed for the demands of today's world. Its innovative curriculum has been developed to train present and future educators as well as individuals pursuing careers in the wide variety of professions that value advanced critical thinking, research and communication skills.

The world-class faculty is ready to help enhance students' skill set and deepen their knowledge base, preparing the student to put the Master of Arts in English degree to work in their chosen profession.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Science, BAS
Communication, BS
Communication, BA
Disability Studies, BA
English, BA
Gender, Women and Sexuality Studies, BS
History, BA
Interdisciplinary Arts and Performance, BA
Interdisciplinary Arts and Sciences, BA
Latin American Studies, BA
Philosophy, Religion and Society, BA
Social and Cultural Analysis (American Studies), BA
Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA
Social and Cultural Analysis (Latin American Studies), BA
Social and Cultural Analysis (Peace Studies), BA
Social and Cultural Analysis (Queer and Sexuality Studies), BA
Social and Cultural Analysis (Women and Gender Studies), BA
Spanish, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**

30 credit hours including the required capstone course (ENG 597).
Required Core (6 credit hours)
ENG 502 Contemporary Critical Theories (3) or MAS 505 Theories of Change, Culture and Mind (3)
ENG 582 Pedagogy (3)

Electives or Research (12 credit hours)
ENG 500 Research Methods (3)
ENG 591 Seminar (3)
ENG or LIN courses (6)

Open Elective or Research Courses (9 credit hours)

Culminating Experience (3 credit hours)
ENG 597 Graduate Capstone Seminar (3)

Additional Curriculum Information
For electives or research, students should see the academic unit for the approved course list from ENG and LIN courses through New College. ENG 500 is a required research course for all students and must be included in the plan of study.

For the open elective or research courses, nine credit hours can be selected from ENG coursework offered by New College faculty. Students who wish to take ENG courses offered by faculty outside of New College, or courses with a non-ENG prefix, must first receive approval from the program director.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should describe the educational background, scholarly interests and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if such faculty are not available, then recommendation letters from individuals in supervisory or professional roles are acceptable.

**Career Opportunities:** The ability to influence and motivate behavior through the power of well-crafted language is a skill valued in every industry dependent upon customers, employees, suppliers or investors.

Graduates with a master's degree in English are able to use language to accomplish organizational goals; utilize advanced critical thinking abilities and advanced skills for clear and effective verbal communication; construct well-supported and persuasive arguments; and perform complex textual analysis. They are knowledgeable about historical trends in written discourse, have an awareness of the role of literary discourse in broader social and historical contexts, and have the ability to engage in big picture thinking.

Career fields are many and varied. Examples include:

- business communication
- community college teaching
- editing
- grant writing
- journalism

- nonprofit consulting
- public relations
- publishing
- secondary education and continuing education
- technical writing
- web (content management, social media management)

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/advising/graduate/english-masters-degree
FAB N100
ncgradadvising@asu.edu
602-543-3000

## Forensic Psychology, MS (ASFPSYMS)

**Online Degree Search Title:** Forensic Psychology, MS
**Campus:** Online

**Program Description:** The MS degree program in forensic psychology provides working professionals with an understanding of mental health issues and human behavior with respect to crime and the criminal justice and legal systems.

The curriculum involves specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders, and legal decision-making. Students learn about the various roles for psychologists in the legal system, helping them discover which roles they might like to pursue through careers in mental health, criminal justice or through additional graduate training.

Graduates are not license-eligible for clinical practice but are well prepared to pursue advanced degree and continuing education programs in counseling and related fields.

**Degree Requirements:**
33 credit hours including the required capstone course (PSY 549).
Required Core (15 credit hours)
PSY 544 Advanced Psychology of Criminal Investigation (3)
PSY 545 Advanced Legal Psychology (3)
PSY 546 Advanced Forensic Psychology (3)
PSY 547 Advanced Correctional Psychology (3)
PSY 573 Psychopathology (3)

Electives (9 credit hours)

Statistics and Methods (3 credit hours)
PSY 514 Fundamentals of Forensic Psychology Research (3)

Criminal Justice System Courses (3 credit hours)
Choose one of the following:
CRJ 501 Seminar in Criminal Justice (3)
CRJ 513 Seminar in Courts and Sentencing (3)

Culminating Experience (3 credit hours)
PSY 549 Capstone in Forensic Psychology (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology, criminal justice, social science or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- one letter of recommendation

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must provide evidence of successful completion of an undergraduate or graduate social science statistics and research methods course.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-forensic-psychology/) for program descriptions and to request more information.

**Career Opportunities:** The MS in forensic psychology opens the door to a wide variety of careers. The field of forensic psychology offers many career options, from consulting on public policy to working within the criminal justice system. Many forensic psychologists will work in the court system in order to help lawyers, judges and juries better understand the motivations behind criminal behavior. Some graduates choose this path to advocate on behalf of underserved populations, including African Americans, Latinos, those from lower economic areas, children, or those with mental illness.

Career examples include:

- correctional counselor
- crime analyst
- forensic research psychologist
- forensic social worker
- investigative journalist
- jail supervisor
- jury consultant
- police consultant
- probation officer
- victim advocate

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Interdisciplinary Forensics
https://newcollege.asu.edu/advising/graduate/forensic-psychology-online
FAB N101
NCGradOnline@asu.edu
602-543-3000

## Forensic Science, PSM (ASFRSCIPSM)

**Online Degree Search Title:** Forensic Science, PSM
**Campus:** Online

**Program Description:** The PSM program in forensic science readies students for career advancement by providing them with greater educational depth and breadth in the forensic sciences and helps them develop new competencies related to laboratory supervision. This includes an understanding of how to work with regulatory bodies that provide the framework for oversight in forensic laboratories, consistent with the guiding principles of the National Professional Science Master's Association.

Students develop deeper scientific inquiry skills in biology, chemistry, genetics and related topics, as well as critical laboratory leadership skill sets.

Successful graduates are armed with the tools and experiences required for administrative and other advancement opportunities both within and beyond the forensic science laboratory in both governmental and private sectors.

**Degree Requirements:**
30 credit hours including the required applied project course (FOR 593).
Required Core (9 credit hours)
FOR 525 Forensic Science and Governance (3)
FOR 550 Ethics in Forensic Science (3)
FOR 565 Laboratory Leadership, Policy and Practice (3)

Other Requirement (18 credit hours)
FOR 501 Forensic Toxicology (3) or FOR 532 Principles of Pharmacology (3)
FOR 502 Forensic Botany (3) or FOR 503 Forensic Entomology (3)
FOR 540 Advanced Topics in Human Forensic DNA Typing (3)

FOR 560 Quantitative Methods in Forensic Science Research (3), BMI 515 Applied Biostatistics in Medicine and Informatics (3) or HCD 501 Biostatistics and Data Management (3)
FOR 592 Research (3)
PSY 546 Advanced Forensic Psychology (3) or CRJ 537 Criminal Procedure of Investigations for Social and Forensic Scientists (3)

Culminating Experience (3 credit hours)
FOR 593 Applied Project (3)

Additional Curriculum Information
Other Requirement courses may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in an appropriate physical, biological, computer science or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should describe the applicant's educational background, scholarly interests, and academic and professional goals.

It is preferred that the letters of recommendation be from individuals in supervisory or professional roles.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/forensic-science-psm/) for program descriptions and to request more information.

**Career Opportunities:** The Master of Professional Science program in forensic science provides practicing professionals (in science and forensic science, criminalistics, medical examiner offices, office personnel, law enforcement, and the legal community) with leadership training in the field of forensic science. Once the program is completed, graduates will have the skills and experience to pursue a new career path or to advance in their current careers. Graduates with a master's degree in forensic science have or have gone on to careers that include jobs such as:

- biomedical researcher
- crime scene investigator
- crime or forensic laboratory director, manager, and supervisor
- forensic anthropologist
- forensic engineer
- forensic nurse
- forensic scientist
- forensic toxicology
- law enforcement officer or supervisor
- military personnel
- pharmaceutical researcher

Some graduates also go onto professional schools and further graduate education, including in PhD programs.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Interdisciplinary Forensics
https://newcollege.asu.edu/advising/graduate/forensic-science-psm-online
FAB N101
NCGradOnline@asu.edu

602-543-3000

# Interdisciplinary Studies, MA (ASINTERMA)

**Online Degree Search Title:** Interdisciplinary Studies, MA
**Campus:** West

**Program Description:** The MA degree in interdisciplinary studies is an innovative program that allows students to combine the study of two or more disciplines for their program of study. Founded on the conviction that solving today's problems often requires an interdisciplinary approach, this flexible program provides exposure to a variety of research methods, interdisciplinary perspectives, modes of inquiry and practice.

The program consists of three required MAS courses, six courses of the student's choice and a capstone the final semester, and gives students access to faculty members who are active practitioners of interdisciplinary inquiry. Working with the faculty, students may define their own area of emphasis or adopt an existing area within the humanities, arts and social sciences.

The skills and knowledge that students acquire can be directed toward doctoral study or professional goals in any enterprise that engages in research, entrepreneurship or education.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Applied Science, BAS
- Communication, BA
- Communication, BS
- English, BA
- Gender, Women and Sexuality Studies, BS
- History, BA
- Interdisciplinary Arts and Performance, BA
- Interdisciplinary Arts and Sciences, BA
- Philosophy, Religion and Society, BA
- Political Science, BS
- Political Science, BA
- Psychology, BS
- Psychology, BA
- Social and Behavioral Sciences, BA
- Social and Behavioral Sciences, BS
- Sociology, BA
- Sociology, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (MAS 585).
Required Core (9 credit hours)
MAS 501 Methods for Interdisciplinary Inquiry (3)
MAS 502 Perspectives in Interdisciplinary Studies (3)
MAS 505 Theories of Change, Culture and Mind (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)
MAS 585 Capstone Course (3)

Additional Curriculum Information
The core courses are designed as a sequence and are meant to guide students through the program, from learning about interdisciplinarity to practicing interdisciplinary research. Therefore, students are required to take each of the core courses the first time that they are available while the student is enrolled in the program.

For electives, students work with a faculty mentor to select 18 credit hours of graduate-level coursework that helps prepare them for their capstone course or reflects particular areas of specialty or interest.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and

Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should describe the applicant's educational background, scholarly interests, and academic and professional goals.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well, but if faculty are not available, then the recommendations are to be from individuals in supervisory or professional roles.

**Career Opportunities:** The program's emphasis on a variety of research methods and modes of inquiry increases students' value to many organizations. As graduates, they reach their professional goals in a multitude of industries and organization, including advertising and marketing, nonprofit leadership and media production, museum curatorship, community college teaching and leading-edge entrepreneurship.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- archivists
- art therapists
- education administrators
- film and video editors
- high school teachers
- human resources managers
- market research analysts and marketing specialists
- multimedia artists and animators
- professors

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/advising/graduate/interdisciplinary-studies-ma
FAB N100
ncgradadvising@asu.edu
602-543-3000

## Interdisciplinary Studies (Interdisciplinary Arts and Performance), MA (ASIDSIPMA)

**Online Degree Search Title:** Interdisciplinary Studies (Interdisciplinary Arts and Performance), MA
**Campus:** West

**Program Description:** The MA degree in interdisciplinary studies is an innovative program in which students can combine the study of two or more disciplines for their program of study. The concentration in interdisciplinary arts and performance enables students to engage the study of interdisciplinary art practices and theories from a perspective developed over decades of New College's undergraduate interdisciplinary arts and performance major.

Throughout the curriculum, interdisciplinary arts are outwardly and continually inclusive, expanding, evolving and innovative, empowering students to shape and direct their creative pathways. Students engage in a deeper collaborative investigation of multiple artistic disciplines, interacting with theoretically advanced studies in visual, sonic and performance arts to become versatile artists and art scholars, preparing them for the complex and changing world through current approaches to aesthetic innovation.

The program gives students access to faculty members who are active practitioners of interdisciplinary inquiry. Working with the faculty, students may define their own areas of artistic practices.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Interdisciplinary Arts and Performance, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (MAS 585).
Required Core (9 credit hours)
MAS 501 Methods for Interdisciplinary Inquiry (3)
MAS 502 Perspectives in Interdisciplinary Studies (3)
MAS 505 Theories of Change, Culture and Mind (3)

Concentration (9 credit hours)
IAP 560 Composition: Process, Technique and Style (3)
IAP 569 Digital Graphic Applications (3)
IAP 570 Language, Culture and Performance (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)
MAS 585 Capstone Course (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences. Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution. Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admissions application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- art portfolio
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The art portfolio could include digital examples of work created or links to digital archives of work performed or exhibited.

The personal statement should describe the educational background; artistic studies and experience; artistic and scholarly interests; and the aesthetic, academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well, but if faculty are not available, then from individuals in supervisory or professional roles is acceptable.

**Career Opportunities:** The skills and knowledge that graduates possess can be directed toward doctoral study or professional goals in any enterprise that engages in research or education, and they may enter many different career fields including:

- arts administrator
- arts educator (community college, K-12)
- arts writer, scholar and critic
- composer and sound artist
- digital designer
- film and video editor
- performance and theatre artist

- recording artist
- video and board game designer
- visual artist in multiple mediums

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/masters-degrees-phds/majorinfo/ASIDSIPMA/graduate/false/58
FAB N100
ncgradadvising@asu.edu
602-543-3000

## Law and Psychology, PHD (ASLPSYPHD)

**Online Degree Search Title:** Law and Psychology, PhD
**Campus:** Downtown Phoenix, West

**Program Description:** The PhD program in law and psychology takes a broad interdisciplinary approach to train a new generation of scholars. The program combines rigorous training in the law and psychology field with training in advanced research methodology and statistics, criminological theory, and contextual training in other subfields of psychology.

The goal is for students to use this knowledge to tackle the many important but understudied areas within the legal system which are in desperate need of empirical psychological research.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (21 credit hours)
PSY 515 Quantitative Analysis I (3)
PSY 516 Quantitative Analysis II (3)
PSY 517 Quantitative Analysis III (3)
PSY 544 Advanced Psychology of Criminal Investigation (3)
PSY 545 Advanced Legal Psychology (3)
PSY 546 Advanced Forensic Psychology (3)
PSY 550 Advanced Social Psychology (3)

Required Professional Development (3 credit hours)
PSY 591 Seminar: Professional Issues in Law and Psychology (3)

Electives (33 credit hours)

Required Research (15 credit hours)
PSY 500 Research Methods (3)
PSY 792 Research (12)

Culminating Experience (12 credit hours)
PSY 799 Dissertation (12)

Additional Curriculum Information
Students are required to take 15 credit hours of research coursework and 36 credit hours of elective coursework.

When approved by the student's supervisory committee and Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives and research.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology, criminal justice, social science, or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee

- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Graduates are sought-after for their unique skill sets melding the complexities of law and justice with human behavior. Careers can be pursued in government, academia or private enterprise.

Career examples include:

- academic researcher or instructor as a college or university professor
- criminal justice data analyst
- government or nonprofit researcher and evaluator
- legal policy researcher and evaluator
- legal or trial consultant
- mental health policy analyst or consultant
- postdoctoral research fellow

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Interdisciplinary Forensics
https://lawpsych.asu.edu/law-and-psychology-phd
FAB N101
ncgradadvising@asu.edu
602-543-3000

## Psychology, MS (ASPGSMS)

**Online Degree Search Title:** Psychology, MS
**Campus:** West, Online

**Program Description:** The MS degree program in psychology, offered by the New College of Interdisciplinary Arts and Sciences, is available in two modalities (campus immersion or online) with different culminating experience options (thesis, applied project or capstone).

The campus immersion option is ideal for students who plan to pursue doctoral work or careers that involve psychological research methods such as marketing research, education research analysis, public policy analysis, research project management or program evaluation. The program is intensive and research-oriented, and it culminates in a thesis or applied project. Students receive training in advanced research methodology and statistical analysis, grant proposal writing, laboratory instrumentation, data collection and manuscript development. Students gain first-hand exposure to designing and conducting research, analyzing data and developing presentations and manuscripts. Students are encouraged to present research reports at professional meetings and conferences and to publish as co-authors in faculty-guided research.

The online program option gives students and working professionals an understanding of psychological theory and empirical research findings as they relate to human behavior, cognition, emotion and attitudes. The coursework is designed to help students learn about the various roles of psychologists in society today and discover which they might like to pursue through careers in education, social service, for-profit and nonprofit organizations, management or through additional graduate training. The online program culminates with a capstone course.

Both options offer elective courses in several areas, including abnormal psychology, affective science, behavior analysis, cognitive psychology, developmental psychology, health psychology, legal psychology, psychophysiology and social psychology.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Psychology, BS
Psychology, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
36 credit hours and a thesis, or 36 credit hours including the required applied project course (PSY 593), or 36 credit hours including the required

capstone course (PSY 553), or 36 credit hours including the required capstone course (PSY 553) - Mandarin Pathway.
Required Core (3 credit hours)
PSY 502 Professional Issues in Psychology (3)

Research and Statistics for Campus Immersion (15 or 18 credit hours)
PSY 500 Research Methods (3)
PSY 515 Quantitative Analysis I (3)
PSY 516 Quantitative Analysis II (3)
PSY 517 Quantitative Analysis III (3)*
PSY 592 Research (6)

*PSY 517 is only required for students completing a thesis.

Foundation, Research and Statistics for Digital Immersion (21 credit hours)
PSY 500 Research Methods (3)
PSY 513 Fundamentals of Quantitative Research (3)
foundation courses (15)

Electives (9 or 12 credit hours)

Culminating Experience (3 or 6 credit hours)
PSY 553 Capstone in General Psychology (3)
PSY 593 Applied Project (6)
PSY 599 Thesis (6)

Additional Curriculum Information
The Master of Science in psychology is delivered in-person and online through digital immersion. The capstone course option is only for students in the online program and the Mandarin pathway. Thesis and applied project options are for in-person program students.

The thesis option is intended for students who are interested in later gaining admission to a doctoral program. This option has hands-on experience with research and in-depth learning on advanced quantitative analysis. Thesis students complete a written and oral prospectus before proceeding to their thesis research which they must defend before a committee. Thesis students complete 18 credit hours of Research and Statistics and nine credit hours of electives.

The applied project option provides students who are interested in pursuing a professional career in research with sufficient methodology and statistic skills to enhance their professional career opportunities. Applied project students also complete a written research proposal that is reviewed by their advisor and one additional committee member. Applied project students complete 15 credit hours of Research and Statistics and complete 12 credit hours of electives.

Capstone course online options (English and Mandarin) provide students who are interested in professional development the necessary communication and methodology skills to advance in their chosen career. Students in the capstone must write a literature review paper on a research topic of their choice. Capstone course students complete 21 credit hours of Foundation, Research, and Statistics Coursework. They complete nine credit hours of electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program. Priority is given to applicants who have achieved a 3.25 GPA or higher.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- proof of English proficiency
- GRE scores (optional)

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

At the time of application, students must identify the culminating experience that they wish to pursue. Students applying to the capstone course option are only considered for the online program. Students applying to the thesis or applied project option are only considered for the in-person program.

Applicants must provide evidence of successful completion of an undergraduate, or graduate, social science statistics and research methods course. Typically, these pre-requisite courses should be in a social science field; however, applicants may apply with courses outside of a social science field.

The statement of purpose should describe the educational background, scholarly interests and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if these are not available, then recommendations should be from individuals in supervisory or professional roles. Two letters of recommendation are required. However, for the in-person program, three letters of recommendation are strongly recommended.

Applicants to either modality of the Master of Science in psychology program are not required to submit a GRE score. Applicants to the in-person program who feel that their GPA and academic record are not reflective of their current ability are strongly recommended to provide a GRE score.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-psychology/) for program descriptions and to request more information.

**Career Opportunities:** The Master of Science degree program in psychology is specialized to prepare students for admission into doctoral programs in psychology in areas that include clinical or counseling, social, cognitive and developmental specialties.

Graduates may pursue professional research careers in education, health care or marketing. Though this program is not designed to prepare students for clinical practice, graduates may pursue a clinical internship and additional coursework to prepare for licensure exams.

Career examples include:

- community health workers
- health educators
- market research analysts and marketing specialists
- medical and health services managers
- mental health counselors
- psychology teachers, postsecondary
- social and human service assistants
- social and community service managers
- social science research assistants

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/psychology-ms
FAB N100
ncgradadvising@asu.edu
602-543-3000

## Psychology (Positive Psychology), MS (ASPGSPPMS)

**Online Degree Search Title:** Psychology (Positive Psychology), MS
**Campus:** West, Online

**Program Description:** The MS program in psychology with a concentration in positive psychology, offered by the New College of Interdisciplinary Arts and Sciences, prepares students to apply their knowledge and skills to find meaning and fulfillment in their own lives, as well as to contribute to transformational practices in communities and organizations that can lead to optimal well-being and more harmonious, equitable and inclusive societies.

Through the lens of historical and contemporary research in positive psychology, students in the program gain a solid grounding in the basic tenets of the field, the methodologies employed, and the development and effectiveness of interventions that seek to improve peoples¿ lives and enable them to thrive. Coursework emphasizes a theoretical, evidence-based and experiential focus on key factors contributing to psychological well-being and optimal functioning, such as gratitude, joy, love, optimism, inspiration, compassion, creativity, resilience and mindfulness.

**Degree Requirements:**

36 credit hours including the required capstone course (PSY 553).
Required Core (3 credit hours)
PSY 502 Professional Issues in Psychology (3)

Research (6 credit hours)
PSY 500 Research Methods (3)
PSY 513 Fundamentals in Quantitative Methods (3)

Concentration (15 credit hours)
PSY 550 Advanced Social Psychology (3)
PSY 565 Psychology of Mindfulness (3)
PSY 577 Advanced Developmental Psychology (3)
PSY 585 Advanced Positive Psychology (3)
PSY 586 Emotion (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)
PSY 553 Capstone in General Psychology (3)

Additional Curriculum Information
Students are enrolled in a section of PSY 553 designated specifically for the positive psychology concentration. The capstone project requires students to synthesize and organize the prior research related to a positive psychology intervention, identify a gap in the prior research, and develop a research study proposal that addresses the identified gap.

**Admission Requirements:** Applicants must fulfill the requirement of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must provide evidence of successful completion of an introductory psychology course, as well as a statistics course and a research methods course. Typically, these prerequisite courses should be in a social science field; however, applicants may apply with courses outside of a social science field.

The statement of purpose should describe the educational background, scholarly interests and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if these are not available, then recommendations should be from individuals in supervisory or professional roles.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/positive-psychology-masters/) for program descriptions and to request more information.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) is possible for graduate students, and it allows students in the psychology program to stand out in many career fields. Students are exposed to unique differences in the human condition worldwide, are able to improve language and cross-cultural skills for effective communication, and are challenged to adapt under new social and cultural circumstances.

There are more than 50 program opportunities, with programs on every continent. Faculty-directed programs tend to be the best fit for graduate

students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

**Career Opportunities:** Graduates leave this program with an in-depth understanding of this growing field. They may pursue professional research careers in psychology, education, health care or marketing. In addition, the positive psychology coursework benefits graduates working in supervisory or management positions, training or teaching roles, or in any social services profession.

Careers benefitting from the positive psychology concentration include:

- equity and inclusion officer
- individual life coach
- positive coach in sports or organizations
- positive psychology research assistant
- social and community services manager

Graduates can also find careers in the following industries (example job titles in parentheses):

- business (sales and marketing manager, human resources manager, employee assistance program manager)
- community health and wellness professions (prevention specialist, youth development specialist, community health educator)
- education (high school psychology teacher, character strengths educator)
- government (health and wellness policy specialist, state department of public health or mental health program coordinator)
- social services (family interventionist, warm line worker, occupational analyst)

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu
FAB N100
NCGradAdvising@asu.edu
602-543-3000

## Social Justice and Human Rights, MA (ASJHRMA)

**Online Degree Search Title:** Social Justice and Human Rights, MA
**Campus:** West, Online

**Program Description:** Students in the MA program in social justice and human rights explore key topics, such as labor, migration, education and the environment, and the legal, political, historical and cultural frameworks that contextualize them. The program is well suited to those aiming to channel their interests and passions toward ethical responses to social injustice and human rights abuses.

Students may focus on specific issues in international or domestic contexts, including refugee resettlement, immigration and citizenship, human trafficking, racialized violence, and international human rights law and organizations. In theoretically and methodologically rigorous courses taught by experienced faculty from various disciplines, students develop understanding of how social justice and human rights issues are defined by multiple and intersecting forms of inequality and social identity, including gender, race, ethnicity, class, sexuality and nationality.

Many students complete internships domestically or internationally, with interns typically working alongside other researchers and advocates for social justice in order to grasp the complexities of the issues and to hone their abilities to work effectively in both research and advocacy contexts. Internships may also inform the basis of the culminating experience: a traditional Master of Arts thesis, an applied project or a capstone course.

Students gain deeper insight into the theory and practice of social justice, human rights and humanitarian efforts, and they develop practical skills in research and grant writing.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Science, BAS
Biology, BA
Communication, BS
Communication, BA
English, BA
Environmental Science, BA
Gender, Women and Sexuality Studies, BS
History, BA
Interdisciplinary Arts and Performance, BA

Interdisciplinary Arts and Sciences, BA
Latin American Studies, BA
Philosophy, Religion and Society, BA
Political Science, BA
Political Science, BS
Psychology, BA
Psychology, BS
Social Justice and Human Rights, BA
Social and Behavioral Sciences, BA
Social and Behavioral Sciences, BS
Social and Cultural Analysis (American Studies), BA
Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA
Social and Cultural Analysis (Latin American Studies), BA
Social and Cultural Analysis (Peace Studies), BA
Social and Cultural Analysis (Queer and Sexuality Studies), BA
Social and Cultural Analysis (Women and Gender Studies), BA
Sociology, BA
Sociology, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (JHR 593), or 30 credit hours including the required capstone course (JHR 549).
Required Core (6 credit hours)
JHR 501 Proseminar in Social Justice and Human Rights (3)
JHR 502 Foundations in Social Justice and Human Rights (3)

Professional Development (3 credit hours)
JHR 506 Grant Writing for Social Justice and Human Rights (3)
JHR 515 Power and Inequality in Academia and Activism (3)
JHR 584 Internship (3)

Research (6 credit hours)
JHR 500 Research Methods (3)
JHR 525 Critical Methodologies in Social Justice & Human Rights (3)

Social Justice and Human Rights Thematic Courses (9 or 12 credit hours)
JHR 503 Gender Based Violence and Sex-Trafficking (3)
JHR 504 International Law and Organizations (3)
JHR 505 Migration, Asylum and Refugees (3)
JHR 510 Problem-Based Seminar in Social Justice and Human Rights (3)
JHR 540 Critical Humanitarianism (3)
JHR 550 Global Justice (3)
JHR 598 Racial Justice (3)

Culminating Experience (3 or 6 credit hours)
JHR 549 Capstone in Social Justice and Human Rights (3) or
JHR 593 Applied Project (6) or
JHR 599 Thesis (6)

Additional Curriculum Information
Campus students pursuing JHR 593 or JHR 599 will complete 9 credit hours of Social Justice and Human Rights Thematic Coursework. All online students and campus students selecting JHR 549 Capstone in Social Justice and Human Rights will complete 12 credit hours.

Course availability will be dependent on semester and modality. MA Social Justice and Human Rights students will select Professional Development and Social Justice and Human Rights Thematic Courses based on academic and professional interests as well as course availability.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited

institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should describe the applicant's educational background, scholarly interests and academic and professional goals.

It is preferred that letters of recommendation be from faculty members who know the applicant's work well; if these are not available, letters of recommendation from individuals in supervisory or professional roles will be accepted. If letters of recommendation from two faculty members are not available, then it is strongly preferred that at least one letter be from a faculty member.

A writing sample is recommended but not required for students applying to the digital immersion program. If the applicant does not meet the minimum GPA requirements, the application may still be considered.

Applicants should see the program website for application deadlines.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/social-justice-and-human-rights-ma/) for program descriptions and to request more information.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent. Faculty-directed programs tend to be the best fit for graduate students; taking courses with ASU professors during the summer or during academic breaks offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning. More information is available on the Global Education Office (https://goglobal.asu.edu/students/graduate-students) website.

**Career Opportunities:** Graduates with a master's degree in social justice and human rights can begin or advance their careers in advocacy work in nonprofit or government agencies, humanitarian work, international law and advocacy, as well as in careers that enable them to address forced migration, trafficking, and gender-based or racialized violence.

Career examples include:

- advocate or lobbyist
- community organizer
- grant writer
- humanitarian aid worker
- policy analyst or researcher
- program officer
- public defender
- social justice specialist or consultant
- social service worker

Graduates from this program are well poised to pursue additional graduate education, such as law school or doctoral programs.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/social-justice-and-human-rights-ma
FAB N100
ncgradadvising@asu.edu

602-543-3000

# Social Technologies, MA (ASSTCMA)

**Online Degree Search Title:** Social Technologies, MA
**Campus:** West, Online

**Program Description:** The MA degree program in social technologies is for those interested in the ways new kinds of social data introduce challenges and opportunities to society.

The program combines a thorough grounding in digital social science with the skills needed for engaging in the analysis of social data. This unique combination provides graduates with the ability to understand and contribute to creating ethical social platforms. They are also well positioned to advise institutions, businesses and government agencies on appropriate policies, and to draw on large-scale trace data to help address significant social issues.

The rapid shift toward algorithmic structures of social interaction represents one of the most significant challenges to society, and the questioning of equity, privacy and autonomy has become a recurring theme running through many modern social problems. These technologies also may provide the keys for addressing substantial social issues. The critical analysis of these socio-technical systems requires both technical abilities and an understanding of social theory.

ASU offers a Master of Arts in social technologies for those interested in engaging research at the intersection of data and society, preparing them to become leaders in social data science. Students in the program work through a series of courses that provide a grounding in social theory and digital research methods as well as opportunities to apply that knowledge to social issues.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biology, BA
Environmental Science, BA
Psychology, BS
Psychology, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including a thesis, or 33 credit hours including the required capstone course (STC 570).
Required Core (27 credit hours)
STC 501 Theories of Data and Society (3)
STC 510 Data Wrangling (3)
STC 512 Data, Places, People and Things (3)
STC 527 Ethics and Policies of Social Data (3)
STC 536 Networked Publics (3)
STC 537 Technologies of Community (3)
STC 539 Social Search and Filtering (3)
STC 550 Computational Social Methods I (3)
STC 551 Computational Social Methods II (3)

Other Requirements (0 or 3 credit hours)
STC 528 Communicating Data Science (3)

Culminating Experience (3 or 6 credit hours)
STC 570 Social Data Projects (3) or
STC 599 Thesis (6)

Additional Curriculum Information
Students complete either a three credit hour capstone course (STC 570 Social Data Projects) or a six credit hour thesis (STC 599). Students who choose to complete the capstone course also complete STC 528.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited

institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- an academic writing sample (preferred) or professional writing sample
- GRE scores (optional)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The statement of purpose should describe the educational background, scholarly interests and academic and professional goals of the applicant.

GRE scores are recommended, but not required for all applicants. Applicants who have a GPA of less than 3.00 in the last 60 credit hours of the bachelor's degree are strongly encouraged to provide GRE scores.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/social-data-science/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the Master of Arts program in social technologies should be well-positioned for research roles in businesses, nonprofits and government organizations, working with organizations to help them make ethical and effective use of social data, consulting on broader issues of social change and networked technologies. They also may continue on to doctoral work in cognate fields.

The program deliberately seeks to be more reflective of the diversity of those who are affected by datafication and actively promote the careers of professionals who are underrepresented in data-related fields.

Career examples include:

- chief information officer
- communications director
- community manager
- data journalist
- intelligence or policy analyst
- program or project manager
- public affairs specialist
- social media manager
- social strategist
- research and data analyst

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/
FAB N100
ncgradonline@asu.edu
602-543-3000

## Journalism and Mass Communication, Walter Cronkite School of

### Digital Audience Strategy, MS (CSDASMS)

**Online Degree Search Title:** Digital Audience Strategy, MS
**Campus:** ASU at Los Angeles, Online
Admission to this program is limited to students who do not have an undergraduate degree or minor in digital audiences.
**Program Description:** The MS program in digital audience strategy prepares students to design and execute digital strategies that connect audiences to goals through a data-driven, multidisciplinary, hands-on curriculum.

Students learn to measure and analyze how consumers interact with content online, on social media and on mobile devices. Using those measurement skills, students develop strategies and tactics to grow audiences through search engine optimization, search engine marketing, paid and organic social media campaigns, and digital content creation. They work with real-world clients to develop, test and execute audience growth strategies in real time.

Through required coursework in ethics, media law and entrepreneurship, students learn to make ethical business decisions regarding consumer privacy, digital data security and community engagement. Through elective courses, students develop additional expertise in areas such as management, audience data and intellectual property.

Students graduate from the program ready to drive audience growth, lead digital marketing and further business development in the digital age.

Los Angeles location
In Los Angeles, this program is not currently eligible for federal financial aid. Students seeking federal financial aid assistance or veterans interested in using GI Bill® benefits should consider another ASU campus.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Journalism and Mass Communication, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (MCO 566).
Required Core (21 credit hours)
MCO 506 Media Law for Strategic Communication (3)
MCO 556 Media Entrepreneurship (3)
MCO 561 Defining the Digital Audience (3)
MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)
MCO 563 Social Media Campaigns and Engagement (3)
MCO 564 Digital Audience Research and Behavior (3)
MCO 565 Digital Audience Analytics (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
MCO 566 Digital Audience Management (3)

Additional Curriculum Information
For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in journalism, communications, public relations or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement of intent
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. TOEFL scores must be at least 100 for the TOEFL iBT.

In 300 to 500 words, the personal statement of intent should describe the applicant's interest in the Master of Science program in digital audience strategy, explain how previous academic or professional experience will inform the applicant's work in the program and how the program will help achieve personal or career goals of the applicant.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/digital-audience-strategy-ms/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Lead audience growth strategies using digital platforms.

•Use professional tools, technology, and techniques to develop audiences, content and behavior, and be prepared for analytics tasks in media careers.
•Use professional tools, technology, and techniques to create effective, strategic social media campaigns and be prepared for paid and organic social media work in media careers.

•Use professional tools, technology, techniques and audience research to create effective, optimized content and campaigns for search engines, and be prepared for paid and organic search engine work in media careers.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent. Students in this degree program may consider participating in programs that focus on cultural awareness, audience growth, digital marketing or social media. More information is available on the Global Education Office (https://goglobal.asu.edu/students/graduate-students) website.

**Career Opportunities:** The digital field is rapidly growing and true experts are highly sought after. The Master of Science program in digital audience strategy equips students with the knowledge and skills they need to launch a new career in digital marketing, content creation, social media and SEO. Graduates are empowered and ready to accelerate their current communications career, able to step into leadership positions to lead digital marketing and communications teams.

Careers in this field include:

- marketing associate
- marketing manager
- market research analyst
- SEO specialist

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csdasms/
CRONK 222
cronkitegrad@asu.edu
602-496-5055

## Digital Audiences (certificate), Certificate (CSDASGRCT)

**Online Degree Search Title:** Digital Audiences (Graduate Certificate)
**Campus:** ASU at Los Angeles, Online

**Program Description:** The graduate certificate in digital audiences prepares students to drive audience growth and engagement in any industry.

Students learn to measure and analyze how consumers interact with content online, on social media and on mobile devices. Using those measurement skills, students develop strategies and tactics to grow audiences through search engine optimization, search engine marketing, paid

and organic social media campaigns, and digital analytics.

This program is designed for professionals who want to develop new skills, take on new responsibilities or more effectively promote their work.

Los Angeles location
In Los Angeles, this program is not currently eligible for federal financial aid. Students seeking federal financial aid assistance or veterans interested in using GI Bill® benefits should consider another ASU campus.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Degree Requirements:**
15 credit hours.
Required Core (15 credit hours)
MCO 561 Defining the Digital Audience (3)
MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)
MCO 563 Social Media Campaigns and Engagement (3)
MCO 564 Digital Audience Research and Behavior (3)
MCO 565 Digital Audience Analytics (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in communications, political science, business or a related field from a regionally accredited institution. Admission to this program is limited to students who do not have an undergraduate degree or minor in digital audiences.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. TOEFL scores must be at least 100 for the internet-based TOEFL (iBT).

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/digital-audience-strategy-graduate-certificate/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Use professional tools, technology, and techniques to develop audiences, content and behavior, and be prepared for analytics tasks in media careers.
- •Use professional tools, technology, and techniques to create effective, strategic social media campaigns and be prepared for paid and organic social media work in media careers.
- •Use professional tools, technology, techniques and audience research to create effective, optimized content and campaigns for search engines, and be prepared for paid and organic search engine work in media careers.

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education website (https://goglobal.asu.edu/students/graduate-students).

**Career Opportunities:** Those with a graduate certificate in digital audiences can help advance knowledge of the digital sector. Students who complete the digital audiences graduate certificate are able to pursue careers in digital marketing, communications, digital strategy and social media.

Careers in this field include:

- digital marketer
- marketing associate
- market research analyst
- SEO specialist
- social media specialist

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csdasgrct/
CRONK 302
cronkitegrad@asu.edu
602-496-5055

## Investigative Journalism, MA (CSINVJOUMA)

**Online Degree Search Title:** Investigative Journalism, MA
**Campus:** Downtown Phoenix

**Program Description:** The MA program in investigative journalism prepares students to launch high-level investigative reporting careers at the world's most prestigious news organizations.

This program is designed for career switchers who have experience in fields such as law, health, business, government and the arts, and for early career and mid-career journalists who want to develop specialization in investigative techniques.

Students combine their existing knowledge with investigative reporting techniques, multimedia production skills and interdisciplinary research methods to produce storytelling with deep public impact.

**Degree Requirements:**
36 credit hours including the required capstone course (MCO 570).
Required Core (21 credit hours)
MCO 502 Journalism Skills (8)
MCO 503 Media Law (3)
MCO 510 Data Journalism (3)
MCO 530 History, Philosophy and Ethics of Journalism (3)
MCO 544 Accountability in Journalism (1)
MCO 545 Techniques of Investigative Reporting (3)

Research (6 credit hours)

Culminating Experience (9 credit hours)
MCO 570 Capstone Experience (9)

Additional Curriculum Information
Students must complete a total of eight credit hours of MCO 502, which is offered at variable credit hours and can be taken multiple times.

Students must complete six credit hours of interdisciplinary research methods courses offered under the MCO 591 course listing. Selection of these courses will require departmental approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any discipline or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- letter of intent
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants must receive a score of 100 (iBT) or better on the TOEFL.

Applicants should provide a 300- to 500-word statement describing interest in investigative journalism, career goals and how previous work and academic experience have prepared the student for success.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Evaluate the principles of journalism, such as accuracy, fairness, timeliness, diversity and privacy, and apply such principles to their course requirements. (Shared)

•Evaluate ethical, diversity, and legal standards relevant to the journalism industry and create culturally proficient communication. (Shared)

•Develop the tools, technology, and techniques for investigative reporting that adheres to accepted journalistic standards and practices, and which prepares them for high-level investigative reporting careers. (MAIJ only)

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education website (https://goglobal.asu.edu/students/graduate-students).

**Career Opportunities:** Investigative reporting is in high demand in news organizations of all sizes, and graduates of the Cronkite School's Master of Arts in investigative journalism program are uniquely prepared to excel in these positions, applying experience with investigative reporting techniques, data analysis and immersive storytelling using text, photo, video and audio content.

Graduates have accepted investigative positions at news organizations across the country and around the world, such as NPR, The Associated Press, Inside Climate News, the International Consortium of Investigative Journalists, OpenSecrets, Houston Chronicle, Dallas Morning News, and Arizona Center for Investigative Reporting.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csinvjouma/
CRONK 302
cronkitegrad@asu.edu
602-496-5555

## Journalism and Mass Communication, PHD (CSJMCPHD)

**Online Degree Search Title:** Journalism and Mass Communication, PhD
**Campus:** Downtown Phoenix

**Program Description:** The PhD program at the Walter Cronkite School of Journalism and Mass Communication is a highly individualized program that attracts seasoned media professionals transitioning to academia as well as recent graduates of master's degree-level journalism and communication and other related programs.

Students have access to the resources, training and mentorship they need to answer critical questions that challenge the fields of journalism, digital and social media, strategic communication and audience studies, and global mass communication.

The program is designed around core values of inclusion, collaboration and mentoring, transdisciplinarity and original research.

Students are able to develop individual programs of study, taking coursework and drawing on knowledge and methodologies from diverse fields that have a bearing on questions within mass communication. Examples include political science, film, computer and data sciences, sociology, anthropology and more.

At home in the Cronkite School, students work closely with faculty mentors and fellow students on collaborative projects as well as developing their own research program, and benefit from the advice and example of senior scholars for personalized guidance.

The ultimate goal of the program is to train scholars capable of identifying key questions, designing appropriate studies to investigate those questions, and conducting independent and impactful research. Students are exposed to a wide range of theories and methods so they can forge their own scholarly identity based on interests and aptitudes.

The Cronkite School is committed to creating an environment in which everyone feels they are represented, their experience is equitable, they are fully accepted for who they are, and that they are valued. The school strives daily to be a welcoming place for all members of the community, where the importance and contribution of each individual is valued and respected.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (18 credit hours)

Electives (18 credit hours)

Other Requirements (24 credit hours)
previous master's degree or additional hours approved by the supervisory committee (24)

Research (12 credit hours)

Dissertation (12 credit hours)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

Students entering the program with a master's degree in journalism or mass communication, or a related field must complete 60 credit hours of coursework. Students who are admitted to the program without a master's degree are required to complete an additional 24 credit hours of coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement of interest
- statement of research goals
- resume
- samples of scholarly work (optional)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. TOEFL scores must be at least 100 on the internet-based or a Duolingo score must be at least 120.

The personal statement of interest should be approximately 1,000-1,500 words and explain why the student wants to pursue a doctorate in mass communication as well as why the Cronkite School program fits their career and personal aims.

The statement of research goals should indicate at least two Cronkite research faculty members with whom the student would like to work, supported by relevant citations of the faculty members' scholarly publications.

Students should see the program website for application deadlines and admission terms. Applicants must meet all deadlines and application requirements to be considered.

The Cronkite School's doctoral committee reviews complete applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

**Career Opportunities:** Graduates with a doctorate in journalism and mass communication are prepared for any of a number of career opportunities.

Professionals with expertise in mass media and communications are in high demand as universities and institutions train the next generation of media professionals. Career examples include:

- industry researcher or trainer
- media analyst
- media consultant
- university professor

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csjmcphd/
CRONK 302
cronkitegrad@asu.edu
602-496-5555

## Mass Communication, MMC (CSMCOMMMC)

**Online Degree Search Title:** Master of Mass Communication, MMC
**Campus:** Downtown Phoenix

**Program Description:** The Walter Cronkite School of Journalism and Mass Communication's MMC degree program immerses students in the practices of journalism and strategic communications, preparing them for careers in news, documentary storytelling, advocacy, community engagement or corporate communications.

This 36 credit hour program begins with a multimedia boot camp, teaching students how to report and produce stories with text, photo, video and audio elements. In the second semester, students choose from a selection of more advanced courses, such as those focused on narrative writing, podcasting, advanced broadcast production, documentary production, health reporting, Spanish-language news, transborder coverage, public relations research, strategic communications storytelling and digital entrepreneurship.

The program culminates in a professional immersion experience in one of the Cronkite School's strategic communication labs or news bureaus in Los Angeles, Phoenix or Washington, D.C. Working under the guidance of award-winning journalists and strategists, these capstone programs offer real-world experience in a professional news or agency environment.

The cornerstone of the graduate program is the journalism school's professional programs:

Cronkite News Phoenix (https://cronkite.asu.edu/experiences/cronkite-news-phoenix/) --- Students report on topics such as sustainability, social justice, health, government and politics, producing a daily newscast on Arizona PBS, reaching 1.9 million households, and digital content for https://cronkitenews.azpbs.org (https://cronkitenews.azpbs.org), Cronkite News social platforms and partner sites across Arizona.

Cronkite News Washington D.C. (https://cronkite.asu.edu/experiences/cronkite-news-washington/) --- Students cover Congress, the White House and the U.S. Supreme Court for Cronkite News and partner newsrooms.

Cronkite News Los Angeles (https://cronkite.asu.edu/experiences/cronkite-news-la/) --- Students report for Cronkite News and partner with newsrooms from the second-largest media market in the country.

Cronkite Noticias (https://cronkite.asu.edu/experiences/cronkite-noticias/) --- Students produce Spanish-language news for digital and broadcast platforms in collaboration with Spanish-language media.

Carnegie-Knight News21 (https://cronkite.asu.edu/experiences/news21) --- Students produce major national investigations in partnership with newsrooms such as The Washington Post and NBCNews.com.

New Media Innovation and Entrepreneurship Lab (https://cronkite.asu.edu/experiences/new-media-innovation-entrepreneurship-lab/) --- Journalism,

engineering, design and business students work together to create cutting-edge digital products and launch new businesses.

Public Relations Lab (https://cronkite.asu.edu/experiences/public-relations-lab/) --- Students work in a strategic communications agency environment to develop campaigns for clients ranging from Fortune 500 companies to startups.

Digital Audiences Lab (https://cronkite.asu.edu/experiences/digital-audiences-lab/) --- Students work in a first-of-its-kind professional immersion program working with real clients to grow, engage and measure their audiences in real time.

This program is also offered as a dual MD/MMC degree with the Mayo Clinic. For more information, students should visit the dual degree website (https://cronkite.asu.edu/dual-degrees/md-mmc/).

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:
Legal Studies, MLS
Sustainability Solutions, MSUS

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Journalism and Mass Communication, BA
Sports Journalism, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (MCO 593)-Mid-Career, or 30 credit hours including the required capstone course (MCO 570)-Mid-Career, or 36 credit hours including the required capstone course (MCO 570)-Full Time.
Required Core (9 credit hours)
MCO 503 Media Law (3)
MCO 510 Data Journalism (3) or MCO 536 Public Relations Research (3)
MCO 525 21st-Century Media Organization and Entrepreneurship (3)

Electives (6 credit hours)

Other Requirements (12 credit hours)
MCO 502 Journalism Skills (8)
MCO 504 Cronkite Master's Seminar (1)
MCO 530 History, Philosophy and Ethics of Journalism (3) or MCO 519 Strategic Communications Leadership and Ethics (3)

Culminating Experience (3 or 9 credit hours)
MCO 570 Master of Mass Communication Capstone (3 or 9)
MCO 593 Applied Project (3)

Additional Curriculum Information
The master's degree program is a full-time, 36 credit hour program. Students with extensive professional journalism experience may be offered the opportunity to pursue the 30 credit hour mid-career option.

Students must complete a total of eight credit hours of MCO 502, which is offered at variable credit hours and can be taken multiple times.

Students should see the academic unit for a complete list of approved electives. Other requirement coursework may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement of interest (350 to 500 words in length)
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. TOEFL scores must be at least 100 for the internet-based examination.

The Cronkite School's graduate committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Evaluate the principles of journalism, such as accuracy, fairness, timeliness, diversity and privacy, and apply such principles to their course requirements. (Shared)

•Develop the tools, technology, and techniques for content creation that adheres to accepted journalistic standards and practices, and which prepares them for careers in media and communication. (MMC only)

•Evaluate ethical, diversity, and legal standards relevant to the journalism industry and create culturally proficient communication. (Shared)

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent. Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education website (https://goglobal.asu.edu/students/graduate-students).

**Career Opportunities:** The skills of strong reporting, research, writing and multimedia production are in high demand across industries, including in journalism, strategic communication, nonprofit leadership, international affairs, political advocacy and entrepreneurship.

Career examples include:

- digital strategist
- editor
- media executive
- photojournalist
- producer
- PR strategist
- reporter
- strategic communications leader
- videographer

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csmcommmc/
CRONK 302
cronkitegrad@asu.edu
602-496-5555

## Narrative and Emerging Media, MA (CSNEMMA)

**Online Degree Search Title:** Narrative and Emerging Media, MA
**Campus:** ASU at Los Angeles

**Program Description:** In the MA program in narrative and emerging media, students learn how to tell stories that aren't just watched or read --- they're experienced. In under one year, students learn innovative storytelling techniques, explore the emerging media marketplace, connect with the field's top professionals and develop critical media project management skills.

Through hands-on learning, students explore the entire landscape of emerging immersive media techniques including augmented reality, virtual reality, extended reality, 360 video, animated graphics, short-form digital video and documentary production to tell creative fictional stories or nonfiction journalistic work. Students capture and create content for workflow in multiple industries, and they learn to lead teams of producers, engineers, writers and artists across different technologies. They build business acumen too; enhanced insight on research, development, and the finance and business models driving the future of emerging media is central to the program.

Delivered exclusively at the ASU California Center --- Broadway, in downtown Los Angeles, the program immerses students in a state-of-the-art emerging media hub. The building includes a green screen studio that allows for virtual reality productions and live broadcasts, and a second Planar LCD studio, which allows for immersive film and video shoots. Students learn and work in these spaces to create compelling visual storytelling for client productions and their own passion projects.

Students engage in courses that anchor content creation and project management with communication theory and current case studies, along the way building a cohesive portfolio of professional work aligned with industry standards. Students also network and get critiques from industry professionals whose work may inspire their own. Students who complete the program are well-prepared to leap into creation, production and project management roles across the media industry, or pursue independent work.

This is a joint program offered by The Sidney Poitier New American Film School and the Walter Cronkite School of Journalism and Mass Communication.

Los Angeles location
In Los Angeles, this program is not currently eligible for federal financial aid, but generous scholarship assistance is available. Students seeking federal financial aid assistance or veterans interested in using GI Bill® benefits should consider a program on another ASU campus.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Degree Requirements:**
30 credit hours including the required applied project course (NEM 693).
Required Core (21 credit hours)
NEM 501 Emerging Media (3)
NEM 510 Narrative Development and Pre-Production (3)
NEM 515 Emerging Media Production (3)
NEM 530 Emerging Media Project Management (3)
NEM 550 Diversity and Ethics in Emerging Media (3)
NEM 585 Portfolio (3)
NEM 630 Emerging Media for Clients (3)

Other Requirements (3 credit hours)
NEM 520 AR/VR/XR for Storytelling (3)
NEM 525 Virtual Production for Storytelling (3)
NEM 601 Short Form and 360 Video Production (3)

Electives (3 credit hours)

Culminating Experience (3 credit hours)
NEM 593 Applied Project (3)

Additional Curriculum Information
NEM 585 is a one credit hour course that must be taken three times, for a total of three credit hours.

Students must complete one course from the Other Requirements list.

**Admission Requirements:** Applicants must fulfill the requirements of the Graduate College, the Walter Cronkite School of Journalism and Mass Communication and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Global Opportunities:**
Global Experience: Students may use elective slots to participate in applicable study abroad experiences. Students are also encouraged to pursue work globally for their applied projects.

**Career Opportunities:** This degree prepares students to thrive in a growing, emerging media industry. According to a Burning Glass industry report in tandem with Epic Games, "Demand for 3D technology skills is growing quickly in the job market --- so quickly, in fact, that demand for these skills is outpacing the growth of the labor market overall." And according to EMSI data, job postings requiring skills in virtual reality are at an all-time high, with more than 13,000 jobs posted in August alone for roles such as advertising specialists and product developers at firms from Facebook to Deloitte.

Graduates are well suited to careers in AR/VR/XR production, immersive storytelling, journalism and documentary production, and media project management, or to become entrepreneurial storytellers ready to seek funding for their own projects.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
The Sidney Poitier New American Film School
https://film.asu.edu/degree-programs/narrative-and-emerging-media?dept=392827&id=1
HEXB 510-512
cronkitegrad@asu.edu
602-496-5555

## Sports Journalism, MA (CSSPJMA)

**Online Degree Search Title:** Sports Journalism, MA
**Campus:** Downtown Phoenix

**Program Description:** Sports media is among the fastest-growing sectors of the media industry. The Walter Cronkite School of Journalism and Mass Communication's MA in sports journalism is a 36-credit-hour, three-semester program providing students with unparalleled preparation for careers in sports media and communication.

Students begin with intensive multimedia skills courses, which teach them to produce sports and news coverage across broadcast, digital and print platforms. From there, students choose advanced classes in sports reporting, videography, podcast production, live sports production, play-by-play delivery, narrative writing and documentary video, before finishing the program in sports bureaus located in Phoenix or Los Angeles or in the Cronkite Agency, an immersive strategic communications agency experience at the journalism school.

Students learn the values and principles embodied by Walter Cronkite in classes that focus on sports journalism ethics and media law, and they can complete the degree program in as little as 12 months.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Journalism and Mass Communication, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
36 credit hours including the required capstone course (MCO 570).

Required Core (15 credit hours)
MCO 503 Media Law (3)
MCO 510 Data Journalism (3)
MCO 526 Advanced Issues in 21st Century Sports and Media (3)
MCO 529 Ethics and Diversity in Sports Journalism (3)
MCO 540 Sports Reporting (3)

Electives or Research (3 credit hours)

Other Requirement (9 credit hours)
MCO 502 Journalism Skills (8)
MCO 504 Cronkite Master's Seminar (1)

Culminating Experience (9 credit hours)
MCO 570 Master of Mass Communication Capstone (9)

Additional Curriculum Information
Students must complete a total of eight credit hours of MCO 502, which is offered at variable credit hours and can be taken multiple times.

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement of interest (350 to 500 words in length)
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. TOEFL scores must be at least 100 for the internet-based examination.

The Cronkite School's graduate committee reviews complete and on-time applications on a rolling basis, with priority for admission and funding for applications received by December 1.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Evaluate the principles of journalism, such as accuracy, fairness, timeliness, diversity and privacy, and apply such principles to their course requirements. (Shared)

•Evaluate ethical, diversity, and legal standards relevant to the journalism industry and create culturally proficient communication. (Shared)

•Develop the tools, technology, and techniques for sports content creation that adheres to accepted journalistic standards and practices, and which prepares them for careers in sports media and communication. (MASJ only)

**Global Opportunities:**
Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent.

Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning.

Students can find more information on the Global Education Office (https://goglobal.asu.edu/students/graduate-students) website.

**Career Opportunities:** Expertise in the sports journalism field is in high demand across sports organizations, news networks and digital media outlets. The high-value takeaways and tactical skills gained in the sports journalism master's degree program turn students into competitive job candidates and sports journalism leaders.

Career opportunities for graduates with a sports journalism master's degree include:

- sports editor
- sports news reporter
- sports play-by-play announcer
- sports PR and strategic communications professional
- sports television reporter
- sports television and video producer
- team, league or conference reporter

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csspjma/
CRONK 302
cronkitegrad@asu.edu
602-496-5555

## Strategic Communication, MA (CSSTRCOMMA)

**Online Degree Search Title:** Strategic Communication, MA
**Campus:** Downtown Phoenix
This program will begin accepting applications for the Fall 2024 term.
**Program Description:** Students in the MA program in strategic communication gain the media skills, techniques, critical thinking skills and leadership capacity to advance careers across strategic communication in agencies, sports, corporations, government agencies and nonprofit organizations.

Students develop the ability to strategically address communication challenges through courses in strategy development, research methods, content creation, crisis communication, ethics, campaign planning, and others; courses in communication management, project management, finance, and leadership nurture this next generation of communication leaders.

Students begin their experience by developing foundations in communication history, theory and ethics. An emphasis on content creation prepares students to produce both traditional public relations campaigns, persuasive writing and media relations plans, as well as innovative strategic content including client-video storytelling and digital content hubs. Then, via the school's teaching hospital model, students receive immersive, hands-on training in advanced tools, cutting-edge techniques, and real client work across the faculty-led, student-run agency.

**Degree Requirements:**

Required Core (18 credit hours)
MCO 502 Journalism Skills (8)
MCO 504 Cronkite Master's Seminar (1)
MCO 506 Media Law for Strategic Communication (3)
MCO 519 Strategic Communication Leadership and Ethics (3)
MCO 525 21st Century Media Organization and Entrepreneurship (3)

Other Requirements (3 credit hours)
MCO 537 Strategic Communications Writing (3) OR
MCO 561 Defining the Digital Audience (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
MCO 570 Master of Mass Communication Capstone (3)

Additional Curriculum Information
Elective courses should be selected in consultation with the program advisor; some courses require department approval.

**Admission Requirements:** Applicants must fulfill the requirement of both the Graduate College and the Walter Cronkite School of Journalism and

Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admissions application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants must achieve a score of 100 or better on the TOEFL iBT, taken in a testing center. Similar English proficiency scores from other exams may be considered. ASU Global Launch does not satisfy this requirement.

Applicants should provide a 300- to 500-word statement describing their interest in strategic communication, their career goals, and how previous work and academic experience have prepared the student for success.

**Global Opportunities:**
Global Experience: Students may use elective slots to participate in applicable Global Education experiences (https://goglobal.asu.edu/students/graduate-students) and international internships. Students also may work with international clients at the capstone level.

**Career Opportunities:** Content creation and campaign strategy skills are in high demand across the media industries. Many strategic communicators pursue careers in agency or corporate environments, while others leverage their skills in work with multiple clients, or as media entrepreneurs.

Graduates possess skills that are transferable across communications fields and organizations, including:

- athletic teams
- colleges and universities
- communication agencies
- government agencies and political groups
- nonprofit organizations
- public relations firms
- retail and hospitality brands

Graduates can apply their advanced media skills to a variety of roles, including:

- brand storytellers
- community engagement specialists
- content creators
- digital strategists
- media executives
- media relations specialists
- PR professionals
- strategic communications leaders

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu
CRONK 302
cronkitegrad@asu.edu
602-496-5555

# Law, Sandra Day O'Connor College of

## Biotechnology and Genomics, LL.M. (LWGENOMLLM)

**Online Degree Search Title:** Biotechnology and Genomics, LLM
**Campus:** Downtown Phoenix

**Program Description:** Today's lawyers must be prepared to handle challenges like those that surround international trade, evidentiary standards, personalized medicine, licensing and business planning, to name a few.

The LLM program in biotechnology and genomics is associated with the Center for Law, Science and Innovation, the nation's largest and oldest multidisciplinary research center focusing on the legal implications of new scientific discoveries and emerging technologies. The faculty has a long history of high-quality teaching, and a vast number hold postgraduate degrees in a wide array of sciences.

Coursework and research opportunities are diverse. Through classroom instruction and guided independent study, Master of Laws candidates examine the legal issues surrounding genetic applications such as:

- cloning
- forensic evidence
- gene testing
- gene therapy
- genetically modified organisms
- stem cells and behavioral genetics

The issues relate to:

- business planning
- confidentiality
- evidentiary standards
- intellectual property
- international trade
- liability
- licensing
- privacy
- regulation

Students in the Master of Laws program in biotechnology and genomics explore and examine the law that enables and constrains the development, control and application of biotechnology and genomics.

Forensic science and ethical constraints upon the various contemplated uses are also important elements of the program.

Because the legal, ethical and policy aspects of genomics and biotechnology are of global significance, this program is also beneficial for non-U.S. lawyers. Candidates for a Master of Laws degree must have received their JD or comparable terminal law degree from another country.

**Degree Requirements:**

The program is designed to be completed in nine months on a full-time basis but also may be pursued on a part-time basis.

A degree candidate must complete 24 credit hours of coursework to obtain the Master of Laws degree in biotechnology and genomics. A candidate may elect to write a graduate thesis for either three or six credit hours or can elect not to write a thesis and fulfill the equivalent credits with other coursework. Two required courses are Genetics and the Law and Biotechnology: Science, Law and Policy.

The remaining credit hours generally are obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

**Admission Requirements:** Applicants should see the program website for application deadlines.

Admission to the program is competitive. In order to be admitted, an applicant must have completed a Juris Doctor degree program or a law degree program at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection is based on:

- academic background and potential
- career experience and ambitions

- diversity of experience and background
- space and resource limitations in the law school
- strength of experience related to the program sought and other factors

For an application to be considered complete, it must include the following:
- completed Law School Admissions Council electronic application form (https://law.asu.edu/admission/llm)
- completed LLM Credential Assembly Service report: https://www.lsac.org/llm-other-law-program-applicants/application-process-llm-other-law-programs (https://www.lsac.org/llm-other-law-program-applicants/application-process-llm-other-law-programs)
- required application fee
- resume that does not exceed three typed pages
- personal statement that does not exceed 1,250 words (double-spaced typed pages)
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred
- two letters of recommendation
- writing sample

Additional Application Information
Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate College and Sandra Day O'Connor College of Law English proficiency requirements.

**Career Opportunities:** Graduates of the Master of Laws program in biotechnology and genomics can excel in the following legal fields:

- agricultural law and policy
- bioethics
- biomedical research ethics and law
- biotechnology policy
- biotechnology licensing and litigation
- FDA regulation
- genetics and the law
- health law, particularly public health law
- intellectual property law
- nanotechnology law and policy
- neuroscience and the law
- patent law and patent litigation
- privacy

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/llm
BCLS 420
llmasu@asu.edu
480-965-1474

## Health Law and Policy (Certificate), Certificate (LWHLPGRCT)

**Online Degree Search Title:** Health Law and Policy (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The health law and policy certificate at ASU's Sandra Day O'Connor College of Law is a pivotal component in launching a health law career.

The program is designed to immerse students in multiple areas of health law, public health law, policy and ethics, broadening their knowledge and skills in preparation for practice in public and private sectors, policy development or academic work.

**Degree Requirements:**

Required Core (5 credit hours)
LAW 650 Health Law (3)
LAW 651 Public Health Law (2)

Electives (10 credit hours)

Culminating Experience
writing requirement and active participation in health law

Additional Curriculum Information
Students are required to participate in at least one of the following activities; other activities consistent with this listing also may be considered by the program or certificate director or designee:

- active participation as an officer for at least one year in the student Health Law Society
- editorial board position for at least one year with JURIMETRICS
- health or public health law-based externships, upon approval from program director or designee, for at least one semester or summer session
- research assistant for at least one semester or summer session with the Public Health Law and Policy Program or other centers or programs at ASU Law, provided research is focused predominantly on health-related topics

The student must write a substantial paper on a health or public health law topic of at least 15 single-spaced pages and under guidance of a College of Law faculty member. Papers satisfying the college's Graduation Writing Requirement or Flexible Writing Requirement or law journal requirements can fulfill this certificate requirement, including as part of seminar courses among the elective courses.

Each student must earn a cumulative average grade of at least 3.00 (scale is 4.00 = "A") for courses taken to satisfy the substantive requirements of the health law and policy certificate. A student also must earn a minimum grade of a "B-" for any course applied toward the certificate.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants must be existing JD or LLM students who are currently enrolled in coursework and in good academic standing with the ASU College of Law. Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- admission application for the certificate program through Law Interactive*
- proof of English proficiency

*Students should refer to the ASU Law website (https://law.asu.edu/).

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

**Career Opportunities:** ASU JD, LLM, and MLS students concentrating in health law and policy are finding career placements across the United States in an array of positions from diverse employers. Among the opportunities are employment with:

- government agencies at all levels
- health care entities
- health insurers
- law firms
- policy think tanks and academic institutions

For more information, students should consult the Office of Career Services and check out the listing of prominent health law alums and their current positions on the center's website.

**Contact Information:**
Law, Sandra Day O'Connor College of
College of Law Dean's Office
https://law.asu.edu/
BCLS 340
publichealthlaw@asu.edu
480-965-6181

## Human Resources and Employment Law, MHREL (LWHREMHREL)

**Online Degree Search Title:** Human Resources and Employment Law, MHREL
**Campus:** Downtown Phoenix, Online

**Program Description:** The MHREL is a non-JD graduate program that specifically caters to both entry level and established non-lawyer human resources, recruitment and operations professionals who wish to understand the legal and regulatory framework that governs recruiting, hiring, maintaining, promoting and dismissing employees and independent contractors in the public and private sectors.

Students identify and solve critical employment-related problems facing organizations that only trained professionals understand by learning the complex legal and regulatory framework governing HR activities.

The Master of Human Resources and Employment Law program consists of 30 credit hours that can be completed either in-person or online in one to three years, on a full-time or part-time basis.

**Degree Requirements:**
30 credit hours including the required capstone course (SDO 685), or 30 credit hours including the required capstone course (SDO 685).
Required Core (18 credit hours)
SDO 501 U.S. Law and Legal Analysis: Masters (3)
SDO 531 Employment Law: Masters (3)
SDO 541 HR and Employment Law: Masters (3)
SDO 551 Duties, Obligations and Rights in the Workplace: Masters (3)
SDO 552 Employment Discrimination: Masters (3)
SDO 569 Advanced HR and Employment Law: Masters (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)
SDO 685 Human Resource and Employment Law Capstone (3)

Additional Curriculum Information
Following completion of the six required core courses (18 credit hours), students in the Master of Human Resources and Employment Law program can select from varied elective courses (at least nine credit hours) that will count toward their degree. The pool of elective courses students can choose from include courses focused on employment law adjacent subject areas like privacy rights, dispute resolution and contracts. Students are also able to choose elective courses that present an opportunity to explore other legal areas that may interest them or be pertinent to their chosen career path.

The degree culminates in a three credit hour capstone course that focuses on the practical application of knowledge and skills gained during the degree. During the capstone course, students evaluate the impact of various statutory and regulatory laws that affect the day-to-day operations of a human capital management professional, learn how to successfully navigate challenges these laws present, and manage relationships with varying employee groups at all organizational levels.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

A minimum cumulative of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of an applicant's bachelor's degree is preferred. Prospective students may earn admission with a cumulative GPA below 3.00 if the other assets included in the application package are strong, such as but not limited to:

- a personal statement that addresses a low GPA or inconsistent academic performance
- improved academic performance in subsequent degrees
- significant work history since completing a bachelor's degree

U.S.-educated applicants can apply through the FastApp process (https://law.asu.edu/admission/mhrel), which streamlines the application process and may allow for an offer of conditional admission to the MHREL program while the applicant continues to submit any additional requested documentation.

International or internationally educated applicants should complete the MHREL Full Application form (https://mls.law.asu.edu/Apps/Admissions/Application/MLS/).

All international applicants must submit:
- official transcripts
- two letters of recommendation
- professional resume

- personal statement
- writing sample
- proof of English proficiency
- explanations to affirmative answers to any conduct questions
- any other supporting documents (optional)

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. If English is not an applicant's native language, and an applicant has not completed a bachelor's degree or higher at a regionally accredited institution in the United States, the applicant must provide evidence of English proficiency as indicated by acceptable scores. Most competitive applicants should have a TOEFL iBT score of at least 90, an IELTS score of at least 7.0, or a PTE score of at least 64. Exceptional candidates with relevant experience and background who have scores slightly below these thresholds will also be considered. ASU's institutional code is 4007.

Applicants with foreign education credentials should have all transcripts evaluated by the Academic Credentials Evaluation Institute, Inc. ACEI independently evaluates all academic documents issued in countries other than the United States.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/hr-and-employment-law/) for program descriptions and to request more information.

**Career Opportunities:** Employment opportunities exist in supervisory and management positions in government agencies (federal, state and local) and the private sector, including:

- compensation and benefits managers
- employment recruiters
- equal employment opportunity managers and specialists
- executive search consultants
- hiring managers
- human resources managers and specialists
- labor advocates
- labor relations specialists
- legal support workers
- ombudsman

Human resources employment is projected to grow faster than average (employment increase of 5% or more) in the U.S. and to have 100,000 or more job openings nationwide over the period 2019 to 2029.

The Society of Human Resources Management, a premier HR professional organization with more than 300,000 members nationwide and globally, has recognized ASU Law as the first law school that is fully aligned with the SHRM curriculum guidelines. https://www.shrm.org (https://www.shrm.org)

This alignment provides students enrolled with an emphasis in human resources and employment law the opportunity to apply for the SHRM Certification Professional exam. Achieving this certification is an important distinction that many employers recognize in hiring and promoting HR and employment law professionals.

Current and future students who complete this degree may be eligible for the SHRM certification exam with experiential hours. Students must have a minimum of 500 hours of relevant experience to apply for the SHRM-CP exam. Students who already have SHRM certification will receive Continuing Education credit for the courses they have completed or will complete.

**Professional Licensure:** ASU programs that may lead to professional licensure (https://admission.asu.edu/academics/licensure) or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state.

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/mhrel
BCLS 420
MHRELASU@asu.edu
480-965-1474

## Indian Law (certificate), Certificate (LWLAWGRCI)

**Online Degree Search Title:** Indian Law (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:** The Indian law graduate certificate within ASU's Sandra Day O'Connor College of Law provides ASU Law students with the legal expertise to practice Indian law, with real-world experiences with tribal organizations, and with opportunities for scholarship and externships. The certificate recognizes law students who possess extensive legal knowledge in tribal law and federal Indian law.

Established more than 30 years ago, the Indian Legal Program is one of the most respected Indian law programs in the nation.

**Degree Requirements:**

The certificate program requires a minimum of 21 credit hours of substantive work in Indian law and related fields. The following courses are required:

LAW 632 Federal Indian Law I
LAW 704 Federal Indian Law II
LAW 776 Indian Legal Clinic
two advanced Indian law courses approved by the faculty director of the Indian Legal Program

The remaining credit hours are comprised of elective courses approved by the faculty director. Students must complete a substantial paper on an Indian law topic approved by the faculty director. Students must receive a grade of "C" (scale is 4.00 = "A") or above or a "Pass" in each course used to fulfill the Indian law certificate requirements.

More specific requirements for completion of the Indian law certificate can be found on the Sandra Day O'Connor College of Law website.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Students wishing to pursue the Indian law certificate must be enrolled in the Juris Doctor degree program at the Sandra Day O'Connor College of Law and must be in good standing. Specific requirements for the Indian law certificate program can be found at the ASU Law website (https://law.asu.edu/).

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** Graduates stand out to employers, especially if seeking a job in representing state, federal or tribal governments or representing companies that do business with tribes.

Working for tribes, in public service, private practice and nonprofit organizations, Indian Law Program alumni are making a difference in Indian Country.

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/indian-legal-program
BCLS 420
ilp@asu.edu
480-965-6204

## Juris Doctor of Law, JD (LWJDJD)

**Online Degree Search Title:** Juris Doctor, JD
**Campus:** Downtown Phoenix

**Program Description:** The JD degree program from the Sandra Day O'Connor College of Law prepares the next generation of legal scholars to become successful lawyers. The Juris Doctor program offers a large selection of courses with options for transdisciplinary study with other departments on campus. Students find the opportunity to take classes with a more traditional, theoretical focus and to take advantage of many options that focus on the development of practice skills. The variety of focus areas offered by ASU Law include:

- business law
- criminal law
- health law
- Indian law
- intellectual property

- international law
- international rule of law and security
- law, science and technology
- law and sustainability
- patent practice
- sports law and business
- trial advocacy

First-year Juris Doctor students take courses in civil procedure, contracts, torts, legal method and writing, property, constitutional law, criminal law, legal advocacy, and professional responsibility. After the first year, all courses are electives; students must satisfy two writing requirements and an experiential requirement in order to graduate. A full list of graduation requirements (https://law.asu.edu/aba-disclosures) can be found on the ASU Law website.

Focus areas (https://law.asu.edu/degree-programs), certificates (https://law.asu.edu/degree-programs/jd/certificates), study abroad options (https://law.asu.edu/experiences/abroad), the Washington, D.C., campus and many other opportunities are available to enhance students' experiences.

Students also can pursue a Juris Doctor concurrently with other degrees from ASU like an MBA, MSW, MSLB or a PhD in justice studies. Mayo Clinic School of Medicine students also have an opportunity to pursue a dual JD/MD degree. More information is available on the Mayo Clinic and ASU Alliance for Health Care website: https://mayoclinicasualliance.org/education/dual-degree/ (https://mayoclinicasualliance.org/education/dual-degree/).

A flexible schedule option (https://law.asu.edu/degree-programs/jd/jd-flexible-schedule) is offered for students who wish to attend law school but cannot manage full-time enrollment due to other obligations in their lives; however, it is not an evening program.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Justice Studies, PhD
Social Work - Standard Program, MSW
Sports Law and Business, MSLB
W. P. Carey MBA - Full-Time Program

**Degree Requirements:**

ASU Law JD students must complete a total of 88 credit hours in order to graduate.

Required Core (30 credit hours)
LAW 515 Contracts (4)
LAW 516 Criminal Law (3)
LAW 517 Torts (4)
LAW 518 Civil Procedure (4)
LAW 519 Legal Method and Writing (3)
LAW 522 Constitutional Law (3)
LAW 523 Property (4)
LAW 524 Legal Advocacy (2)
LAW 638 Professional Responsibility (3)

Electives (58 credit hours)

Additional Curriculum Information
Students should see ASU Law's Statement of Student Policies for additional JD degree requirements.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

To be considered for admission to the JD program, applicants must have taken the LSAT (excludes applicants applying to the ASU Achievement Program) and have earned or will earn by the time of enrollment in law school a bachelor's degree that has been awarded by an institution that is accredited by an accrediting agency recognized by the United States Department of Education.

ASU Law requires applicants to apply electronically through the Law School Admission Council website at https://www.lsac.org/ (https://www.lsac.org/).

An application for admission must include:

- electronic application
- personal statement (no more than two pages, double-spaced and font size no smaller than 11 point)
- resume (no more than two pages and font size no smaller than 11 point)
- character and fitness statement, if applicable, explaining affirmative answers to questions 1-8 in the Character and Fitness section
- binding admission contract, if applicable;
- a valid LSAT score (excludes applicants applying to the ASU Achievement Program)
- transcripts from each undergraduate and graduate institution attended (must be sent to LSAC)
- proof of English proficiency for applicants whose native language is not English regardless of their current residency.

Applications may also include:

- letters of recommendation: no more than two letters submitted through LSAC to be included in applicant's Credential Assembly Service report*
- optional addenda

*Since these are not required, the admission office will not wait for letters to complete an applicant's file for review.

Additional Application Information
The JD program enrolls one first-year class per year, entering in the fall semester. The degree is a three-year full-time program. However, ASU Law offers a flexible scheduling option for students with circumstances that make full-time enrollment impossible, but it is not an evening program. Admission to ASU Law is competitive and each year ASU Law receives more applications from eligible candidates than can be accommodated.

ASU Law seeks to enroll a dynamic group of individuals that will provide an engaging learning environment. The admissions committee makes decisions after considering all the information provided by the applicant. Among the factors influencing the admission decision are LSAT performance, undergraduate grade point average, quality and grading patterns of undergraduate institutions, previous graduate education, demonstrated commitment to public service, work and leadership experience, extracurricular or community activities, history of overcoming economic or other disadvantages, uniqueness of experience and background, maturity, ability to communicate, foreign language proficiency, honors and awards, service in the armed forces, and publications.

For detailed information about the Juris Doctor application process, interested applicants are asked to visit the ASU Law (https://law.asu.edu/admission/jd) website.

**Global Opportunities:**
Global Experience: Study abroad opportunities (https://law.asu.edu/experiences/abroad), including exchange programs through ASU's Sandra Day O'Connor College of Law, help satisfy students' interest in traveling and learning about other countries while they are studying law. Students can gain a unique perspective through studying abroad, while also enhancing their marketability to prospective employers.

**Career Opportunities:** According to the U.S. Bureau of Labor Statistics, employment of lawyers is projected to grow 9% between 2020 and 2030. The Juris Doctor degree can lead to a lucrative career in any of several fields.

Career examples include:

- arbitration, mediation and dispute resolution attorney
- chief legal officer
- compliance attorney
- corporate lawyer
- criminal prosecutor or criminal defense attorney
- family lawyer or divorce attorney
- judicial clerk or judge
- law school professor
- politician or member of congress
- trial and appellate lawyer

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/jd
BCLS 420
asulaw.admissions@asu.edu
480-965-1474

# Law and Sustainability (Certificate), Certificate (LWLSUSGRCT)

**Online Degree Search Title:** Law and Sustainability (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The law and sustainability graduate certificate within ASU's Sandra Day O'Connor College of Law is designed to propel ASU Law students into legal careers related to environmental sustainability.

Environmental sustainability is a primary emphasis at ASU, and this certificate program leverages that emphasis by recognizing those law students who have successively immersed themselves in sustainability-related law coursework during their time at the law school.

The certificate program provides instruction and meaningful research experiences, equipping students with the knowledge and skills necessary to become influential leaders in the global sustainability movement. The program's renowned faculty research and teach in every major area of sustainability policy, including climate change, water, energy and environmental protection. Students in the program have access to a range of externships, research opportunities, moot court experiences and mentorships.

**Degree Requirements:**

Required Core (6 credit hours)
LAW 619 Energy Law and Policy (3) or
LAW 631 Environmental Law (3) or
LAW 639 Natural Resource Law (3) or
LAW 643 Water Law (3)

Electives (9 credit hours)

Culminating Experience
writing requirement and active participation in sustainability law

Additional Curriculum Information
Students must select two of the required core courses from the above list.

The academic unit maintains a list of preapproved elective coursework. Students should contact the academic unit for the current list.

Students must earn a cumulative grade point average of at least 3.00 (scale is 4.00 = "A") for those courses taken to satisfy the substantive coursework requirement for the law and sustainability certificate. Students also must earn a minimum grade of "B" in any approved elective course taken outside of the Sandra Day O'Connor College of Law.

To earn the certificate, students must participate in at least two different activities from the following list:

- completion of a sustainability-focused legal externship approved by the program or faculty director
- completion of the Sustainability Law Research Seminar
- membership on the elected board of the law school's Environmental Law Society student chapter
- participation in an extramural environmental or sustainability moot court competition approved by the program or faculty director
- participation as a mentee in the Mentorship Initiative in Sustainability Law

Each student must write a substantial paper on a topic related to law and sustainability. The paper must be at least 15 pages in length and written under the guidance of a member of the Sandra Day O'Connor College of Law faculty. A sustainability-related paper written to satisfy the Sandra Day O'Connor College of Law's graduate writing requirement or flexible writing requirement can fulfill this writing requirement, including a paper written as part of a seminar course included on the list of elective courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants must be existing JD or LLM students who are currently enrolled in coursework and in good academic standing with the Sandra Day O'Connor College of Law. Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- an admission application for the certificate program through Law Interactive*
- proof of English proficiency

*Students should refer to the ASU Law website (https://law.asu.edu/).

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

**Career Opportunities:** Due to ASU Law's close proximity to dozens of law firms, government offices and other legal employers in sustainability-related fields, numerous ASU law students involved in the law and sustainability program secure legal externships each year. Externships that ASU law students have participated in recently include Arizona Attorney General's Office, Arizona Corporation Commission, Arizona Department of Environmental Quality, Arizona State Legislature, City of Mesa, City of Scottsdale, Climate Institute, Gammage and Burnham PLC, Kyl Center for Water Policy, Office of Water Master, Rose Law Group PC, Salt River Project, and the United States Environmental Protection Agency.

**Contact Information:**
Law, Sandra Day O'Connor College of
College of Law Dean's Office
https://law.asu.edu/programs/sustainability
BCLS 478
LawandSustainability@asu.edu
480-965-7553

## Law, Science, & Technology (certificate), Certificate (LWLAWSTCE)

**Online Degree Search Title:** Law, Science and Technology (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The law, science and technology certificate program is for students with science and technology interests and is limited to students in good standing pursuing a JD degree at the Sandra Day O'Connor College of Law.

At ASU, the law, science and technology program is home to focus areas in intellectual property, life sciences and biotechnology, governance of emerging technologies, as well as the newest addition: data, privacy and security. In each area, the program offers a specialized graduate certificate program with robust coursework, student cohorts with attorney and faculty mentorship, and presentation and publication opportunities. In addition, the program collaborates with five ASU Law student organizations; programs in health law, international law and sustainability law; and other ASU partners to create an interdisciplinary understanding of the issues driven by science and technology that span all areas of law, policy and practice.

**Degree Requirements:**

Students must satisfy their graduation writing requirement on a topic related to law, science and technology. The paper must meet all of the Sandra Day O'Connor College of Law requirements for a graduation writing requirement and must be supervised by a center fellow.

A minimum cumulative GPA of 3.00 (scale is 4.00 = "A") is required for those courses that satisfy the substantive coursework requirements of the certificate. Courses used to satisfy the core or focus area requirements may not be taken for pass or fail credit. A student may take one elective course on a pass or fail basis.

Substantive coursework is required in law, science and technology subjects for a minimum of seven courses, earning at least 16 credit hours, at the Sandra Day O'Connor College of Law. Two courses are chosen from the designated core courses and five courses are chosen from a list of elective courses.

Each student is encouraged to actively participate in the events (lectures, conferences, symposia) sponsored by the Center for Law, Science and Innovation and to participate in at least one approved activity for two semesters.

Additional details of the program requirements for the law, science and technology certificate can be found in the Sandra Day O'Connor College of Law Statement of Student Policies.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Students wishing to pursue the law, science and technology certificate must be enrolled in the JD program at the Sandra Day O'Connor College of Law and be in good standing.

Specific requirements for admission to the law, science and technology certificate program can be found on the ASU Law website (https://law.asu.edu/).

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered

for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** The certificate in law, science and technology is designed for those interested in becoming an attorney and practicing law with an emphasis in law, science and technology in sectors that include intellectual property, life sciences, data, privacy and security.

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/jd/certificates/lst-certificate
BCLS 420
Lsi@asu.edu
480-965-5386

## Laws, LL.M. (LAWLAWSLLM)

**Online Degree Search Title:** Laws, LLM
**Campus:** Downtown Phoenix, Online

**Program Description:** The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students. Study is available in a variety of areas in which the law school holds particular strength.

With more than 250 unique courses (https://apps.law.asu.edu/apps/registrar/CourseInfo/Default.aspx) to choose from each year, the 24 credit hour Master of Laws program is customized to meet students' career goals with focus on popular areas of study. The graduate program is flexible with fall and spring starts as well as full-time and part-time options. In order to be admitted to the Master of Laws program, applicants must have completed a Juris Doctor degree or a law degree at a foreign institution that would qualify an applicant to practice law.

The college also offers a Master of Laws in biotechnology and genomics (https://law.asu.edu/emphasis-areas/biotech-genomics) and in tribal policy, law and government (https://law.asu.edu/emphasis-areas/indian-gaming-governance).

To learn more, students should attend one of many provided information sessions (https://law.asu.edu/visit).

Emphasis areas include:

- business law (https://law.asu.edu/emphasis-areas/business-law)
- criminal law (https://law.asu.edu/emphasis-areas/criminal-law)
- entrepreneurship law and strategy (https://law.asu.edu/emphasis-areas/entrepreneurship-law-strategy)
- health law (https://law.asu.edu/emphasis-areas/public-health-law-policy)
- Indian gaming and tribal self-governance (https://law.asu.edu/emphasis-areas/indian-gaming-governance)
- Indian law (https://law.asu.edu/indian-legal-program)
- intellectual property law (https://law.asu.edu/programs/intellectual-property)
- international law (https://law.asu.edu/emphasis-areas/international)
- international rule of law and security (https://law.asu.edu/programs/irls)
- law and sustainability (https://law.asu.edu/programs/sustainability)
- patent practice (https://law.asu.edu/emphasis-areas/patent)
- science and technology law (https://law.asu.edu/emphasis-areas/law-technology)

**Degree Requirements:**

The program requires 24 credit hours. Required courses depend on the student's particular concentration in the degree. International students are required to take LAW 596 Professional Legal Writing. A candidate may elect either to write a master's degree portfolio paper or complete an applied project. The remaining credit hours generally are obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

All applicants must submit:
- completed LLM application form
- official transcripts from all institutions attended
- explanations to affirmative answers to any conduct questions
- resume, not exceeding three typed pages
- statement of interest, not exceeding 1,250 words (double-spaced, typed pages)

- two letters of recommendation
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Sandra Day O'Connor College of Law website for acceptable TOEFL scores and additional information for foreign educated applicants.

All foreign educated applicants are required to use the Law School Admission Council LLM Credential Assembly Service, which includes the ASU Law Electronic Application, the Document Assembly Service, and the International Transcript and Authentication Service. Students should refer to the special instructions for foreign-educated applicants at the school admission website (https://law.asu.edu/admission/apply/foreign).

The LSAC Electronic Application is found at https://llm.lsac.org/login/access.aspx?appl=4007L1 (https://llm.lsac.org/login/access.aspx?appl=4007L1).

The CAS report must be from the current application year and is found at https://www.lsac.org/ (https://www.lsac.org/).

U.S.-educated applicants have the option of applying through the LSAC LLM Credential Assembly Service, which includes the ASU Law Electronic Application and Document Assembly Service or applying through the ASU Law website using the LLM application form (https://llm.law.asu.edu/Apps/Admissions/Application/MLS/).

ASU law alumni graduates who are interested in the LLM should refer to the Law for Life program.

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and these are provided to the ASU College of Law by LSAC. Transcripts are required from all institutions attended, and transcripts showing that the bachelor's degree and law degree were conferred must be included. Applicants who encounter any problems should contact the LSAC help desk at 215-968-1001.

For applications to be considered complete, submissions must include all items in the bulleted list above.

Admission to the program is competitive. Selection is based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school and other factors.

Applicants should see the program website for application deadlines.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-of-laws/) for program descriptions and to request more information.

**Career Opportunities:** According to the U.S. Bureau of Labor Statistics, employment of lawyers is projected to grow 9% between 2020 and 2030. The Master of Laws degree can lead to a number of opportunities in the legal profession at large, helping current lawyers advance in their careers by refining their leadership skills, becoming fluent with advanced terminology, and developing a keen sense of professionalism.

Career examples include:

- chief executive officer
- chief legal officer
- judge
- law firm administrator
- law firm partner
- law school professor
- litigation support director
- politician or member of Congress
- private banker

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/llm
BCLS 420
llmasu@asu.edu
480-965-1474

# Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)

**Online Degree Search Title:** Laws (Global Legal Studies), LLM
**Campus:** Downtown Phoenix

**Program Description:** The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students.

The program draws on the unique focus of the center and the faculty's international and transnational legal expertise in global health, the environment, human rights, trade and emerging technologies. The program emphasizes transdisciplinary study and links rigorous legal training with the research and scholarship drawn from political science, policy studies, anthropology and sustainability.

Students can take a wide variety of courses on international topics, such as international environmental law, international human rights law, and international institutions. These include business-related courses such as international contracts, international taxation, international commercial arbitration and international business transactions.

Students who participate in externships gain practical experience that makes them more competitive for jobs at home and abroad. ASU Law can place every eligible enrolled student into an externship (https://law.asu.edu/experiences/externships) at organizations in Arizona or Washington, D.C., such as the U.S. State Department, World Bank, International Rescue Committee, Department of Homeland Security and Human Rights First. The opportunity for students to network with international decision-makers, opinion leaders and top practitioners is further amplified through ASU's large presence in Washington, D.C. (https://washingtondc.asu.edu/#why-is-asu-in-washington-dc)

Students can develop professionally by engaging with globally minded leaders in the legal, government and business communities. For instance, the Phoenix Committee on Foreign Relations hosts events and other forums for select students to engage with prominent leaders and practitioners on trending international issues.

Each year, the Sandra Day O'Connor College of Law holds a workshop with the American Red Cross on international humanitarian law that brings students, members of the military and community leaders together to learn more about the principles governing armed conflict.

**Degree Requirements:**

The program is designed to be completed in one academic year (nine months) on a full-time basis but may also be pursued on a part-time basis. A degree program candidate must complete 24 credit hours of coursework. A candidate may elect to write a master's degree portfolio paper or, instead, can elect to complete an applied project. Required coursework includes two of the following courses:

LAW 615 Public International Law (3)
LAW 691 Seminar: International Institutions (2)
LAW 709 International Human Rights (2-3)
LAW 768 International Business Transactions (2-4)

An international student whose initial law degree is not from a U.S. law school is required to take the following course:

LAW 596 Professional Legal Writing (3)

The remaining credit hours are generally obtained from the list of elective courses in international law.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

All applicants must submit:
- completed LLM application form
- official transcripts
- resume, not exceeding three typed pages
- statement of interest, not exceeding 1,250 words (double-spaced, typed pages)
- two letters of recommendation
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the College of Law website for acceptable TOEFL scores and additional information for foreign-educated applicants.

Applicants are encouraged to apply electronically through https://www.lsac.org (https://www.lsac.org/).

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and are provided to the ASU College of Law by LSAC. Transcripts are required from all institutions attended, and transcripts showing that the bachelor's degree and law degree were conferred must be included.

Admission to the program is competitive. Selection is based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school and other factors.

Potential applicants should see the program website for application deadlines.

**Career Opportunities:** According to the U.S. Bureau of Labor Statistics, employment of lawyers is projected to grow 9% between 2020 and 2030. The Master of Laws degree can lead to a number of opportunities in the legal profession at large, helping current lawyers advance in their careers by refining their leadership skills, becoming fluent with advanced terminology, developing a keen sense of professionalism, and learning how to navigate an ever-changing global environment.

Career examples include:

- chief executive officer or legal officer
- global litigation director
- judge
- law firm partner or administrator
- law school professor
- private banker (international)

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/llm
BCLS 420
llmasu@asu.edu
480-965-1474

## Legal Studies, MLS (LWLGSMLEGS)

**Online Degree Search Title:** Legal Studies, MLS
**Campus:** Downtown Phoenix, Online

**Program Description:** The MLS program is flexible; it is offered in the fall, spring and summer, full-time and part-time, in-person and online. Students may focus their program on popular areas of study listed below. To learn more or schedule a visit, students should refer to the ASU Law website (https://law.asu.edu/visit).

Emphasis areas offered in-person include:

- business law (https://law.asu.edu/emphasis-areas/business-law)
- conflict resolution (https://law.asu.edu/emphasis-areas/conflict-resolution)
- criminal law (https://law.asu.edu/emphasis-areas/criminal-law)
- entrepreneurship law and strategy (https://law.asu.edu/emphasis-areas/entrepreneurship-law-strategy)
- federal Indian law and tribal self-governance (https://law.asu.edu/emphasis-areas/indian-gaming-governance)
- health law (https://law.asu.edu/emphasis-areas/public-health-law-policy)
- Indian gaming (https://law.asu.edu/emphasis-areas/indian-gaming-governance)
- Indian law (https://law.asu.edu/indian-legal-program)
- intellectual property law (https://law.asu.edu/programs/intellectual-property)
- international law (https://law.asu.edu/emphasis-areas/international)
- international rule of law and security (https://law.asu.edu/programs/irls)
- law and sustainability (https://law.asu.edu/programs/sustainability)
- science and technology law (https://law.asu.edu/emphasis-areas/law-technology)

Emphasis areas offered online include:

- business law (https://law.asu.edu/emphasis-areas/business-law)
- conflict resolution (https://law.asu.edu/emphasis-areas/conflict-resolution)
- construction law (https://law.asu.edu/degree-programs/mls/mls-online/construction-law)
- contract management (https://law.asu.edu/degree-programs/mls/mls-online/contract-management)
- corporate and health care compliance (https://law.asu.edu/degree-programs/mls/mls-online/corporateandhealthcarecompliance)
- criminal law (https://law.asu.edu/emphasis-areas/criminal-law)
- federal Indian law and tribal self-governance (https://law.asu.edu/emphasis-areas/indian-gaming-governance)

- Indian gaming (https://law.asu.edu/emphasis-areas/indian-gaming-governance)
- Indian law (https://law.asu.edu/indian-legal-program)
- intellectual property law (https://law.asu.edu/programs/intellectual-property)
- law and sustainability (https://law.asu.edu/programs/sustainability)
- arizona legal paraprofessional (https://asuonline.asu.edu/online-degree-programs/graduate/legal-paraprofessional-mls/)

Pursuant to American Bar Association standards, no law credits completed prior to admission to a JD program, including credits earned in the Master of Legal Studies program, may be transferred to a future Juris Doctor program under any circumstances.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Information Systems Management, MS
Management, MS
Master of Mass Communication, MMC
Real Estate Development, MRED
Sustainability Solutions, MSUS
W. P. Carey MBA - Evening Program
W. P. Carey MBA - Full-Time Program

**Degree Requirements:**
30 credit hours, or 30 credit hours.
The program consists of 30 credit hours of approved study. The degree program can be completed on a full-time or part-time basis. Students are required to take:

SDO 501 U.S Law and Legal Analysis: Masters (3)

Students are required to choose one of the following basic foundational courses:
LAW 518 Civil Procedure (3/5)*
SDO 510 Business Organizations: Masters OR LAW 654 Business Organizations (3/4)
SDO 511 Administrative Agencies/Regulation: Masters OR LAW 609 Administrative Law (3)
SDO 514 Intellectual Property: Masters OR LAW 664 Intellectual Property (2/4)
SDO 515 Criminal Law: Masters OR LAW 516 Criminal Law* (3)
SDO 516 Criminal Procedure-Masters OR LAW 604 Criminal Procedure (3)
SDO 518 Fundamentals of Contract Law: Masters OR LAW 515 Contracts* (3/4)
SDO 521 Property Law: Masters OR LAW 523 Property* (3/4)
SDO 525 Tort Law: Masters OR LAW 517 Torts* (3/4)
SDO 529 US Constitutional Law: Masters OR LAW 522 Constitutional Law* (3)

*Students may enroll in no more than two of the LAW prefix designated courses marked with an asterisk. Such courses will be subject to availability.

The remainder of the credits are electives. Elective course selection is flexible, to accommodate the diversity of intellectual and professional interests the program is intended to serve.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from an accredited four-year college or university in the United States or attained a comparable degree from a foreign institution.

All applicants must submit:
- completed Master of Legal Studies application form and application fee
- official transcripts from all institutions attended
- resume that does not exceed three typed pages
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Sandra Day O'Connor College of Law website for acceptable TOEFL scores and additional information for foreign-educated applicants.

Master of Legal Studies applicants with foreign education credentials must have all transcripts evaluated by the Academic Credentials Evaluation Institute, Inc. independently evaluates all academic documents issued in countries other than the United States. Students should contact ACEI

through that organization's website to obtain an application for an evaluation. Applicants must request a course-by-course evaluation and order an official copy be sent directly to:

Sandra Day O'Connor College of Law
Arizona State University
Beus Center for Law and Society
Office of Admissions and Financial Aid
Mail Code: 9520
111 E Taylor St.
Phoenix, AZ 85004

Applicants who have received their bachelor's or master's degree in the U.S. can apply through the MLS FastApp application process, which streamlines the application process and may allow for an offer of conditional admission to the Master of Legal Studies program while the applicant continues to submit any additional requested documentation.

If a decision cannot be made from the FastApp, the Sandra Day O'Connor College of Law Admissions team may request additional information from the applicant, including any or all of the following:

- writing sample
- explanations to affirmative answers to application questions pertaining to conduct
- two letters of recommendation

Admission to the program is competitive. Selection is based on a variety of factors, including academic background and potential, diversity of experience and background, career experience and ambitions, space and resource limitations in the law school and other factors.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-legal-studies/) for program descriptions and to request more information.

**Career Opportunities:** The Master of Legal Studies degree is designed for those looking to obtain working knowledge of the law but do not intend on becoming practicing lawyers. Graduates have achieved training in complicated legal topics and lawyering skills that prove invaluable to law firms, court systems, government agencies and corporations. There are many career paths for graduates, including:

- accreditation director
- fraud investigator
- operations director
- risk analyst
- senior administrator (e.g., inside a law firm)
- senior business analyst
- senior compliance director
- senior contract negotiator

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/mls
BCLS 420
mlsasu@asu.edu
480-965-1474

## Sports Law and Business, MSLB (LWSLBMSLB)

**Online Degree Search Title:** Sports Law and Business, MSLB
**Campus:** Downtown Phoenix

**Program Description:** The MSLB program at the Sandra Day O'Connor College of Law at Arizona State University is centrally located in vibrant downtown Phoenix. This unique program blends sports, law and business from a nationally ranked law school with world-class faculty.

The sports law and business program uses the expertise of world-class faculty and programming to provide specialized and targeted experiences for legal scholars with career aspirations in sports. It is the only law master's degree program in the U.S. that combines sports, law and business

into one comprehensive program.

This in-person 36-credit hour degree program is offered in the fall semester and has both full-time and part-time student opportunities. The program offers admitted students the opportunity to apply for the following opportunities: The Allan "Bud" Selig Scholarship, the SLB Graduate Assistant Team, and the MSLB Graduate Assistantship positions with Sun Devil Athletics. These opportunities are only available to students who have been accepted into the Master of Sports Law and Business program.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: Juris Doctor, JD

**Degree Requirements:**

Required Core (21 credit hours)
SLB 510 Amateur Sports Law: MSLB (3) or SLB 512 Professional Sports Law: MSLB (3)
SLB 511 Career Strategies and Business Communications in the Sports Industry (3)
SLB 514 Negotiations and Alternative Dispute Resolutions in the Sports Industry (3)
SLB 515 Sports Business Strategies and Executive Decisions (3)
SLB 517 Marketing for Sports Organizations (3)
SLB 518 Sports Analytics (3)
SLB 581 U.S. Law and Legal Analysis Through Sport: MSLB (3) or LAW 519 Legal Method and Writing (3)

Electives or Research (12 credit hours)
SLB 516 Revenue Generation in the Sports Industry (3)
SLB 519 Pro Sports Team Operations and Legal Issues: MSLB (3)
SLB 522 NCAA Compliance, Infractions and Enforcement: MSLB (3)
SLB 523 MLB's Impact on Law and Society: MSLB (1-3)
SLB 524 Law and Business of Sports Branding: MSLB (3)
SLB 525 Sports Big Events: Law/Biz/Ops: MSLB (3)
SLB 598 Topic: Applied Sports Marketing (3)
SLB 598 Topic: Regulatory Issues in the Sports Industry: MSLB
SLB 598 Topic: Sports Entrepreneurship Management (3)
SLB 598 Topic: Sports Sponsorship, Partnership and Activations (3)
SLB 598 Topic: Strategic Planning for the Future in Sports (3)

Culminating Experience (3-6 credit hours)
SLB 593 Applied Project (3-6)

Additional Curriculum Information
Students must complete a minimum of three credits with a maximum of six credits of an applied project to serve as their culminating experience. This allows for additional applied projects for those who want to apply their studies to varying experiences.

**Admission Requirements:** Applicants must fulfill and complete all requirements in order for their application to be reviewed. Applicants that submit an incomplete application or do not provide all of the required documents will not be reviewed by the admissions committee.

In addition to the MSLB application, applicants are required to submit the following documents:
- official transcripts or unofficial transcripts
- resume (fewer than 3 pages)
- personal statement; a minimum of 1,250 words is required
- two professional references
- video pitch

Additional application requirements may be requested. For updates on these items, students may visit the ASU Law website (https://law.asu.edu/admission/mslb).

Applications are reviewed on a rolling admissions basis. Once an application has been reviewed, an applicant may be selected for an interview based on the qualifications of the application.

A minimum of a bachelor's degree from a regionally accredited four-year college or university in the United States or a comparable degree from a foreign institution is required.

Admissions into the sports law and business program is only offered for the fall semester. Applicants do not have the option to apply for spring or summer semester start date.

International Student Application Information
An applicant whose native language is not English must provide proof of English proficiency as indicated by acceptable scores regardless of their current residency. Applicants should have a TOEFL score more than 250 (computer) or 100 (internet). Exceptional candidates with relevant experience and background who have scores of at least 243 (computer) or 96 (internet) also are considered. ASU's institutional code is 4007. This proof of English proficiency is required for international students and must be included in the documents required for the MSLB application.

Applicants who have received undergraduate or graduate degrees from foreign institutions must have their transcripts evaluated by World Education Services, and WES must send that evaluation to the offices of the Sandra Day O'Connor College of Law. Evaluation of international transcripts must be reviewed and included in the application.

Additional Application Information
Transcripts
Official transcripts from all postsecondary institutions of higher education attended must be submitted to mslbasu@asu.edu (mailto:mslbasu@asu.edu) or mailed to the ASU Law Admission Office. An official transcript is a transcript certified by the issuing school and sent directly to ASU or delivered to ASU in a sealed envelope with a seal intact.

Character and Fitness
If an applicant answers Yes to any of the questions in this section, a separate statement or electronic attachment providing a complete description of the actions and full details of the charges and sanctions against the applicant must be included. The applicant also must include any charges that have been expunged, sealed or set aside, even if told by a judge or attorney it is not necessary to include. Additionally, the applicant should provide a personal account of the events that led to the charges or discipline. Failure to include this information results in an incomplete application. Incomplete applications will not be reviewed by the admission committee.

Admission to the Master of Sports Law and Business program is very competitive. Selection is based on a variety of factors, including academic background, experience and background in the sports industry, personal statement and goals, and other factors determined through the application process.

**Career Opportunities:** Graduates are equipped to understand the sports market and the regulatory forces at play in the U.S. and globally.

Phoenix is a destination for the next generation of sports professionals, boasting opportunities for working, learning and networking in every major industry in American sports.

ASU Law's Master of Sports Law and Business program prepares graduates for a career in the sports industry at the highest levels and is geared toward those who want to master legal principles that impact sports organizations such as the NBA, NFL, NCAA, MLB or PGA.

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/mslb
BCLS 420
MSLBASU@asu.edu
480-965-1474

## Trial Advocacy (Certificate), Certificate (LWTAGRCT)

**Online Degree Search Title:** Trial Advocacy (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The graduate certificate program in trial advocacy provides students interested in pursuing a career in criminal prosecution, criminal defense or civil litigation with a prescribed course of study to help prepare them for practice.

**Degree Requirements:**

Required Core (6 credit hours)
LAW 602 Civil Procedure II (3) or LAW 604 Criminal Procedure (3)
LAW 605 Evidence (3)

Alternative Dispute Resolution Requirement (2 credit hours)

Litigation Requirement (3 credit hours)

Electives (4 credit hours)

Other requirements
practical experience in client representation

Additional Curriculum Information
To earn the certificate, a student must take classes in courtroom practice and procedure as well as alternative dispute resolution, participate in experiential learning either through simulation-based instruction in litigation and courtroom advocacy or by representing clients in a clinical setting, and gain additional practical experience through pro bono service, participation in a moot court competition or enrollment in a Rule 38 externship.

Students must complete four credit hours of electives from a selection of over 40 classes.

For the Alternative Dispute Resolution requirement, students must complete a minimum of two credit hours from the Alternative Dispute Resolution requirement course list.

For the Litigation requirements, students must complete a minimum of three credit hours from the Litigation requirement course list.

Students must gain practical experience in client representation by completing one of the following while maintaining continuous enrollment:

- completion of a Rule 38 externship or
- pro bono service --- minimum of 50 hours working with an approved legal services organization or
- representation of the College of Law in a regional, national or international moot court competition

Additional information on what specific courses can be used to fulfill the certificate requirements can be found on the College of Law trial advocacy page.

**Admission Requirements:** Applicants must fulfill the requirements of the both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants must be existing JD program students who are currently enrolled in coursework and in good academic standing with the ASU College of Law. Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- trial advocacy certificate application
- graduate application through Law Interactive*
- proof of English proficiency

*Students should refer to the ASU Law website (https://law.asu.edu/).

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

**Career Opportunities:** The trial advocacy graduate certificate serves as a credential representing to future employers and clients that a JD student has a demonstrated interest in trial advocacy and a solid foundation in the knowledge and the skills needed to succeed in the field.

**Contact Information:**
Law, Sandra Day O'Connor College of
College of Law Dean's Office
https://law.asu.edu/focus-areas/trial-advocacy
BCLS 456
asutrialadvocacy@gmail.com
480-965-6413

## Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)

**Online Degree Search Title:** Tribal Policy, Law and Government, LLM

**Campus:** Downtown Phoenix

**Program Description:** This LLM program is designed for lawyers and law school graduates who will work on issues related to tribal law and federal Indian law at the professional and academic levels.

The Master of Laws program in tribal policy, law and government can be focused in three areas: Indian gaming; tribal self-governance; or tribal policy, law and government. Core curricular offerings focus on domestic tribal law, federal Indian law and American institutions of law and government. The program explores the expression of domestic law within contemporary administrative, governmental and judicial institutions.

Home to the nationally known Indian Legal Program, the Sandra Day O'Connor College of Law leads the nation in producing graduates specializing in Indian law. Candidates benefit from the extensive resources committed to the Indian Legal Program, including a director, experienced Native faculty and staff, and an Indian law clinic.

Arizona State University is located in the heart of the southwestern U.S., home to roughly one-third of the native population in the U.S. and where many of the largest Indian nations in the country are located. The university is the academic home for several nationally known scholars researching American Indian issues and houses many unique resources for such scholarship, including the Labriola Collection at Hayden Library.

**Degree Requirements:**

The program is administered by the Indian Legal Program and is oriented toward students who seek practical experience in tribal law and federal Indian law. It provides intensive instruction to students who graduated from a law school that had few or no courses in Indian law and who now seek to practice in these areas at a professional level. This degree program requires a minimum of 24 credit hours of study. A thesis is not required.

Students immerse themselves in the study of tribal law and federal Indian law and apply the knowledge and experience they gain through the practical component of the degree program which may consist of research projects for tribal courts and governments; state, tribal and federal court practice; and tribal code drafting.

Graduates are well equipped for professional positions that require knowledge and expertise in tribal law and federal Indian law. Students have the option of pursuing the degree on a part-time basis.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and College of Law English proficiency requirements.

Admission to the program is competitive. In order to be admitted, an applicant must have completed a JD degree or law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program.

Selection is based on academic background and potential, career experience and ambitions, diversity of experience and background, space and resource limitations in the law school, and the applicant's strength of experience related to the program sought, as well as other factors.

Applicants are encouraged to apply electronically through the Law School Admission Council website: https://www.lsac.org (https://www.lsac.org). For an application to be considered complete, it must include the following:

- the completed LLM application form
- the required application fee
- a resume that does not exceed three typed pages
- a statement of interest that does not exceed 1,250 words, typed and double-spaced
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred
- two letters of recommendation
- a writing sample

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and are provided to ASU Law by LSAC.

Students should see the program website for application deadlines.

**Career Opportunities:** According to the U.S. Bureau of Labor Statistics, employment of lawyers is projected to grow 9% between 2020 and 2030. The Master of Laws in tribal policy, law and government program can lead to a number of opportunities in Indian law, at large, helping current lawyers advance in their careers by refining their leadership skills, becoming fluent with advanced terminology, and developing a keen sense of professionalism.

Graduates of the program are prepared for lucrative careers in government, economic development or health care positions that impact Native populations.

Career examples include:

- chief executive officer
- chief legal officer
- court justice
- election director for Native communities
- judge
- law firm administrator
- law firm partner
- law school professor
- litigation support director
- politician or member of congress
- private banker for Native communities

**Contact Information:**
Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/llm
BCLS 420
llmasu@asu.edu
480-965-1474

# Liberal Arts and Sciences, The College of

## Actuarial Science, MS (LAACTMS)

**Online Degree Search Title:** Actuarial Science, MS
**Campus:** Tempe

**Program Description:** The MS program in actuarial science emphasizes broad awareness and appreciation of current issues faced by insurance industry practitioners as well as innovative resolutions provided by actuaries.

Students advance their knowledge base by applying mathematical and statistical concepts and data analytics to the disciplines of risk management, finance and insurance. It also includes a new focused set of professional learning outcomes aligned with the needs of the ever-evolving insurance industry, while keeping the core technical learning outcomes in place. These guide students' development of professional competencies through coursework, independent projects and opportunities outside of the classroom, while remaining firmly based on a strong foundation of scholarly technical work in actuarial science.

Actuaries must pass a series of intensive professional exams to become credentialed. Program graduates are prepared for the examinations required to become credentialed professionals by the Society of Actuaries or Casualty Actuarial Society and to be competitive employees in the insurance and finance industries.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Actuarial Science, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (ACT 593).
Required Core (6 credit hours)
ACT 560 Regression Modeling In Insurance (3)
ACT 561 Machine Learning and Risk Management Applications (3)

Electives or Research (21 credit hours)

Culminating Experience (3 credit hours)
ACT 593 Applied Project (3)

Additional Curriculum Information

For electives and research, students select seven courses from an approved list. Students should see the academic unit for the approved course list. Other courses may be used with approval of the academic unit.

Only six credit hours of 400-level coursework is allowed on the plan of study per Graduate College policy.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as mathematics, statistics, business, economics and predictive analytics.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- two letters of recommendation
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants should have completed the following courses with a "B" or better (scale is 4.00 = "A"). ASU equivalents are given in parenthesis. Courses may be substituted with approval of the academic unit:

Linear Algebra (MAT 342 or MAT 343)
calculus sequence 1-3 (MAT 270, 271, and MAT 272)
Applied Statistics (STP 420)
upper-division probability (ACT 415 or STP 421)

**Career Opportunities:** Risk is a part of daily life, and wherever there is risk there are opportunities for actuarial intervention. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health and to ensure organizations conform to stringent, complex legal mandates. Others help companies to establish retirement plans or are employed as consultants.

Graduates possess skills that are transferable to any industry and any organization that requires risk modeling and management, including:

- colleges and universities
- consulting firms
- energy, such as utilities, oil and gas
- environment (on issues such as climate change and the financial impact or risk of extreme events)
- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor and Medicare (to manage social programs and to develop regulations and legislation)
- insurance companies
- retirement and pensions
- transportation, such as shipping and air travel

Graduates can also apply the advanced problem-solving skills to a variety of other professional careers, including:

- analysts
- business operations specialists
- consultants
- teachers

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/degrees/graduate

WXLR A213
grad.math@asu.edu
480-965-3951

## Addiction and Substance-Use Related Disorders (certificate), Certificate (LAASRDGRCT)

**Online Degree Search Title:** Addiction and Substance-Use Related Disorders (Graduate Certificate)
**Campus:** Online

**Program Description:** Addiction and substance abuse is one of America's top public health problems, and there is a growing need for well-trained addictions counselors.

The graduate certificate program in addiction and substance-use related disorders pairs state-of-the-art research by internationally recognized experts in addictions with clinical expertise of licensed psychologists and licensed substance abuse counselors who have decades of experience providing substance abuse treatment.

This program is valuable for those in counseling, social work, psychology, medicine and various fields of therapy who provide services to individuals and families suffering from addiction and substance use disorders.

The addiction certificate program meets all the curricular requirements of the Arizona State Board of Behavioral Health Examiners for licensure in substance abuse counseling as well as most national and state certification requirements.

**Degree Requirements:**
21 credit hours.
Required Core (18 credit hours)
PSY 570 Psychopharmacology (3)
PSY 601 Addiction and Substance Abuse: Assessment and Diagnosis (3)
PSY 602 Comorbidity in Substance Use Related Problems (3)
PSY 603 Evidence-Based Interventions for Substance Use Related Problems (3)
PSY 604 Multicultural Issues Related to Substance Use Related Problems (3)
PSY 605 Group Therapy for Substance Use-Related Problems (3)

Other Requirements (3)
PSY 591 Topic: Ethics (3)

Additional Curriculum Information
This graduate certificate meets all seven of the core content curricular requirements for the Arizona State Board of Behavioral Health Examiners, for students interested in pursuing licensure in substance abuse counseling. In addition, the course is in compliance with national certification curriculum guidelines.

PSY 591 can be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health, behavioral health or counseling-related field from a regionally accredited institution, or have earned an equivalent degree from an international institution that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- curriculum vitae or resume
- one letter or recommendation
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/addiction-and-substance-use-related-disorders-graduate/) for

program descriptions and to request more information.

**Career Opportunities:** Substance abuse counseling can be incredibly rewarding, and the field offers a wide variety of experiences. Jobs are available in substance abuse treatment centers; community mental health agencies; primary care, integrated health and criminal justice facilities; hospitals; schools and universities; and in the military and veterans affairs. The U.S. Bureau of Labor Statistics expects employment of substance abuse counselors to grow 22% between 2018 and 2028, much faster than other occupations. Job prospects are expected to be very good for counselors who are licensed.

Career examples include:

- addiction counselor
- licensed addiction counselor
- licensed substance abuse counselor
- substance abuse counselor
- substance abuse technician

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/
PSY 201
addictioncert@asu.edu
480-727-4561

## Addiction Psychology, MS (LAADPSYMS)

**Online Degree Search Title:** Addiction Psychology, MS
**Campus:** Tempe, Online

**Program Description:** The MS program in addiction psychology pairs state-of-the-art research from internationally recognized experts in addictions with clinical expertise from licensed psychologists and licensed addiction counselors who have decades of experience providing addiction treatment.

**Degree Requirements:**
45 credit hours including the required applied project course (PSY 593).
Required Core (27 credit hours)
PSY 570 Psychopharmacology (3)
PSY 601 Addiction and Substance Abuse: Assessment and Diagnosis (3)
PSY 602 Comorbidity in Substance Use Related Problems (3)
PSY 603 Evidence-based Interventions for Substance Use Related Problems (3)
PSY 604 Multicultural Issues Related to Substance Use Related Problems (3)
PSY 605 Group Therapy for Substance Use-Related Problems (3)
PSY 606 Case Management for Substance Use Related Problems (3)
PSY 607 Family and Adolescent Treatment for Substance Use Related Problems (3)
PSY 608 Supervision of Addictions Counselors (3)

Research (3 credit hours)
PSY 600 Research Methods (3)

Other Requirements (9 credit hours)
PSY 591 Seminar: Ethics (3)
PSY 680 Practicum (6)

Culminating Experience (6 credit hours)
PSY 593 Applied Project (6)

Additional Curriculum Information
Students complete six credit hours of practicum, which consists of 600 hours of applied work as an addiction counselor under supervision of licensed substance abuse counselors. With support from program advisors, students arrange for a supervision experience at a licensed addiction treatment center where they are located that will provide supervision as part of the training experience. Program staff will verify the licensure status of the agency and supervisor and maintain a practicum training agreement. The practicum course also includes a weekly didactic class that

facilitates the training process and monitors for any problems and successful completion of the practicum experience.

The culminating experience is a six credit hour applied project. For the applied project, students evaluate existing research on addiction treatment, identify gaps in the literature, and generate a study or recommendations that contribute to the field of addiction psychology. The applied project course also includes completion of a practice licensing exam that helps prepare students to obtain state licensure as an addiction counselor.

Courses listed for other requirements may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in health, behavioral health, psychology, counseling or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- two letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/addiction-psychology-masters/) for program descriptions and to request more information.

**Career Opportunities:** The Master of Science program in addiction psychology provides the knowledge, skills and experience necessary for graduates to pursue state licensure and become an addiction counselor.

Substance abuse counselor jobs can be incredibly rewarding and offer a wide variety of experiences. Graduates can find employment in substance abuse treatment centers; community mental health agencies; the primary care, integrated health and criminal justice fields; hospitals; schools and universities; and military and veterans affairs offices and hospitals.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Completion of the Master of Science program in addiction psychology does not result in licensure as an addictions counselor. Pursuit of state licensure is a part of career development and occurs subsequent to completion of a terminal degree.

State governments administer licensing and have several requirements, including educational and training requirements which this program meets, supervised work experience as a part of employment after completion of the degree, and passing a licensing exam that is administered through the state licensing entity. This program prepares students for this licensing exam, but the exam is taken after completion of the degree.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/
PSY 201
addictionms@asu.edu
480-727-4561

## African Studies (certificate), Certificate (LAAFRICACE)

**Online Degree Search Title:** African Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate program in African studies focuses on interdisciplinary study of the peoples, history and cultures of Africa and the multifaceted experiences of people of African descent in Europe and the Americas. Students gain access to an extensive range of

information and systematic knowledge committed to the new model of African and African diaspora studies that focuses on the intersections of race, culture and gender with transdisciplinary perspectives.

Courses examine interdisciplinary approaches to studying race, ethnicity, social justice, gender, citizenship and economic development. Students study issues in African and African American history, migration patterns, art, literature, religion, family life and education, as well as how race and institutional racism have impacted the development of African descended people in America and around the world.

As this certificate program offers students an international dimension to the study of peoples and cultures of African descent, students enhance their knowledge about global issues and further expand their research pursuits. The program characterizes the faculty members' intellectual and research strengths and the curriculum's transdisciplinary strategies and research approaches that highlight the continuities and disjuncture of history and experiences throughout Africa and the diaspora.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
AFR 502 Africa and African Diaspora World (3)

Electives (12 credit hours)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution. Students who are not regularly admitted to a graduate degree program may still pursue the certificate.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program. When applicable, applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in a master's degree program.

Applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Official copies of transcripts must be submitted from all college and universities where the applicant earned a bachelor's or master's degree.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Graduates will be able to employ appropriate theory and methods in the study of the African diaspora at a graduate level.
- •Graduates will be able to practically and professionally apply knowledge of the African diaspora.

**Career Opportunities:** Students who earn a graduate certificate in African studies have many career opportunities, including being able to:

- pursue a career in journalism, teaching, law enforcement, social policy, human rights or civil rights
- start their own business
- write novels or screen plays

They also may attend graduate school in any number of disciplines, including anthropology, archeology, history, political science, psychology and sociology, or attend medical school or law school.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
WILSN 125
SSTgraduate@asu.edu

480-965-7682

## American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)

**Online Degree Search Title:** American Indian Studies (Cultural Resource Revitalization and Sust), MS
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MS program in American Indian studies is a transdisciplinary program that results in students having an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge.

Students acquire problem-solving skills useful in a range of professional arenas, including government, private and nonprofit agencies. The focus of this curriculum is on languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies paradigm perspective. Delivery is mainly through in-person courses.

The cultural resource revitalization and sustainability concentration explores the development and implementation of American Indian-focused cultural resource management processes and analyzes how policies and laws can improve or hinder the protection of American Indian cultural and funerary patrimony.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).
Required Core (9 credit hours)
AIS 501 American Indian Studies Paradigms (3)
AIS 502 American Indian Studies Research Methods (3)
AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)
AIS 580 Practicum (6) or
AIS 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or nonthesis option. Thesis students are involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students should visit the admission site (https://admission.asu.edu/international/graduate/english-proficiency) for more information.

**Career Opportunities:** After leaving ASU, many graduates:
- conduct research related to indigenous culture revitalization
- direct or manage Indigenous culture organizations or companies
- facilitate indigenous community partnerships and projects

**Contact Information:**

Liberal Arts and Sciences, The College of
American Indian Studies Program
https://americanindian.asu.edu/
DISCVRY 356
aisgradadvising@asu.edu
480-965-3634

## American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)

**Online Degree Search Title:** American Indian Studies (Indigenous Rights and Social Justice), MS
**Campus:** Tempe

**Program Description:** The MS in American Indian studies is a transdisciplinary program that provides students with an intellectual and practical understanding of the issues facing American Indian populations and helps students strengthen their ability to apply that knowledge. Students acquire problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies.

The program focuses on languages, cultures, the arts, activism, histories, legal policies and education from an American Indian studies paradigm and perspective. Delivery is through in-person courses.

The Indigenous rights and social justice concentration explores the historical dimensions of colonization on American Indian political, economic and cultural institutions. Students analyze the legal, political and social implications of American Indian relationships with federal, state and local governments and investigate processes that American Indian nations and community members use to strategize and work toward social justice and Indigenous rights.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: Social Work - Standard Program, MSW

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

American Indian Studies, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).
Required Core (9 credit hours)
AIS 501 American Indian Studies Paradigms (3)
AIS 502 American Indian Studies Research Methods (3)
AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)
AIS 580 Practicum (6) or
AIS 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or nonthesis option. Thesis students are involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students should visit the admission site (https://admission.asu.edu/international/graduate/english-proficiency) for more information.

**Career Opportunities:** After leaving ASU, many graduates:

- conduct academic research related to social justice and Indigenous rights
- direct or manage Indigenous companies, organizations or nonprofits
- facilitate Indigenous partnerships and projects
- work within Native tribes to analyze social justice and Indigenous rights

**Contact Information:**
Liberal Arts and Sciences, The College of
American Indian Studies Program
https://americanindian.asu.edu/degrees/grad
DISCVRY 356
aisgradadvising@asu.edu
480-965-3634

## American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)

**Online Degree Search Title:** American Indian Studies (Tribal Leadership and Governance), MS
**Campus:** Tempe

**Program Description:** The MS in American Indian studies is a transdisciplinary program that provides students with an intellectual and practical understanding of the issues facing American Indian populations and helps students strengthen their ability to apply that knowledge. Students acquire problem-solving skills useful in a range of professional arenas, including governmental, private and nonprofit agencies.

The program focuses on languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies paradigm and perspective. Delivery is through in-person courses.

The tribal leadership and governance concentration explores traditional and modern concepts of Indian education leadership, tribal government leadership, tribal governments, decision-making and legislation, constitutional reform, planning, economic development, community development, nation rebuilding, tribal courts, administration and planning.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: Public Administration, MPA

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

American Indian Studies, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)
AIS 501 American Indian Studies Paradigms (3)
AIS 502 American Indian Studies Research Methods (3)
AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)
AIS 580 Practicum (6) or
AIS 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or nonthesis option. Thesis students are involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students should visit the Admission Services (https://admission.asu.edu/international/graduate/english-proficiency) website for more information.

**Career Opportunities:** After leaving ASU, many graduates:

- conduct academic research
- participate in tribal leadership and government
- direct or manage performing Indigenous companies or Native-related organizations
- facilitate Indigenous community partnerships and projects

**Contact Information:**
Liberal Arts and Sciences, The College of
American Indian Studies Program
https://americanindian.asu.edu/degrees/grad
DISCVRY 356
aisgradadvising@asu.edu
480-965-3634

## American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)

**Online Degree Search Title:** American Indian Studies (Visual and Oral Culture), MS
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MS program in American Indian studies is a transdisciplinary program that results in students having an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge.

Students gain problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies. The program focuses on the languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies perspective. Delivery is through in-person courses.

The visual and oral culture concentration explores and contributes to American Indian culture and history as it exists in visual, material and written

forms through creative writing, literature, poetry, film, photography, performing arts, digital arts, oral tradition, history and communication from an American Indian studies paradigm.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).
Required Core (9 credit hours)
AIS 501 American Indian Studies Paradigms (3)
AIS 502 American Indian Studies Research Methods (3)
AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)
AIS 580 Practicum (6) or
AIS 599 Thesis (6)

Additional Curriculum Information
For concentration and electives options, students should see the academic unit for approved courses.

Students select a thesis or nonthesis option. Both are research projects, but the applied project is more applied in nature. Thesis students are involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students complete a practicum project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial-level position within an organization or agency.

The required core classes emphasize the knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, Indigenous rights and social justice, cultural resource revitalization, and sustainability or tribal leadership and governance.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of a 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should visit the admission website (https://admission.asu.edu/international/graduate/english-proficiency) for more information.

**Career Opportunities:** After leaving ASU, many graduates:

- conduct academic research
- curate and produce Indigenous festivals and events
- direct or manage Indigenous art companies, studios or dance-related organizations
- facilitate community partnerships and projects with Indigenous communities

**Contact Information:**
Liberal Arts and Sciences, The College of
American Indian Studies Program
https://americanindian.asu.edu/
DISCVRY 356
aisgradadvising@asu.edu
480-965-3634

# American Studies, MA (LAAMSTMA)

**Online Degree Search Title:** American Studies, MA
**Campus:** Tempe

**Program Description:** ASU's MA program in American studies trains students in interdisciplinary approaches aimed at understanding the American experience in local and global contexts.

The array of disciplines spans the arts, humanities and social sciences, and faculty expertise covers a broad range of ethnographic, historical, literary and media studies as well as interdisciplinary and community-based approaches. Given its geographical location in the American Southwest, ASU's American studies program values an exploration of diasporic and transnational influences in U.S. cultures and social and political history.

The American studies faculty have strengths and expertise in the areas of critical ethnic studies, Indigenous studies, gender studies, Black studies, immigration studies, justice studies, disability studies, queer studies, Latino studies, transborder studies, Asian American studies, cultural studies, environmental humanities and sports studies, allowing students to focus their education around these areas.

Students gain expertise from working in a community of scholars dedicated to addressing critical questions of what America means, what American studies uncovers, and how to expand the boundaries of the new American conversation. Graduate students are immersed in conversations of how one develops, conducts and engages in research on the American experience in academia and beyond. Additionally, faculty and students explore the field of American Studies as the interdisciplinary analysis of American culture from multiple critical perspectives within transnational dynamics and exchanges.

American studies graduates can bridge a strong theoretical foundation with applied research to better equip them to enter national and international dialogues.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asian Pacific American Studies, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (AMS 593).
Required Core (3 credit hours)
AMS 502 American Studies: Theory and Method (3)

Other Requirements (3 credit hours)
Methods Course (3)

Electives or Research (18 or 21 credit hours)

Culminating Experience (3 or 6 credit hours)
AMS 593 Applied Project (3) or
AMS 599 Thesis (6)

Additional Curriculum Information
Students must complete one methods course for the degree with academic advisor approval; AMS 502 cannot be used to meet this requirement. These courses can be drawn from a wide array of units across the various campuses of Arizona State University, but students should take advantage of the SST graduate methods courses. The academic unit will send lists of SST methods courses once per semester; students should consult with their faculty advisor or chairperson and get approval from the graduate chairperson in American Studies to determine the best classes.

For electives or research, students should see the academic unit for the approved course list. Students choose 18 credit hours for the thesis option or 21 for the applied project option.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- writing sample
- curriculum vitae
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. The history program requires a TOEFL iBT score of at least 90.

The writing sample may be an article, published or unpublished; a research paper; a seminar paper; or any other extended sample of expository skill. A minimum of 4,000 to 5,000 words is required. The document should not be password protected.

The statement of purpose should be addressed to the American Studies Graduate Studies Committee. It must explain the applicant's scholarly background and training, career goals, the area of study the applicant wishes to pursue, and why the applicant wants to pursue graduate study at ASU. It must be about 500 words in length.

Two references are required. Applicants should contact faculty or professional supervisors they intend to use for references prior to listing them on the application and inform the intended recommenders that they will be receiving an email from the ASU American studies program asking them to complete a questionnaire and provide comments on the applicant's suitability for graduate study. Updated email addresses for references should be confirmed before submitting them on the application. References from family members or relations are not recommended.

**Career Opportunities:** Graduates may go on to law school, graduate school or other professional degree programs. Graduates of the Master of Arts program in American studies find success in a number of areas, in local and international contexts, including the following:

- business
- communications
- education
- government positions
- journalism
- law and medical fields
- nonprofits
- political consulting
- professional writing
- public engagement and community relations

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTgraduate@asu.edu
480-965-7682

## American Studies (Certificate), Certificate (LAAMSGRCT)

**Online Degree Search Title:** American Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The certificate program in American studies consists of interdisciplinary inquiries into the diverse cultures, global impact, social systems, gendered experiences, socioeconomic realities and political thought of the United States. The field of American studies has evolved to include an understanding of diversity in U.S. society, how the U.S. national community represents and imagines itself, how this resonates globally, and the role of social movements seeking to achieve political, legal and economic change.

The program trains students in:

- the history and trajectory of the field of American studies
- explorations of racial literacy, gender, sexuality and socioeconomic experiences grounded in historical contexts that help to understand contemporary U.S. populations

- critical methodologies, including how alternative voices are key in research, politics and policy, and social justice work
- applied research methods, particularly those that involve community involvement and engagement
- the use of storytelling and narratives to represent diverse communities and facilitate broader understanding across groups

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
AMS 502 American Studies: Theory and Method (3)

Methods (3 credit hours)
AMS 500 Research Methods (3)

Electives (9 credit hours)

Additional Curriculum Information
For electives, students select courses from an approved list provided by the academic unit.

AMS 500 may be substituted with an alternative methods course as approved by the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

**Career Opportunities:** This certificate program prepares students for careers in policy, education and teaching, urban planning, sustainability, socio-political movements, environmental impacts, advocacy, nonprofit organizations, government, journalism, law and justice, public safety and health. This certificate program is also well-suited to be paired with other professional degrees that prepare students for these careers.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
sstgraduate@asu.edu
480-965-7682

## Animal Behavior, PHD (LAANBPHD)

**Online Degree Search Title:** Animal Behavior, PhD
**Campus:** Tempe

**Program Description:** The PhD program in animal behavior is a transdisciplinary graduate degree program that provides doctoral-level training in mechanistic and functional approaches to understanding behavior in a variety of animal taxa.

The study of behavior is at the interface of several scientific disciplines, including anatomy, ecology, evolution, neuroscience and physiology. This program offers the diverse but specialized array of skills and knowledge needed to produce excellent research in animal behavior.

Students gain knowledge and skills with applied scientific value in areas such as veterinary science and mental and behavioral health in humans. The ecological focus of the program feeds into local, state and global priorities in biological conservation and ecosystem sustainability.

**Degree Requirements:**
84 credit hours, an oral and written exam, a prospectus and a dissertation.

Required Core (8 credit hours)
ANB 601 Research Strategies in Animal Behavior (4)
ANB 602 Current Issues in Animal Behavior (1)

Electives or Research (64 credit hours)

Culminating Experience (12 credit hours)
dissertation (12)

Additional Curriculum Information
Core course ANB 602 is a one credit hour course, taken four times.

The department and the student's advisor determine a plan for elective and research courses in conjunction with the student.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:
- graduate admissions application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** A doctorate in animal behavior provides strong preparation for academic careers at every level, including community colleges and research universities. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies responsible for wildlife management and conservation and for conservation-related careers in nongovernmental organizations.

Career examples include:

- animal scientist
- biology professor
- conservation biologist
- postsecondary biology teacher
- wildlife biologist

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/phd-animal-behavior
LSA 181
sols.grad@asu.edu
480-965-1768

## Anthropology, PHD (LAANTHRPHD)

**Online Degree Search Title:** Anthropology, PhD
**Campus:** Tempe

**Program Description:** The School of Human Evolution and Social Change is an excellent choice for students interested in pursuing a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology

- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study in order to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars who are able to contribute not only to their chosen field but also to finding solutions to humankind's greatest challenges. This program provides training in data analysis and research design within the context of human evolution, archaeology and the wider field of anthropology. Through anthropological coursework, students learn how to ask important questions about the human species and employ statistics to analyze and extract meaning from data. Students will learn to appreciate humanity's place in nature and the long history of human societal change.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hours required for the doctorate. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Undergraduate coursework in anthropology is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants also may submit with their application materials an optional scholarly writing sample not to exceed 30 double-spaced pages.

**Career Opportunities:** The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought-after for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/degree/graduate/phd-anthropology
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)

**Online Degree Search Title:** Anthropology (Complex Adaptive Systems Science), PhD
**Campus:** Tempe

**Program Description:** The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology: archaeology, bioarcheology, evolutionary anthropology and sociocultural anthropology. It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context.

The flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines; these include applied mathematics, chemistry, environmental economics, epidemiology, formal modeling, genetics, sociology, sustainability, technology and society, and urban planning.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but to finding solutions to humankind's greatest challenges.

This degree program provides training in data analysis and research design within the context of human evolution, archaeology and the wider field of anthropology. In this program, through anthropological coursework, students learn how to ask important questions about the human species and employ statistics to analyze and extract meaning from data. Students learn to appreciate their place in nature and the long history of human societal change that brought them to where they are today.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree program. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctoral degree program.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, 12 credit hours are selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study and they typically have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Undergraduate coursework in anthropology is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

**Career Opportunities:** The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/degrees/graduate
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Anthropology (Urbanism), PHD (LAURBPHD)

**Online Degree Search Title:** Anthropology (Urbanism), PhD
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology:

- archaeology
- bioarcheology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines when exploring specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics

- chemistry
- environmental
- economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but to finding solutions to humankind's greatest challenges. The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students are able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

This degree program provides training in data analysis and research design within the context of human evolution, archaeology and the wider field of anthropology. In this program, through anthropological coursework, students learn how to ask important questions about the human species and employ statistics to analyze and extract meaning from data. Students learn to appreciate their place in nature and the long history of human societal change that brought them to where they are today.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in urbanism, 15 credit hours are selected from an approved list of applicable courses related to urbanism. These courses include the core urbanism course, GCU 516, as well as one course from each of the four urbanism clusters. These clusters are:

- built form
- culture and society
- institutions and governance
- natural environment

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Undergraduate coursework in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants may include with their application materials an optional scholarly writing sample, not to exceed 30 double-spaced pages.

**Career Opportunities:** The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Applied Behavior Analysis, MS (LAAPBAMS)

**Online Degree Search Title:** Applied Behavior Analysis, MS
**Campus:** Tempe

**Program Description:** Offered by the Department of Psychology, this MS program in applied behavior analysis is a full-time, scientifically based, two-year program that meets the Behavior Analyst Certification Board® fifth-edition task list for coursework with 345 classroom hours and 2,000 hours of supervised practicum fieldwork.

Successful graduates are able to sit for BACB® certification and, once certified, are eligible for state-licensure. The program's learning outcomes include mastery across three major areas as identified by the certification board: basic behavior-analytic skills, client-centered responsibilities and foundational knowledge.

Applied behavior analysis training in the Department of Psychology at ASU includes supervised experience and instruction in:

- behavior analytic attitudes such as determinism, empiricism and parsimony
- fundamental elements of behavior change and behavior change procedures
- identification, assessments and interventions for behavioral excesses, deficiencies and challenging behavior
- professional ethics and conduct of applied behavior analysis
- training others in the science and practice of applied behavior analysis
- use of different behavioral measurement types and systems
- use of experimental designs to determine relationships among and between measurement, relevant variables and behavior

**Degree Requirements:**
42 credit hours including the required applied project course (PSB 593).
Required Core (24 credit hours)
PSB 501 Basic Principles of Applied Behavior Analysis (3)
PSB 510 Basic Principles of Experimental Analysis of Behavior (2)
PSB 511 Advanced Research Methods (2)
PSB 520 Ethical Issues and Professional Standards in Applied Behavior Analysis (3)
PSB 530 Behavioral Observation and Functional Assessment (3)
PSB 540 Development of Applied Behavioral Intervention Programs (3)
PSB 563 Basic Principles of Organizational Behavior Management (2)
PSB 573 Advanced Principles of Learning and Analysis of Behavior (3)
PSB 578 Applied Behavior Analysis in Developmental Disorders (3)

Electives or Research (4 credit hours)
PSB 591 Seminar (2)
PSB 598 Special Topics (2)

Other Requirements (9 credit hours)
PSB 580 Practicum: Applied Behavior Analysis (5)
PSB 583 Fieldwork: Applied Behavior Analysis (4)

Culminating Experience (5 credit hours)
PSB 593 Applied Project (5)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in psychology, human development, sociology or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose form
- curriculum vitae or resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The application is completed online through ASU's Graduate Admission Services website. Applicants should upload their unofficial transcripts to the application before submitting.

It is strongly recommended that applicants download and print the Master of Science in applied behavior analysis admission checklist from the Department of Psychology website to ensure completion of the application process and inclusion of all the required supplemental forms.

The statement of purpose form should describe professional and academic aspirations.

Applicants must submit two letters of recommendation from professionals or faculty who can speak to the applicant's abilities.

**Career Opportunities:** Graduates are positioned to be highly sought-after in the human services sector. With an evidence-based practice orientation, Board Certified Behavior Analysts® are charged with assessment of socially significant behaviors and developing interventions to promote adaptive, flexible behavior and to provide alternative responses to challenging behavior. The domains into which graduates of the program go are vast. Below is a list of some potential careers:

- assistant clinical director
- behavior specialist
- Board Certified Behavior Analyst®
- clinical director

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/degree/graduate/ms-applied-behavior-analysis
PSY 243
msabapsych@asu.edu
480-727-4561

## Applied Linguistics, PHD (EDAPLPHD)

**Online Degree Search Title:** Applied Linguistics, PhD
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** Applied linguistics combines research topics in the linguistics sciences and education, to pursue principled approaches to

language-related concerns. The PhD program in applied linguistics is focused on simultaneous and developmental bilingualism in children and adolescents.

Faculty participate in the program from within multiple curricular units across the institution's four campuses. The program encourages transdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Foundation Coursework (18 credit hours)
Overview of the Field: A three-credit course providing a survey of the field of applied linguistics is required. (3)
Linguistics: Coursework in theoretical linguistics, including one approved linguistics elective, is required. (15)

Teaching Internship (1 credit hour)

Colloquia (8 credit hours)
A four-semester sequence of two-credit colloquium meetings is required for students in the first two years.

Research Methods (6 credit hours)
Students must take two courses in research methods, selected in consultation with the advisor.

Research Specialization (33 credit hours)
In consultation with the program director, students take 11 three-credit courses in their field of specialization.

Breadth (6 credit hours)
Two courses in a secondary concentration area are required.

Dissertation (12 credit hours)

Additional Curriculum Information
An oral defense of the dissertation is required.

There must be a minimum of 54 credit hours beyond the master's degree level, including a minimum of 12 units of dissertation credit. All students in the program must satisfy 18 credit hours of foundation coursework.

Because applied linguistics is transdisciplinary in nature, applicants may differ from one another with regard to their prior experience and preparation. For instance, while some applicants may have substantial prior training in core theoretical linguistics (foundations), others may have considerable preparation in an area related to a supported concentration. Students should consult the program director for assistance in planning their degree programs. The program director may address potential redundancies in a student's program requirements with prior academic preparation by allocating a maximum of 30 credit hours from an awarded and approved graduate degree toward the applied linguistics program requirements, or the director may permit the student to take additional elective courses in lieu of introductory courses covered in an undergraduate program.

Language Requirement: Students in the applied linguistics doctoral program must demonstrate proficiency in a second language equivalent to two years of study. A language appropriate to the student's area of interest is selected in consultation with the advisor. The language requirement must be satisfied by examination or coursework prior to advancement to candidacy. Computer or other nonhuman languages may not be used to satisfy this requirement. Students for whom English is a second language may use their first language to satisfy the requirement by examination. Course credit used to satisfy the language requirement cannot be used to satisfy other program requirements and cannot be counted toward the total required 84 credit hours.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field

- GRE general test scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students should see the Department of English website for specific details about English proficiency requirements.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

-
-
-

**Career Opportunities:** The program prepares students for entrance into the field as teachers, scholars and professionals.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/node/242
RBHL 125
enggrad@asu.edu
480-965-3194

## Applied Mathematics, PHD (LAAPMPHD)

**Online Degree Search Title:** Applied Mathematics, PhD
**Campus:** Tempe

**Program Description:** This PhD program in applied mathematics is intended for students with superior computational and mathematical modeling ability. It emphasizes a solid mathematical foundation and promotes creative scholarship in an application discipline.

The School of Mathematical and Statistical Sciences at Arizona State University has faculty in applied mathematics with outstanding transdisciplinary research programs with strong external funding. Current research interests include mathematical epidemiology and mathematical ecology, mathematical neuroscience, environmental fluid dynamics and high performance computing, imaging and inverse problems, supply chain dynamics, control and optimization, computational methods for ordinary and partial differential equations, analysis of differential equations, and geophysical and environmental fluid dynamics.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
APM 505 Applied Linear Algebra (3)

Other Requirements (12 credit hours)
APM 501 Differential Equations I (3)
APM 502 Differential Equations II (3)
APM 503 Applied Analysis (3)
APM 504 Applied Probability and Stochastic Processes (3)
APM 506 Computational Methods (3)

Electives and Research (57 credit hours)

Culminating Experience (12 credit hours)
APM 799 Dissertation (12)

Additional Curriculum Information
Students must pass:

- two qualifying examinations
- a written comprehensive examination
- an oral dissertation prospectus defense.

Students should see the department website for examination information.

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

Electives are to be chosen from math or related area courses approved by the student's supervisory committee.

Students choose four out of the five courses listed for other requirements.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, applied mathematics, economics, engineering or a natural science from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

To demonstrate their competitiveness in an applicant pool, applicants must show evidence of coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371). It is desirable that they have scientific programming skills.

**Career Opportunities:** Foundational knowledge in mathematics is required for building careers in science and technology. It can be applied in many different types of professions in fields like engineering, life sciences, business, and economic and social sciences. These are just a few of the top careers possible with a doctorate in applied mathematics:

- biostatistician
- data scientist
- engineer
- financial analyst
- government and military research
- industrial research
- mathematical modeling expert
- mathematician
- medical researcher
- operations research analyst
- university instructor and faculty

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/degrees/graduate
WXLR A213
grad.math@asu.edu
480-965-3951

## Applied Prevention Science (Certificate), Certificate (LAAPSGRCT)

**Online Degree Search Title:** Applied Prevention Science (Graduate Certificate)
**Campus:** Tempe, Online
ASU is not currently accepting applications for this program.
**Program Description:** This graduate certificate program provides foundational and theoretical knowledge necessary for employment in the field of mental illness prevention and health promotion.

The program offers five courses totaling 15 credits. Training is self-directed, with one-on-one feedback from faculty. Specific training areas and assignments are highly relevant to job demands, including community-based program evaluation, evidence-based psychosocial interventions, prevention ethics including in diverse settings and with diverse populations, and community psychology, advocacy, and funding seeking for prevention programming initiations and sustainment.

**Degree Requirements:**
15 credit hours.
Required Core (15 credit hours)
PSY 563 Prevention Planning and Evaluation in Service Settings (3)
PSY 564 Prevention Education, Communication and Service Delivery (3)
PSY 567 Prevention Organization and Community Change (3)
PSY 569 Professional Ethics, Growth and Responsibility in Prevention (3)
PSY 678 Preventive Psychosocial Interventions that Work (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or in any health, mental health, or counseling-related field, from a regionally accredited institution, or an equivalent degree from an international institution that is officially recognized by that country.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/applied-prevention-science-graduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** The certificate program in applied prevention science is valuable for those aspiring to work in fields that provide services to children and families in diverse settings such as schools, courts, community health centers and mental health agencies, child welfare, home visiting programs, foster care services and tribal behavioral health.

Career examples include:

- behavioral health specialist
- community and social service specialists
- community health worker
- prevention specialist

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/
PSY 162
prevention@asu.edu
480-727-7082

## Asian Languages and Civilizations (Chinese), MA (LACHINAMA)

**Online Degree Search Title:** Asian Languages/Civilizations (Chinese), MA
**Campus:** Tempe

**Program Description:** The Chinese graduate program in the School of International Letters and Cultures offers an MA degree with a focus in one of two areas: culture (literature, linguistics, religion) or pedagogy.

The two areas of instruction are designed to prepare students to succeed in Chinese language environments with cultural competence. Each of these two areas also introduce students to the fundamentals of sinology and East Asian studies, which can prepare them for further scholarly,

educational and professional pursuits.

The focus on culture (literature, linguistics, religion) provides disciplinary training that allows students to achieve in-depth command of spoken, aural and oral Mandarin Chinese as well as written literary Chinese.

The pedagogy focus is intended for students whose major interest is in teaching modern Chinese in K-16 environments. Students are trained in communicative and task-based language teaching approaches embedded within appropriate cultural contexts, as well as developing solid foundations in teaching Chinese literacy, pronunciation and linguistic systems.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (CHI 593).
Required Core (3 credit hours)
CHI 501/JPN 501 Proseminar: East Asian Humanities (3)

Concentration (3 credit hours)
SLC 596 Second Language Methodologies (3)

Electives (15 credit hours)

Other Requirements (3 credit hours)
CHI 598 Topic: History of the Chinese Language (3)

Culminating Experience (6 credit hours)
CHI 593 Applied Project (6) or
CHI 599 Thesis (6)

Additional Curriculum Information
The Master of Arts in Asian languages and civilizations has concentrations in Chinese and Japanese. Students in the Chinese concentration take CHI 501 as required core and students in the Japanese concentration take JPN 501 for core. The course is cross-listed.

Electives are selected in consultation with the program chairperson.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Chinese or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The writing sample should represent the applicant's thinking and writing skills on a topic connected with Chinese culture.

Candidates for the master's degree should present the equivalent of an undergraduate major in Chinese upon entrance to the program. Those who lack this background but show strong potential and meet the Graduate College admission requirements, including those with regard to English proficiency, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

**Career Opportunities:** Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sectors such as governmental, diplomatic and international business career opportunities.

Career examples include:

- foreign service
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers
- state department employees
- supply chain managers
- teachers and professors of area, ethnic and cultural studies
- teachers and professors of foreign language and literature

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/ma-asian-langcivchinese
DH 318
silc@asu.edu
480-965-6281

## Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)

**Online Degree Search Title:** Asian Languages/Civilizations (Japanese), MA
**Campus:** Tempe

**Program Description:** The Asian languages faculty in the School of International Letters and Cultures offer a graduate program leading to an MA in Asian languages and civilizations with a concentration in Japanese.

ASU's Japanese master's degree program allows students to pursue their interests in Japanese history, literature and culture through advanced training in modern and classical Japanese, and through in-depth study of specific historical and cultural periods.

The training equips students with the skills to do original research in primary sources and with the critical and methodological background to understand their chosen fields. Areas of particular faculty strength include early modern and modern literature; film, animation and popular culture; translation studies; modern history; Japan's warrior cultures; and transnational studies, especially Sino-Japanese literary and cultural relations and kanshibun genres.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (JPN 593).
Required Core (3 credit hours)
CHI 501/JPN 501 Proseminar: East Asian Humanities (3)

Concentration (3 credit hours)
JPN 586 History of Japanology (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)
JPN 593 Applied Project (6) or
JPN 599 Thesis (6)

Additional Curriculum Information
The MA in Asian languages and civilizations has concentrations in Chinese and Japanese. Students in the Chinese concentration take CHI 501 as required core and students in the Japanese concentration take JPN 501 for core. The course is cross-listed.

Electives are selected in consultation with the program chairperson.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Japanese or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The writing sample should represent the applicant's thinking and writing skills on a topic connected with Japanese culture. An academic writing sample, such as a research paper from a previous course, is preferred. The personal statement should highlight the applicant's motivations and skills and indicate why they are interested in the Japanese graduate program. Candidates for the program should present the equivalent of an undergraduate major in Japanese upon entrance to the program. Those who lack this background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a conditional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

Students should see the School of International Letters and Cultures website for more information.

**Career Opportunities:** Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- foreign service
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers
- state department
- supply chain managers
- teachers and professors of area, ethnic and cultural studies
- teachers and professors of foreign languages and literature

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/ma-asian-langcivjapanese
DH 318
silc@asu.edu
480-965-6281

## Asian Studies (certificate), Certificate (LAASIANCE)

**Online Degree Search Title:** Asian Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate program in Asian studies offers graduate students a transdisciplinary specialization in Asian language and area studies.

The certificate program is available in two tracks. The East Asia track includes China, Japan and Korea, and the Southeast Asia track includes Burma, Laos, Thailand, Vietnam, Malaysia, Singapore, Indonesia, the Philippines, Brunei and Timor Leste.

**Degree Requirements:**
18 credit hours.
Required Core (6 credit hours)
two courses at the 500 level or above dealing with Asian content from a single discipline

Electives (6 credit hours)
two courses at the 500 level or above dealing with Asian content from a discipline other than that chosen for the core courses

Other Requirements (6 credit hours)
language proficiency requirement: two courses at the 400 level or above in one Asian language (Chinese, Indonesian, Japanese, Korean, Thai,

Vietnamese)

Additional Curricular Information
Students work closely with a faculty advisor from the Center for Asian Research to develop a cohesive curriculum tailored to their individual goals and interests.

Some of the coursework from the discipline in which the student is earning a graduate degree may be used to satisfy these requirements.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Graduate students currently enrolled in any discipline may pursue a certificate in Asian studies in conjunction with their degree program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** The graduate certificate program in Asian studies provides students with training and knowledge relevant to careers in government, nongovernmental organizations, nonprofit organizations, global relationships, intercultural understanding, foreign service, researchers, professional writing and community college teaching.

Career examples include:

- cultural center associate
- language interpreter
- historical society and exhibit curator
- teacher or instructor

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/degree/graduate/certificate-asian-studies
COOR 6613
asia@asu.edu
480-727-0968

## Astrophysics, PHD (LAASTPHPHD)

**Online Degree Search Title:** Astrophysics, PhD
**Campus:** Tempe

**Program Description:** The PhD program in astrophysics develops creative scholarship in students and prepares them for professional careers in astrophysics, astronomy or related fields.

Students in this program take graduate-level courses in stars and interstellar media, galaxies, and cosmology; obtain quantitative skills through analysis and modelling; may have observing opportunities through regional and international telescope observatories; and conduct independent, fundamental, astrophysical research. Graduate students work closely with a research advisor on a wide range of topics including theoretical physics, cosmology, galaxy dynamics, stellar evolution, exoplanets, and developing and building instrumentation.

Graduate students in astrophysics become leaders in observational and theoretical research; they participate in NASA- and NSF-funded space missions and study topics such as how stars are born and die, how galaxies interact and evolve, and how the universe changed as it developed from its earliest beginnings.

The program's world-class faculty have research expertise across the full breadth of astrophysics including the solar system, stars and galaxies

from the Milky Way and the most distant galaxies in the universe. Current ASU research applies both computational and observational approaches to the exploration of a range of topics such as fundamental cosmology and whether there is life on exoplanets.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (53 credit hours)

Other Requirements: Astrophysics Sequence (9 credit hours)
AST 521 Stars and Interstellar Medium I (3)
AST 522 Stars and Interstellar Medium II (3)
AST 591 Seminar: Astrophysics (2)
SES 501 SESE Colloquium (1)

Other Requirements: Galaxies and Cosmology Sequence, pick one (3 credit hours)
AST 531 Galaxies and Cosmology I (3)
AST 532 Galaxies and Cosmology II (3)
AST 533 Galaxies and Cosmology III (3)

Other Requirements: Exoplanets and Planetary Science Sequence, pick one (3 credit hours)
AST 598 Topic: Origins of Solar Systems (3)
AST 598 Topic: Exploring Exoplanets (3)
SES 598 Topic: Water in the Solar System (3)

Other Requirements: Instrumentation and Techniques Sequence, pick one (3 credit hours)
AST 540 Astronomical Instrumentation and Data Analysis (3)
SES 598 Topic: Astrostatistics (3)
SES 598 Topic: Spectroscopy for Astrophysics (3)
SES 598 Topic: Introductory Radio Astronomy (3)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree.

Substitutions for other requirement courses may be made per department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Professionals with expertise in astrophysics are in high demand across all sectors and industries, including remote sensing, data science, instrument building, computational science, defense industries and scientific research. Coding and numerical modeling skills translate across many domains, even beyond astrophysics. Skills in the measurement and analysis of data related to the physics, chemistry, structure of the universe and exoplanetary systems are valuable to businesses and institutions relying on data-driven strategies to explore beyond the Earth and solar system.

A doctoral degree in astrophysics is required for some careers in post-secondary education and research.

Career examples include:

- astrophysics professor
- data scientist
- instrument builder
- project manager
- research astronomer
- telescope operator

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Astrophysics and Astronomy, MS (LAASTPHMS)

**Online Degree Search Title:** Astrophysics and Astronomy, MS
**Campus:** Tempe

**Program Description:** The MS program in astrophysics and astronomy provides fundamental graduate training in both astrophysics and astronomy.

Students take graduate-level courses in stars and interstellar media, galaxies, and cosmology; obtain quantitative skills through analysis and modelling, and they may have observation opportunities through regional and international telescope observatories.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Earth and Space Exploration, BS
Earth and Space Exploration (Astrobiology and Biogeosciences), BS
Earth and Space Exploration (Astrophysics), BS
Earth and Space Exploration (Exploration Systems Design), BS
Earth and Space Exploration (Geological Sciences), BS
Electrical Engineering, BSE
Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis.
Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (5 credit hours)

Other Requirements: Astrophysics Sequence (9 credit hours)
AST 521 Stars and Interstellar Medium I (3)
AST 522 Stars and Interstellar Medium II (3)
AST 591 Seminar: Astrophysics (2)
SES 501 SESE Colloquium (1)

Other Requirements: Galaxies and Cosmology Sequence, pick one (3 credit hours)
AST 531 Galaxies and Cosmology I (3)
AST 532 Galaxies and Cosmology II (3)
AST 533 Galaxies and Cosmology III (3)

Other Requirements: Exoplanets and Planetary Science Sequence, pick one (3 credit hours)
AST 598 Topic: Origins of Solar Systems (3)
AST 598 Topic: Exploring Exoplanets (3)
SES 598 Topic: Water in the Solar System (3)

Other Requirements: Instrumentation and Techniques Sequence, pick one (3 credit hours)
AST 540 Astronomical Instrumentation and Data Analysis (3)
SES 598 Topic: Astrostatistics (3)
SES 598 Topic: Spectroscopy for Astrophysics (3)
SES 598 Topic: Introductory Radio Astronomy (3)

Culminating Experience (6 credit hours)
SES 599 Thesis (6)

Additional Curriculum Information
Substitutions for other requirements courses may be made per department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Professionals with expertise in astrophysics and astronomy are in high demand across all sectors and industries, including remote sensing, data science, building instruments, and scientific research. Coding and numerical modeling skills translate across many domains, even beyond astrophysics. Skills in the measurement and analysis of data related to the physics, chemistry, and structure of the universe and exoplanetary systems are valuable to businesses and institutions relying on data-driven strategies to explore beyond the Earth and solar system.

This degree program prepares candidates for further graduate study or for careers in related fields such as scientific staff positions at government laboratories, teaching at the community college level and technical positions in industry. Career examples include:

- data scientist
- research astronomer
- telescope operator

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Atmospheric Science (certificate), Certificate (LAATMOSCE)

**Online Degree Search Title:** Atmospheric Science (Graduate Certificate)
**Campus:** Tempe
This program is not currently accepting applications.
**Program Description:** The transdisciplinary certificate in atmospheric science is administered by an executive committee composed of faculty from the Ira A. Fulton Schools of Engineering and The College of Liberal Arts and Sciences. The objective of this program is to recognize Arizona State University graduate students who complete a dissertation on a topic related to the atmospheric or oceanic sciences under the supervision of a faculty member from one of the cooperating departments.

**Degree Requirements:**

16 credit hours.
A minimum of 16 credit hours is required in order to qualify for the atmospheric science certificate, consisting of:

three 3 credit hour courses from a list of courses in the core disciplines (9)
two 3 credit hour courses from a list of electives at the 400 level or above (6)
a capstone seminar (1)

Considering the diversity of courses and in order to ensure a transdisciplinary flavor, all prospective recipients have the certificate program approved by the certificate executive committee. Certificates only are awarded to students who are enrolled in an MA, MS, MNS or PhD program at ASU. The student's thesis or dissertation must also be related to some aspect of atmospheric science.

The core courses are offered at least once every other year, so the certificate may be completed within two years.

Specific requirements are:

approval by the certificate committee of the student's proposed course selection
completion of one course from each of the core disciplines with a grade of "B" (3.00) or better
completion of two courses from the list of electives with a grade of "B" (3.00) or better
completion of the capstone seminar, which is one credit hour
completion of a dissertation on a topic related to the atmospheric or oceanic sciences

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Biochemistry, MS (LABIOCHMS)

**Online Degree Search Title:** Biochemistry, MS
**Campus:** Tempe

**Program Description:** Students earning an MS degree in biochemistry in the School of Molecular Sciences are trained in the fundamental aspects of the discipline, but most also choose to learn by joining transdisciplinary teams that work on larger, mission-based contemporary problems in areas such as:

- biogeochemistry
- energy and sustainability
- fundamental chemical biology
- materials and nanoscience
- medicine and health
- structure function and dynamics

The master's degree program in biochemistry provides students with the training they need to solve biological problems at the molecular scale and to contribute to research in current challenging societal issues.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (BCH 597).
Required Core (4 credit hours)
BCH 501 Current Topics in Biochemistry or CHM 501 Current Topics in Chemistry (4)

Electives (12 or 18 credit hours)

Other Requirements (5 or 8 credit hours)
BCH 501 Current Topics in Biochemistry or CHM 501 Current Topics in Chemistry (2)
BCH 591 Seminar (3)
BCH 592 Research (8)

Culminating Experience (3 or 6 credits)
BCH 597 Capstone (3)
BCH 599 Thesis (6)

Additional Curriculum Information
Students will choose one of the culminating experience options listed above. The credit hours required for the electives and other requirements depend on the culminating experience chosen, as all students must complete 30 credit hours for this degree program. Students who choose the thesis option complete 12 credit hours of electives as well as BCH 592 for eight credit hours. Students who choose the capstone option complete 18 credit hours of electives as well as two additional credit hours of CHM 501 or BCH 501 and three credit hours of BCH 591.

The program consists of coursework and seminars as well as a research component (extensiveness dependent upon culminating experience).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry have opportunities in five general areas: industry (R&D, quality control), academia (high school and higher education), government (research, policy), nonprofit (policy, public education), and entrepreneurship (consulting, start-ups). In addition to specialized technical skills, graduates possess many high-demand skills, like critical thinking, teamwork and collaboration, and time management.

Some career examples include:

- chemistry lecturer
- drug discovery scientist
- government scientist
- high school teacher
- pharmacology scientist
- research and development scientist
- science consultant

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers on their website at https://www.acs.org/careers/chemical-sciences.html (https://www.acs.org/careers/chemical-sciences.html).

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/Graduate-Study/MS
PSC 116-L1
smsgrad@asu.edu
480-965-4664

## Biochemistry, PHD (LABIOCHPHD)

**Online Degree Search Title:** Biochemistry, PhD
**Campus:** Tempe

**Program Description:** The PhD program in biochemistry through the School of Molecular Sciences provides students with the training they need to solve biological problems at the molecular scale and to be successful, independent scientists who can contribute to current challenging societal issues.

Students earning a doctoral degree in biochemistry are fully trained in all fundamental aspects of the discipline. Most also choose to join transdisciplinary teams that work on larger, mission-based contemporary problems in areas such as:

- biogeochemistry
- energy and sustainability
- fundamental chemical biology
- materials and nanoscience
- medicine and health
- structure function and dynamics

Students should visit the prospective student site to learn more about this doctoral program (https://sms.asu.edu/graduate-study) and the graduate research page (https://sms.asu.edu/graduate-study/research) to learn more about the cutting-edge, transdisciplinary research being conducted in the School of Molecular Sciences.

The doctoral program in biochemistry prepares students for professional careers in industry, government and academia.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
six graduate-level courses (12-18)
enrollment in a BCH 501/CHM 501 seminar (8)
BCH 792 Research (46-52)
BCH 799 Dissertation (12)

Additional Curriculum Information
The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense. Students must also maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

In addition to the admission application, applicants must complete an online supplemental application to the School of Molecular Sciences. The supplemental application is available 24 to 48 hours after submission of the admission application. The personal statement and contact information

for the letters of recommendation are submitted as part of the supplemental application. Information about the supplemental application can be found on the department's website. Applications lacking a supplemental application are not reviewed.

**Career Opportunities:** Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry have opportunities in five general areas:

- industry (R&D, quality control)
- academia (high school and higher education)
- government (research, policy)
- nonprofit (policy, public education)
- entrepreneurship (consulting, start-ups).

In addition to specialized technical skills, graduates possess high-demand skills like critical thinking, teamwork and collaboration, time management and many others.

Some career examples include:

- chemistry lecturer
- drug discovery scientist
- government scientist
- pharmacology scientist
- research and development scientist
- research group leader
- science consultant
- university professor

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers on their website at https://www.acs.org/careers/chemical-sciences.html (https://www.acs.org/careers/chemical-sciences.html).

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/Graduate-Study/Biochemistry-PhD
PSC 116-L1
smsgrad@asu.edu
480-965-4664

## Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)

**Online Degree Search Title:** Biochemistry (Medicinal Chemistry), MS
**Campus:** Tempe

**Program Description:** Students earning an MS in biochemistry with a concentration in medicinal chemistry from the School of Molecular Sciences are trained in the fundamental aspects of the discipline while joining transdisciplinary teams that work on larger, mission-based contemporary problems in areas such as:

- fundamental chemical biology
- medicine and health
- structure function and dynamics

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biochemistry, BS
Biochemistry (Medicinal Chemistry), BS
Chemistry, BS
Molecular Biosciences and Biotechnology, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project (research paper) course (CHM 593 or BCH 593).

A minimum of 30 credit hours is required, including coursework, seminars, research, and an applied project consisting of a written research paper. Courses are selected by students in consultation with their supervisory committee based on the research area.

The Master of Science in biochemistry is awarded when the student has obtained a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in coursework, demonstrated quality performance in the laboratory and completion of the research project, completed and presented an approved research paper at an oral defense to the student's supervisory committee, and met all deadline dates and requirements set by the Graduate College.

A program fee in the amount of $300 per semester is required in addition to the normal tuition.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants interested in pursuing the accelerated degree program should review the requirements and submit a pre-application found on the School of Molecular Sciences (https://sms.asu.edu/Graduate-Study/MedChem) website prior to submitting a formal Graduate Admission Services application to the degree program.

**Career Opportunities:** This program is intended for students who plan to continue their educational training in pharmacy or medical school or in a related field and want to expand their background knowledge in biochemistry before beginning their professional education.

Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry have opportunities in five general areas: industry (R&D, quality control), academia (high school and higher education), government (research, policy), nonprofit (policy, public education) and entrepreneurship (consulting, startups). In addition to specialized technical skills, graduates possess vital, high-demand skills, such as critical thinking, teamwork and collaboration, and time management.

Some career examples include:

- chemistry lecturer
- drug discovery scientist
- high school teacher
- medical doctor
- medical lab technician
- pharmacist
- pharmacology scientist
- research and development scientist
- veterinarian

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers on their website at https://www.acs.org/careers/chemical-sciences.html (https://www.acs.org/careers/chemical-sciences.html).

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/Graduate-Study/MedChem
PSC 116-L1
smsgrad@asu.edu
480-965-4664

## Biology, MS (LABIOMS)

**Online Degree Search Title:** Biology, MS

**Campus:** Tempe, Online

**Program Description:** The MS in biology is a flexible degree program based around a student's individual interests, allowing them to explore areas of biology that thrive outside of traditional boundaries. This degree complements other, more specialized life sciences programs, allowing both interdisciplinary and traditional approaches. Courses include laboratory, field and theoretical work.

This program currently admits students to either a thesis-based pathway or a coursework and capstone option. Students in the thesis pathway receive hands-on training and craft an individualized plan of study focused specifically on their own research interests. They work closely with an advisor from ASU's faculty of top-tier scientists doing research at the cutting edge of their fields. Students develop foundational research skills in the course of designing and completing their own research project.

In the coursework and capstone pathway, students build an individualized curriculum from a wide variety of courses taught by global experts. In their final semester, they delve more deeply into their own area of interest by completing a capstone project. This option is ideal for students who do not need intensive research training but want to deepen and expand their biological knowledge and skills. The coursework and capstone pathway is also available in an online format.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Biomedical Sciences), BS
Biological Sciences (Conservation Biology and Ecology), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Microbiology, BS
Microbiology (Medical Microbiology), BS
Molecular Biosciences and Biotechnology, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including a portfolio, or 30 credit hours including a written comprehensive exam, or 30 credit hours including the required applied project course (BIO 593), or 30 credit hours including the required capstone course (BIO 597).
Required Core (3 credit hours)
BIO 541 SOLS Seminar Series (1)
BIO 542 SOLS Current Topics in the Life Sciences (1)
BIO 610 Introduction to Responsible Conduct of Research (RCR) in Life Sciences (1) or BIO 611 Current Topics in Responsible Conduct of Research (RCR) in the Life Sciences (1)

Electives (21-27 credit hours)

Culminating Experience (0-6 credit hours)
BIO 593 Applied Project (3)
BIO 597 Capstone (3)
BIO 599 Thesis (6)
portfolio (0)
written comprehensive exam (0)

Additional Curriculum Information
Students choose one of five culminating experience options listed above. The credit hours required for the electives depends on the culminating experience chosen as all students must complete 30 credit hours for this degree program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

It is desired that applicants have research experience.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/biology-ms/) for program descriptions and to request more information.

**Career Opportunities:** This master's degree program prepares students for life sciences careers in educational, medical, industrial and governmental institutions.

The thesis pathway is ideal for those pursuing research-intensive careers in academic or business settings. The coursework and capstone option is for those seeking careers in which deeper biological knowledge is valuable, such as secondary school teachers reaching for higher certifications, biotechnicians who want to add conceptual depth or analytical abilities to their laboratory skills, and writers who want to expand their scientific expertise.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- instructors at community colleges
- researchers and technicians in government labs and nonprofit organizations
- science teachers in elementary and high schools
- science writers
- wildlife, animal and conservation scientists

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/ms-biology--ms
LSA 181
sols.grad@asu.edu
480-965-1768

## Biology, PHD (LABIOPHD)

**Online Degree Search Title:** Biology, PhD
**Campus:** Tempe

**Program Description:** The PhD program in biology offers individualized courses of study tailored to students' interests that include laboratory, field and theoretical work. Flexibility in the program is achieved by requiring only one core class, which is a choice between two topics that cover the breadth of the research directions in this program.

Electives are also as flexible as possible and include areas outside of biology. The major goal is to provide students with the opportunity to create an adaptable and general degree program that allows both traditional and interdisciplinary approaches in any area of biology.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 or 4 credit hours)
BIO 514 Statistical Models for Biology (4) or
BIO 620 Research Prospectus Writing (3)

Electives (67 or 68 credit hours)

Other Requirements (1 credit hour)

BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)

Culminating Experience (12 credit hours)
BIO 799 Dissertation (12)

Additional Curriculum Information
The program is tailored to the needs of the individual student. The plan of study is developed by the student and a supervisory committee consisting of a major professor and three additional faculty members. The electives credit hours are comprised of coursework showing breadth in biology subdisciplines, seminars and research.

An oral comprehensive examination is required in order to advance to candidacy and a formal defense of the final written dissertation is required prior to graduation.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology or a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:
- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Research experience is desired for entry into this program.

**Career Opportunities:** Those who have earned a doctorate in biology are prepared for academic careers at every level, from community colleges to research universities, and their skills and knowledge are also valuable for government careers with federal and state agencies responsible for wildlife management and conservation and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- principal investigators in government labs and nonprofit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools
- wildlife, animal and conservation scientists

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/phd-biology--phd
LSA 181
sols.grad@asu.edu
480-965-1768

## Biology (Biology and Society), MS (LABIOSMS)

**Online Degree Search Title:** Biology (Biology and Society), MS
**Campus:** Tempe

**Program Description:** In the biology and society concentration of the MS program in biology, students examine topics in which biology intersects with society.

The concentration tailors individual plans of study to individual needs and interests, with a solid grounding in the life and related sciences and with a rigorous analytical and interdisciplinary education. The program offers suggested courses for those wishing to focus on these areas: bioethics,

policy and law; biology education research; ecology, economics and ethics of the environment; and history and philosophy of science.

Bioethics, policy and law --- Students are trained in the pressing moral, policy and legal issues raised by the biosciences and biomedicine and in the disciplinary methods necessary to address these issues.

Biology education research --- This focuses on using education research to identify ways to improve undergraduate biology education broadly.

Ecology, economics and ethics of the environment --- This area trains students in the theory and empirical methods for understanding, analyzing and shaping policy for coupled human-natural systems.

History and philosophy of science --- Students are trained in the conceptual foundations of science, especially the epistemological and methodological assumptions that shape science and its progress.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Biomedical Sciences), BS
Biological Sciences (Conservation Biology and Ecology), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis.
An individual student plan is developed in consultation with the student's advisor and committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline (typically evolution, genetics and other courses appropriate to the student's particular interests). Students without an undergraduate-level competency in the sciences may be considered for conditional admission to the biology and society concentration.

**Career Opportunities:** Those who have earned a Master of Science in biology with a concentration in biology and society are prepared for academic careers, and their skills and knowledge are also valuable for government careers in federal and state agencies responsible for management and conservation and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- instructors at community colleges and research universities

- researchers and policy developers in government labs and nonprofit organizations
- science teachers in elementary and high schools
- wildlife, animal and conservation scientists

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/ms-biology-bio-society-ms
LSA 181
sols.grad@asu.edu
480-965-1768

## Biology (Biology and Society), PHD (LABIOSPHD)

**Online Degree Search Title:** Biology (Biology and Society), PhD
**Campus:** Tempe

**Program Description:** In the biology and society concentration of the PhD program in biology, students examine topics with biological and social dimensions that are best understood together rather than in isolation. The concentration provides plans of study tailored to individual needs and interests. It encompasses a solid foundation in life sciences and related sciences and provides a rigorous analytical and interdisciplinary education. Students may further specialize in one of four tracks:

Bioethics, policy and law --- This track focuses on pressing moral, policy and legal issues raised by biosciences and biomedicine and on the methods needed to address them.

History and philosophy of science --- This track focuses on the conceptual foundations of science, especially the epistemological and methodological assumptions that shape science and its progress.

Ecology, economics and ethics of the environment --- This track focuses on the theory and empirical methods for understanding, analyzing and shaping policy that steer society toward a more productive, equitable and sustainable ecological future.

Biology education research --- This track focuses on using education research to identify ways to broadly improve undergraduate biology education.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 or 4 credit hours)
BIO 514 Statistical Models for Biology (4) or
BIO 620 Research Prospectus Writing (3)

Electives (68 or 69 credit hours)

Culminating Experience (12 credit hours)
BIO 799 Dissertation (12)

Additional Curriculum Information
An individual student program is developed in consultation with the student's advisor and committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline, typically evolution, genetics and other courses appropriate to the student's particular interests. Students without an undergraduate-level competency in the sciences may be considered for conditional admission to the biology and society concentration.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- three letters of recommendation

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Those who have earned a doctorate in biology and society are prepared for academic careers at every level, from community colleges to research universities, and their skills and knowledge are also valuable for government careers in federal and state agencies responsible for management and conservation and for careers in industry and nongovernmental organizations. Graduates often choose careers in higher education, research, administration, policy and science communication.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- principal investigators and policymakers in government labs and nonprofit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools
- wildlife, animal and conservation scientists

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/phd-biology-bio-society-phd
LSA 181
sols.grad@asu.edu
480-965-1768

## Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)

**Online Degree Search Title:** Biology (Complex Adaptive Systems Science), PhD
**Campus:** Tempe

**Program Description:** The PhD program in biology with a concentration in complex adaptive systems science trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences.

The program is tightly integrated with diverse, ongoing university-wide research at Arizona State University on complex adaptive system science and emphasizes the value of a complex adaptive perspective to give students better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. Students become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and candidates typically have a member of the complex adaptive systems science graduate faculty as a member of the doctoral supervisory committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit the following:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Only students admitted to participating doctoral programs may apply for a complex adaptive systems concentration. A letter of application from the student must be sent to the chair of the complex adaptive systems science graduate faculty. The application is reviewed by members of the graduate faculty who make final admission recommendations to the Graduate College.

**Career Opportunities:** A doctorate in biology with a concentration in complex adaptive systems science provides strong preparation for academic careers at every level, from community colleges to research universities. The skills and knowledge graduates obtained in this program are also

valuable in government careers with federal and state agencies responsible for wildlife management and conservation and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- principal investigators in government labs and non-profit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools
- wildlife, animal and conservation scientists

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degrees/graduate
LSA 181
sols.grad@asu.edu
480-965-1768

## Chemistry, MS (LACHEMMS)

**Online Degree Search Title:** Chemistry, MS
**Campus:** Tempe

**Program Description:** Students earning an MS degree in chemistry in the School of Molecular Sciences are trained in the foundation disciplines of analytical, organic, physical, inorganic and environmental chemistry and geochemistry. Most also choose to learn by joining transdisciplinary research teams that work on larger, mission-based contemporary problems in areas such as:

- energy and sustainability
- frontiers of chemical measurement
- fundamental molecular science
- geologic and biospheric science
- materials and nanoscience
- medicine and health
- structure function and dynamics

The master's degree program in chemistry provides students with the training they need to solve molecular scale problems and to contribute to research in current challenging societal issues.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (CHM 597).
Required Core (4 credit hours)
BCH 501 Current Topics in Biochemistry or CHM 501 Current Topics in Chemistry (4)

Electives (12 or 18 credit hours)

Other Requirements (5 or 8 credit hours)
CHM 501 Current Topics in Chemistry or BCH 501 Current Topics in Biochemistry (2)
CHM 591 Seminar (3)
CHM 592 Research (8)

Culminating Experience (3 or 6 credit hours)
CHM 597 Capstone (3)
CHM 599 Thesis (6)

Additional Curriculum Information
Students will choose one of the culminating experience options listed above. The credit hours required for the electives and other requirements depend on the culminating experience chosen, as all students must complete 30 credit hours for this degree program. Students who choose the thesis option complete 12 credit hours of electives as well as CHM 592 for eight credit hours. Students who choose the capstone option complete 18 credit hours of electives as well as two additional credit hours of CHM 501 or BCH 501 and three credit hours of CHM 591.

The program consists of coursework and seminars as well as a research component (extensiveness dependent upon culminating experience).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry have opportunities in five general areas: industry (R&D, quality control), academia (high school and higher education), government (research, policy), nonprofit (policy, public education) and entrepreneurship (consulting, start-ups). In addition to specialized technical skills, graduates possess many high-demand skills, like critical thinking, teamwork and collaboration, and time management.

Some career examples include:

- chemistry lecturer
- chemical technician
- environmental science specialist
- government scientist
- high school teacher
- materials scientist
- military scientist
- science consultant

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers at https://www.acs.org/careers/chemical-sciences.html (https://www.acs.org/careers/chemical-sciences.html).

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/Graduate-Study/MS
PSC 116-L1
smsgrad@asu.edu
480-965-4664

## Chemistry, PHD (LACHEMPHD)

**Online Degree Search Title:** Chemistry, PhD
**Campus:** Tempe

**Program Description:** The PhD program in chemistry in the School of Molecular Sciences provides students with the training they need to solve molecular scale problems and to be successful independent scientists who can contribute to current challenging societal issues.

Students earning a doctorate in chemistry from the School of Molecular Sciences are trained in the foundation disciplines of analytical, organic, physical, inorganic, environmental or geological chemistry, and most also choose to join transdisciplinary research teams that work on larger, mission-based contemporary problems in areas such as:

- energy and sustainability
- frontiers of chemical measurement
- fundamental molecular science
- geologic and biospheric science
- materials and nanoscience
- medicine and health
- structure function and dynamics

Students should visit the department prospective student webpage (https://sms.asu.edu/graduate-study) to learn more about this doctoral program and the graduate research webpage (https://sms.asu.edu/Graduate-Study/Research) to learn about the cutting-edge, transdisciplinary research being conducted in the school.

The doctoral program in chemistry prepares students for professional careers in industry, government and academia.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
six graduate-level courses (12-18)
enrollment in a BCH 501 or CHM 501 seminar (8)
CHM 792 Research (46-52)
CHM 799 Dissertation (12)

Additional Curriculum Information
The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research.

Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense.

Students must also maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

In addition to the admission application, applicants must complete an online supplemental application to the School of Molecular Sciences. The supplemental application is available 24 to 48 hours after submission of the admission application. The personal statement and contact information for the letters of recommendation are submitted as part of the supplemental application. Information about the supplemental application can be found on the School of Molecular Sciences website. Applications lacking a supplemental application are not reviewed.

**Career Opportunities:** Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry have opportunities in five general areas: industry (R&D, quality control), academia (high school and higher education), government (research, policy), nonprofits (policy, public education) and entrepreneurship (consulting, start-ups). In addition to specialized technical skills, graduates possess high-demand skills like critical thinking, teamwork and collaboration, time management and many other vital skills.

Some career examples include:

- chemistry lecturer
- environmental science specialist
- government scientist
- materials scientist
- military scientist
- research and development scientist
- research group leader
- science consultant
- university professor

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers at https://www.acs.org/content/acs/en/careers/chemical-sciences.html (https://www.acs.org/content/acs/en/careers/chemical-sciences.html).

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences

https://sms.asu.edu/Graduate-Study/Chemistry-PhD
PSC 116-L1
smsgrad@asu.edu
480-965-4664

## Classical Liberal Education and Leadership, MA (LACLEDLMA)

**Online Degree Search Title:** Classical Liberal Education and Leadership, MA
**Campus:** Tempe

**Program Description:** The MA program in classical liberal education and leadership is an integrated, interdisciplinary course of study that is student learning centered, employing the Socratic method of classroom dialogue. This Master of Arts degree program fosters a learning community of students and faculty oriented to the classical, holistic pursuit of knowledge.

The curriculum focuses on philosophy, politics, literature, ethics, economics and history. It combines theory and practice with ideas and application, incorporating inquiry about the good life with the practical challenge of leading others --- nations, societies and individuals --- in the pursuit of a way of life that accords with the precepts of justice and the ethos of humanity.

Intellectual, moral and civic education are understood to be component parts of a genuine liberal education; all are necessary for the flourishing of the individual and society. As Aristotle taught, there is no substitute for doing the right thing in the right way. This is true in how children are educated, neighbors are lived with, and nations are governed. The classical liberal education and leadership program aims to prepare the next generation's teachers, scholars, civic leaders and statesmen to meet the challenges ahead with foresight, integrity, prudence and imagination.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Civic and Economic Thought and Leadership, BS
Civic and Economic Thought and Leadership, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including a thesis, or 30 credit hours including the required applied project course (CEL 593).
Required Core (9 credit hours)
CEL 501 Literary Leaders (3)
CEL 503 Classic Texts in Political Philosophy and Justice (3)
CEL 513 Classic Texts in Leadership and Statesmanship (3)

Restricted Elective (3 credit hours)
LAT 421 Roman Literature (3)
SLC 598 Topic: Greco-Roman Ideas of Leadership and Politics (3)
SLC 598 Topic: The Classical Tradition (3)
SLC 598 Topic: Tragedy and Comedy in the Greek Polis (3)

Open Electives or Research (12 or 15 credit hours)

Culminating Experience (3 or 6 credit hours)
CEL 593 Applied Project (3)
CEL 599 Thesis (6)

Additional Curriculum Information
For the restricted elective, students select one course from the list of options. Students should see the School of Civic and Economic Thought and Leadership for the most current list. Other courses may be substituted with approval of the academic unit.

Open electives and research are selected in consultation with the academic advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in liberal arts, political science, history, philosophy, theology, the natural sciences or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation from people in education or leadership positions
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** A master's degree allows students to upgrade their bachelor's degree. Students gain specialized knowledge to advance in a chosen field. As the workforce evolves, a graduate degree shows employees are dedicated to enhancing their industry expertise and credibility. Students can focus on a particular field of study, which helps them become more competitive in their area of employment.

A master's degree can open many career doors, including certain career fields, advancement opportunities and higher salaries in the following areas:

- civic leadership and engagement
- education, at all levels
- government
- nonprofit work
- politics

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Civic & Economic Thought and Leadership
https://scetl.asu.edu/
COOR 6611
scetlgraduate@asu.edu
480-965-0155

## Communication, MA (LACOMMOMA)

**Online Degree Search Title:** Communication, MA
**Campus:** Online

**Program Description:** The MA program in communication provides advanced training in communication skills and competencies for working professionals, preparing them for success in their careers and a dynamic job market.

The flexible nature of this online program benefits those with busy schedules. Classes provide the tools needed in today's workplace, including social influence, conflict transformation, communicating in global contexts, and other leadership skills.

The program concludes with a capstone course in which students work with an organization and create a communication training and development project that can be implemented upon completion or shown to future potential employers.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Business (Communication), BA
Communication, BS
Communication, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (COM 550).
Required Core (12 credit hours)
COM 501 Research Methods in Communication (3)
COM 504 Theories and Models in Communication (3)
COM 530 Training and Development (3)

COM 540 Conducting Communication Research (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)
COM 550 Capstone (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in communication or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/communication-ma/) for program descriptions and to request more information.

**Career Opportunities:** This program is designed for individuals looking to change career trajectories or get ahead in their current professions. Graduates with a master's degree in communication can expect to find work in the following:

- fundraising
- government
- health care
- human resources
- management
- marketing
- nonprofits
- public relations
- sales
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
Hugh Downs School of Human Communication
https://humancommunication.asu.edu/
STAUF A412
MACOMAPP@asu.edu
480-965-5095

## Communication, PHD (LACOMMOPHD)

**Online Degree Search Title:** Communication, PhD
**Campus:** Tempe

**Program Description:** The Hugh Downs School of Human Communication offers a transdisciplinary graduate program leading to the PhD in communication.

This program provides coursework and resources in critical-cultural communication and rhetoric, health communication, intercultural communication, interpersonal communication, organizational communication and performance studies. Students receive training in communication theory, research methodology and multiple areas of emphasis, and they actively participate in one or more of the school's collaborative research initiatives.

The program is designed to meet the needs of students whose interests transcend traditional disciplinary boundaries and to prepare scholars for research-oriented careers in universities and in the public or private sectors.

**Degree Requirements:**
96 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (9 credit hours)
COM 604 Theory Construction in Communication (3)
Choose two:
COM 607 Contemporary Rhetorical Methods (3)
COM 608 Multivariate Statistical Analysis of Data in Communication (3)
COM 609 Advanced Qualitative Research Methods in Communication (3)

Electives (45 credit hours)

Other Requirements (24 credit hours)
COM 691 Seminar (24)

Research (6 credit hours)
COM 792 Research (6)

Culminating Experience (12 credit hours)
COM 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree; 66 credit hours are required beyond an appropriate master's degree.

At least six elective credit hours must be coursework outside of the communication field.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- statement of goals
- three letters of recommendation
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Most commonly, students enter with a research-based MA in which they have completed a master's thesis.

Applicants should visit the Hugh Downs School of Human Communication website for further details.

**Career Opportunities:** A doctoral degree communication opens doors to a variety of careers in research, teaching, training and consulting. Graduates typically obtain jobs in research and teaching institutions that range from large research universities to four-year teaching schools and community colleges. A number of career opportunities appear in government agencies and organizations, both for-profit and nonprofit.

Graduates have obtained jobs as:

- academic advisors
- campaign managers
- consultants
- policy advocates
- professional trainers
- professors
- program directors

• researchers

**Contact Information:**
Liberal Arts and Sciences, The College of
Hugh Downs School of Human Communication
https://humancommunication.asu.edu/phd
STAUF A412
PHDCOMAPP@asu.edu
602-543-5619

## Comparative Culture and Language, PHD (LAILCPHD)

**Online Degree Search Title:** Comparative Culture and Language, PhD
**Campus:** Tempe

**Program Description:** The PhD program in comparative culture and language offers professional training that is linguistically well-grounded, historically and culturally informed, and methodologically transdisciplinary, through courses and supervision of research. Central to the program is the critical inquiry of primary texts, media and cultural expressions, aiming at an original understanding of cultures and social groups in their formations, interactions and transformations throughout history.

This degree program is attentive to the various roles of language in societies and in the different perspectives through which language can be studied --- among other aspects, its variations, transformations, hybridizations and processes of acquisition. The doctorate in comparative culture and language focuses particularly on research questions and themes that cannot be fully explored within the traditional disciplinary boundaries; instead, it fosters dynamic collaboration across disciplines in order to engage in the production of knowledge that is crucial to understanding transnational and transcultural interactions across time and space.

The program offers the opportunity to pursue, with the guidance of faculty who are comparatists and specialists in particular fields, transdisciplinary research and teaching. In consultation with their advisor, students do their coursework in a primary and a secondary area of emphasis. Both areas are organized around interdisciplinary study and research in more than one language; students are expected to have advanced proficiency in one language other than English (this is the language of primary emphasis) and at least reading knowledge in a second language other than English (language of secondary emphasis). For example, a student might choose to study medieval European theater for the primary area of emphasis and medieval book culture for the secondary area. For the primary area of emphasis, then, the students could demonstrate advanced proficiency in one European language, such as French or Italian, depending on the requirements of their research. Then, for the second language other than English, the student would have at least reading knowledge, say, of Latin. Another example: The student chooses to study the representation of the migrant experience in contemporary East Asian cultures as the primary area of emphasis and Film and Media Studies as the secondary area. Their primary area of emphasis would require advanced proficiency in a certain East Asian Language, such as Chinese, Japanese, or Korean, and the secondary area reading knowledge of one more non-English language, pertinent to their comparative research.

Faculty members are drawn from the School of International Letters and Cultures and other programs in the humanities and social sciences across Arizona State University.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, two foreign language exams, a prospectus and a dissertation.
Required Core (3 credit hours)
SLC 602 Comparative Cultural Theory (3)

Restricted Electives (36 credit hours)
primary field of study (18)
secondary field of study (18)

Electives and Research (33 credit hours)

Culminating Experience (12 credit hours)
SLC 799 Dissertation (12)

Additional Curriculum Information
Students do coursework in a primary and a secondary area of emphasis. Both areas are organized around interdisciplinary study and research in more than one language; students are expected to have advanced proficiency in one language other than English (this is the language of primary emphasis) and at least reading knowledge in a second language other than English (language of secondary emphasis).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative of GPA 3.30 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement should describe the questions, issues or challenges the student plans to explore through the doctoral program in comparative culture and language and explain how previous studies, training or professional experiences prepare the student for this research. It should include a proposed plan of study based on the current graduate-level offerings at ASU. In a brief statement, the student should indicate how those courses will be preparation for the dissertation, how the plan fits with the description and goals of this doctoral program, and why the proposed program does not fit some other degree program.

Applicants must provide a 15- to 20-page writing sample in English; a writing sample in the primary language of interest may also be requested at the discretion of the admissions committee. The writing sample should reflect the student's analytical and critical skills.

**Career Opportunities:** Professionals with this doctoral degree can confidently move into a variety of fields as an expert on concentration topics. Their skills are valued in the academic and international sectors for teaching positions, translation work, and for work in government, diplomacy and international business.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- education administrators
- foreign language and literature teachers and professors
- interpreters and translators
- philosophy and religion teachers and professors
- reporters and correspondents

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/phd-comparative-cultures--lang
DH 318
silc@asu.edu
480-965-6281

## Computational Life Sciences, MS (LACLSMS)

**Online Degree Search Title:** Computational Life Sciences, MS
**Campus:** Tempe, Online

**Program Description:** The MS program in computational life sciences introduces students to a burgeoning new field. Huge leaps in processing technologies have thrown open the doors for new research techniques and exciting opportunities for interdisciplinary collaborations, focusing heavily here on genomics data generation, analysis and interpretation.

Students are introduced to a suite of statistical tools and computational approaches that enable them to uncover correlations, glean new understanding, and help solve scientific problems.

Students examine many different types of data generated from a wide range of fields, including ecology, botany, evolutionary biology, neuroscience, molecular and cellular biology, and animal behavior. Students have the opportunity to investigate topics such as DNA, RNA, protein, imaging, conservation and even historical data from long-term ecological research sites.

Finally, students explore the ethical implications of collecting, analyzing and sharing the results of computational life sciences data.

**Degree Requirements:**
30 credit hours including the required applied project course (BIO 593), or 30 credit hours including the required capstone course (BIO 597).

Required Core (1 credit hour)
BIO 610 Introduction to Responsible Conduct of Research (RCR) in Life Sciences (1)

Restricted Electives (18-20 credit hours)
Choose two computing in life sciences courses for six to seven credit hours:
BIO 539 Computing for Research (3)
BIO 591 Topic: Quantitative Methods in Conservation and Ecology (4)
BIO 598 Topic: Medical Genetics and Genomics (3)
BIO 598 Topic: Transcriptomics (3)

Choose two statistics and mathematics courses for six to seven credit hours:
BIO 514 Statistical Models for Biology (4)
BIO 591 Topic: Data Analysis and Visualization in R (3)
BIO 598 Topic: Data Analysis and Visualization in R II (3)
BIO 598 Topic: General Linear Models for Biology (3)

Choose two biology courses for six credit hours:
BIO 543 Molecular Genetics and Genomics (3)
BIO 544 Discovering Biodiversity (3)
EVO 601 Principles of Evolution (3)
MCB 540 Functional Genomics (3)

Electives or Research (6-8 credit hours)

Culminating Experience (3 credit hours)
BIO 593 Applied Project (3)
BIO 597 Capstone (3)

Additional Curriculum Information
For restricted electives students complete two computing in life sciences courses, two statistics and mathematics courses and two biology courses. Restricted elective and electives or research credit hours are variable.

Students pursuing the applied project or capstone course complete three to six credit hours of electives or research. Students should consult the academic unit for a list of approved electives and research course requirements.

Courses not selected for the restricted electives may be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total number of credit hours of their plan of study is equal to 30.

**Admission Requirements:** Applicants must fulfill the requirement of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology, statistics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admissions application and application fee
- official transcripts
- one letter of recommendation
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/computational-life-sciences/) for program descriptions and to request more information.

**Career Opportunities:** Career opportunities for graduates include working at biotechnology companies, working as a lab research technician in academia, and working for government or nonprofit labs doing computational life sciences analyses. The median annual pay for those who hold a

master's degree in a computational research science is approximately three times the median annual wage for all workers.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/
LSA 181
sols.grad@asu.edu
480-965-1768

## Computational Life Sciences (Certificate), Certificate (LACMLSGRCT)

**Online Degree Search Title:** Computational Life Sciences (Graduate Certificate)
**Campus:** Tempe, Online

**Program Description:** Students in the computational life sciences graduate certificate program develop expertise in the understanding, interpretation and analysis of diverse data types generated from a variety of life sciences disciplines, including ecology, botany, evolutionary biology, neuroscience, molecular and cellular biology, and animal behavior.

**Degree Requirements:**
16 credit hours including a portfolio.
Required Core (1 credit hour)
BIO 610 Introduction to Responsible Conduct of Research (RCR) in Life Sciences (1) or
BIO 611 Current Topics in Responsible Conduct of Research (RCR) in Life Sciences (1)

Electives (15 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
Elective coursework is selected from a restricted list in consultation with the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in life sciences or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should discuss the applicant's future career goals, to better assist the student with selecting the most applicable set of courses in computational life sciences.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/computational-life-science-graduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with expertise in computational life sciences are in high demand in biotech and biomedical industries. Skills in data science are critical for the analysis and interpretation of life sciences data. These skills are valuable to businesses and institutions relying on data-driven life sciences research including hospitals, biotechnology companies and for-profit and nonprofit research institutions.

Career examples include:

- bioinformatics scientist
- computational lab technician
- core facilities researcher
- ecologist
- educator
- microbiologist
- natural sciences manager
- software developer

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/certificate/computational-life-sciences-graduate
LSA 181
sols.grad@asu.edu
480-965-7490

## Computer-Assisted Language Learning (Certificate), Certificate (LACALLGRCT)

**Online Degree Search Title:** Computer-Assisted Language Learning (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate program in computer-assisted language learning focuses on the application of technology in foreign language teaching and research.

The program teaches the practical, hands-on skills needed to create and evaluate learning and teaching materials with new computer-based technologies. Students learn how to use technology effectively to facilitate instructed second language acquisition. The program also provides students with a solid theoretical and pedagogical framework for the integration of technology into the foreign language curriculum and provides them with the tools necessary to teach language courses in either a hybrid or distance learning environment.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
APL/ENG/SLC 557 Computer-Assisted Language Learning (3)
APL 558/SLC 510 Computer-Assisted Language Learning Praxis (3)

Restricted Electives (3 credit hours)

Electives (6 credit hours)

Additional Curriculum Information
For restricted electives, students select a second language acquisition course with department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned from a regionally accredited institution a bachelor's or master's degree with a major or minor in foreign language study, English or English education.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered

for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Critically evaluate current theoretical and pedagogical issues in the area of computer-assisted language learning.
- •Construct a testable theoretical or pedagogical hypothesis related to CALL.

**Career Opportunities:** Professionals with this certificate can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching and research positions or work in the public or private sectors.

Career examples include:

- distance learning coordinators
- educational technology teachers and professors
- foreign language or TESOL teachers and professors
- instructional coordinators
- instructional designers and technologists
- technology for language learning consultants
- training and development specialists

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/node/3860
RBHL 170
enggrad@asu.edu
480-965-3194

## Creative Writing, MFA (LACWRITMFA)

**Online Degree Search Title:** Creative Writing, MFA
**Campus:** Tempe

**Program Description:** The MFA in creative writing at ASU has always been an unswervingly student-first program. Through small classes, intimate workshops or one-to-one mentoring, the centuries-old apprenticeship model thrives within the New American University. Poets and fiction writers work with outstanding faculty who have published more than 80 books and garnered national and international attention through awards and honors that include:

- Guggenheim, Howard Foundation, Lannan Foundation, MacArthur Foundation, National Endowment for the Arts, and United Artists fellowships
- International Griffin Poetry Prize and Whiting Award
- Multiple Pulitzer Prizes
- Two Medals of Achievement from the National Society of Arts and Letters
- Two Chancellors of the Academy of American Poets
- Walt Whitman Award from the Academy of American Poets

Additionally, in concert with the Master of Fine Arts program, several campus entities contribute to the MFA experience: the Virginia G. Piper Center for Creative Writing offers students a wide range of support and opportunities, travel scholarships, professional development support, and other teaching and leadership opportunities; the Center for Imagination in the Borderlands brings writers and other artists for intensive workshops, classes, and public events, and it offers an Artistic Development and Teaching Assistant Fellowship. The program also hosts a newly inaugurated series of craft lectures and an alumni reading series.

Furthermore, students have access to a variety of additional professional development opportunities, including serving on the editorial board of an international literary journal, Hayden's Ferry Review translation experience through the Thousand Languages Project, and internships with award-winning independent literary press Four Way Books.

**Degree Requirements:**
48 credit hours including a written comprehensive exam and the required applied project course (ENG 593).
Coursework (39 credit hours)

Other Requirement (6 credit hours)
ENG 592 Research (6)

Culminating Experience (3 credit hours)
ENG 593 Applied Project (3)

Additional Curriculum Information
The creative writing program requires 48 credit hours of study evenly divided between writing courses and literature courses designed to inform that writing.

While students are expected to satisfy these requirements in the genre in which they were accepted, the program encourages cross-genre study and electives can include courses taken outside of the creative writing program, even outside the English department.

A written comprehensive exam and an applied project are required.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants should have an undergraduate major in English or creative writing; however, exceptional students who do not have either of these undergraduate majors may be admitted on the basis of writing excellence.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- creative manuscript
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students applying for a teaching assistantship must submit a statement of teaching philosophy and an academic writing sample.

The personal statement should include the applicant's writing background, intended area of specialization, and a brief self-evaluation of recent work (double spaced, up to three pages or 750 words.

The creative manuscript should be up to 20 pages of poetry or up to 30 pages of prose (prose should be double-spaced).

Applicants should see the Department of English website for details.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Create original fiction or poetry that incorporates theoretical and foundational literary knowledge.
- •Explicate their creative works articulately.
- •Analyze and critique the writing of other creative writers.

**Career Opportunities:** A Master of Fine Arts in creative writing graduate is prepared primarily for the professional creation of new art, including fiction, poetry and other written forms. In addition to working as novelists, poets and short story writers, graduates go on to careers in education, arts administration, media and entertainment, and in political and community organizations.

Career examples include:

- book designer or marketer
- book or magazine editor
- creative writing professor
- essayist or journalist
- literary events coordinator
- novelist
- poet
- screenwriter

- secondary education teacher

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission/master-fine-arts-creative-writing
RBHL 152
enggrad@asu.edu
480-727-9130

## Critical Theory (certificate), Certificate (LACRTGRCT)

**Online Degree Search Title:** Critical Theory (Graduate Certificate)
**Campus:** Tempe, West

**Program Description:** The graduate certificate program in critical theory provides students advanced study in critical and contemporary theory. It promotes the skills required to use and interpret concepts from continental philosophy and theoretical trends from the last two centuries. The program also offers tools for creating a critical engagement with society and for producing new cultural texts and ideas.

Critical theory encompasses a broad range of disciplines including the arts, humanities, social sciences, and technical and physical sciences. Students have access to a wide variety of courses that apply toward the certificate.

**Degree Requirements:**
15 credit hours and a portfolio.
Required Core (3 credit hours)
ENG 502 Contemporary Critical Theories (3)

Electives (12 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. Specific details about English proficiency requirements are available on the Department of English website.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The graduate certificate in critical theory is available to all ASU graduate students irrespective of their major, as well as to nondegree graduate students and working professionals provided they meet eligibility criteria. Sample majors include English; women and gender studies; art history; and arts, media and engineering.

Eligible applicants must have taken two courses in critical theory or a related field at the upper-division undergraduate level (such as ENG 401 Topics in Critical Theory) or at the graduate level (such as ENG 502 Contemporary Critical Theories).

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Students will be able to recognize and apply the affordances and limitations in the applications of foundational concepts of critical theory.
•Students will be able to apply the paradigms of critical theory to develop original research projects.
•Students will be able to build on, qualify or challenge claims in critical theory.

**Career Opportunities:** Writers and other content professionals are in demand today, not only in traditional print media, but also on digital platforms. Critical theory provides valuable skills in logical argument and conceptual analysis that are useful across the media spectrum, from scholarly writing to popular magazines and websites with social, cultural and political themes. Students of critical theory also are increasingly involved in multimedia work and technologies, such as AI, in both academic and commercial innovative institutional ventures, such as tech start-ups.

Career examples include:

- analyst for cultural tech company
- content provider for social media
- freelance cultural critic (on- and offline)
- grass-roots activist
- instructor in critical theory, cultural studies or media studies
- political strategist or campaign worker
- writer in marketing and advertising

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/node/249
RBHL 170
enggrad@asu.edu
480-965-3194

## Digital Humanities (Certificate), Certificate (LACDHGRCT)

**Online Degree Search Title:** Digital Humanities (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate program in digital humanities provides students with methods and skills central to conducting humanities research that employs both qualitative and quantitative approaches.

The program is designed to promote cross-disciplinary study in humanities and social and computational sciences, and is open to students in all disciplines. The program features training in transdisciplinary collaboration, project-based communication skills, critical theory and the simultaneous application of quantitative and qualitative problem-solving skills.

This certificate highlights an area of excellence within ASU that has emerged across its colleges, schools and departments and is integral to the effort of transforming the humanities at ASU into new transdisciplinary configurations.

**Degree Requirements:**
15 credit hours including the required applied project course (CDH 593).
Required Core (3 credit hours)
CDH 501 Digital Humanities: Critical Theory and Methods (3)

Electives (6 credit hours)

Other Requirement (3 credit hours)
CDH 580 Practicum (3)

Culminating Experience (3 credit hours)
CDH 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students enrolled in an existing master's or doctoral program and in good standing. Students who are interested in transdisciplinary work are particularly well-suited for this certificate program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The program requires a TOEFL iBT score of at least 100.

Students are asked to outline a desired transdisciplinary area of inquiry. For example, a student who works on digital rhetoric and literacy may want to understand how to create and manage social media data sets or how to create a social media application. Alternatively, a student in the School of International Letters and Cultures may want to study digital archives of Slavic literature and may need to understand how digital archives are enmeshed in national and capitalist networks.

**Career Opportunities:** Professionals with this certificate can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- computer and information research scientist
- cultural designer
- data scientist
- digital curator
- digital humanities instructor
- humanities digital content editor
- information architect
- metadata analyst
- social science research assistant

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/certificate-digital-humanities
DH 318
silc@asu.edu
480-965-6281

## Disability Studies (Certificate), Certificate (LADISGRCT)

**Online Degree Search Title:** Disability Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate program in disability studies focuses on the creation of new knowledge and consequent practical implications in the area of disability. It coordinates courses into an individualized systematic plan of study that trains students to conduct disability research.

Students examine disability from diverse perspectives, including disability law and justice, cultural politics of disability, family perspectives, as well as various research methods in disability studies. The emphasis for students is on examining and creating new theoretical perspectives and methodological approaches at different levels of analysis while analyzing topics of crucial importance locally and globally.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
JUS 530 Social Policy, Critical Advocacy and Disability (3) or
JUS 565 Critical and Comparative Issues in Disability (3)

Electives (12 credit hours)

Additional Curriculum Information
Students should see the academic unit for the pre-approved list of elective coursework. Other coursework may be used with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in areas such as social sciences, education,

social work, law, health care and health care policy or any related field from a regionally accredited institution

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Critically examine and apply appropriate methodological approaches to the study of disability culture locally and globally.
- •Explain key theoretical perspectives contributing to the development of disability studies.

**Career Opportunities:** A disability studies certificate can benefit individuals working within a variety of fields such as health care, human services, education, rehabilitation sciences and social work. Additionally, individuals with a disability certificate can work within a number of diverse settings, including:

- advocacy associations
- community and family support agencies
- foster care agencies
- gerontology institutes
- hospitals
- jails and prisons
- nonprofit agencies
- prekindergarten-12 schools
- research centers and institutes
- state and local disabilities agencies

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
sstgraduate@asu.edu
480-965-7682

## East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)

**Online Degree Search Title:** East Asian Languages and Civilization, PhD
**Campus:** Tempe

**Program Description:** The PhD program in East Asian languages and civilizations is a research-intensive, transdisciplinary, area-based degree in the study of traditional and modern languages and cultures of China. Students may focus on:

- comparative cultural studies
- cultural history
- linguistics
- literary criticism
- literary thought

In every case, students are expected to acquire a solid grounding in the classical and modern versions of Chinese.

**Degree Requirements:**
84 credit hours, two foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)
CHI 501 Proseminar: East Asian Humanities (3)

Concentration (6 credit hours)
CHI 514 Advanced Classical Chinese (6)

Other Requirements (39 credit hours)
CHI 502 Academic Writing (3)
CHI 598 Topic: Proseminar: Chinese Literary History (3)
CHI 598 Topic: History of the Chinese Language (3)
CHI 598 Special Topics (15)
CHI 691 Seminar (15)

Electives (24 credit hours)

Culminating Experience (12 credit hours)
CHI 799 Dissertation (12)

Additional Curriculum Information
15 credit hours of CHI 598 Special Topics must be comprised of five courses, and 15 credit hours of CHI 691 must be comprised of five seminar courses. Other requirements and elective coursework for the degree are to be chosen in consultation with the program chair.

Courses for the other requirements may be substituted with the approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants specializing in Chinese should have completed at least three years of modern Chinese and one year of classical Chinese.

Applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- speech sample in Chinese or Japanese
- resume or curriculum vitae
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The writing sample, which should be no more than 15 pages, should represent the applicant's skills in thinking and writing, and it should be on a topic connected with Chinese, Japanese or East Asian culture.

The speech sample is required if the applicant is applying for teaching assistantship funding. The speech sample should be a recorded message approximately four minutes in length, in Chinese or Japanese, on a topic of the applicant's choosing. (Applicants are asked to not read the message. This is to help the committee evaluate the level of proficiency, and the message should realistically reflect the applicant's spoken Chinese or Japanese). Recordings should be emailed to SILC@asu.edu (mailto:SILC@asu.edu).

Applicants should see the department website for more information.

**Career Opportunities:** Professionals with this degree can confidently move into academic, business and international fields. The skills they possess are valued for teaching positions, translation work, and career opportunities in a larger sector such as government, diplomacy and international business.

Career examples include:

- historians
- interpreters and translators

- lawyers
- reporters and correspondents
- social and community service managers
- teachers or professors of area, ethnic and cultural studies
- teachers or professors of foreign language and literature

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/phd-east-asian-lang-civ-chinese
DH 318
silc@asu.edu
480-965-6281

## English, MA (LAENGLMA)

**Online Degree Search Title:** English, MA
**Campus:** Tempe, Online

**Program Description:** The MA program in English allows for a variety of studies within five distinct tracks:

Comparative literature --- Students interpret cultural productions in English and at least one other language, utilizing approaches including textual criticism, critical theory, and translation and cultural studies.

Creative writing --- Students in the accelerated BA/MA creative writing track strengthen their artistic practice by participating in intensive creative writing workshops in either fiction or poetry, alongside the study of contemporary literature and innovative creative techniques.

English studies --- Students in this online track learn how to interpret complex cultural, historical, literary and language-related materials and also articulate and mobilize this knowledge for general audiences through a series of courses from across disciplinary areas of study.

Literature --- Students develop skills in literary and cultural analysis, exploring social and historical contexts, as well as addressing theoretical issues and pursuing interdisciplinary modes of inquiry.

Writing, rhetorics and literacies --- Students engage with various approaches to the history, theory and practices of rhetoric and pedagogies of writing and composition.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English (Creative Writing), BA
English (Literature), BA
English (Writing, Rhetorics and Literacies), BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (ENG 593 or LIN 593) and a foreign language exam, or 30 credit hours including the required capstone course (ENG 597) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.
Required Core (3 credit hours)
ENG 501 Approaches to Research (3)

A student may pursue a track in comparative literature, English studies, literature, or writing, rhetorics and literacies. The creative writing track is available only for students in the accelerated BA/MA creative writing track program. All tracks have a foreign language requirement.

Comparative Literature Track
one course in concept and methods (course in comparative literature, criticism or translation)
four courses in a language other than English
electives

Creative Writing Track
ENG 594 Conference and Workshop: Fiction (3) or
ENG 594 Conference and Workshop: Poetry (3)

ENG 538 Studies in Modern and Contemporary American Literature (3) or
ENG 539 Studies in Modernist and Postmodernist Literature and Theory (3)
electives or research courses
ENG 584 Internship (3)

English Studies Track
one course in linguistics
one course in literature
one course in writing, rhetorics and literacies
one course in English education
electives or research courses

Literature Track
one course in literary theory
a distribution requirement
electives
two courses selected must be graduate seminars at the 600 level

Writing, Rhetorics and Literacies Track
one course in composition theory
one course in rhetoric theory
electives, which must include six credit hours of graduate seminars at the 600 level

Culminating Experience (3 or 6 credit hours)
ENG 593 Applied Project (3) or
ENG 597 Graduate Capstone Seminar (3) or
ENG 599 Thesis (6)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

The capstone culminating experience option is available to students in the English studies track only. Students in this track must take the capstone. Students in one of the other tracks may select an applied project or thesis for the culminating experience.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students should see the Department of English website for specific details about English proficiency requirements.

Applicants for the master's degree program in English with a track in comparative literature must prove fluency in a foreign language to a level sufficient for graduate study. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in comparative literature, and plans for the future.

Applicants for the master's degree program in English with a track in creative writing must be undergraduate students in the creative writing concentration at ASU and approved to enter the accelerated program. The one- to two-page statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in creative writing, and their plans for the future. This track is not accepting applications for the 2023-2024 academic year.

Applicants for the master's degree program in English with a track in English studies (the online program) are required to submit two academic or

professional letters of recommendation; a third recommendation is optional. An academic writing sample is not required. The two-page, single-spaced statement of purpose should explain how the applicant's academic and professional interests fit with the English studies track of the Master of Arts in English. Applicants with undergraduate majors in English, foreign language, history, philosophy, liberal studies or other areas in humanities are considered.

Applicants for the master's degree program in English with a track in literature are required to have an undergraduate major in English or a related field. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in literature, and plans for the future.

Applicants for the master's degree program in English with a track in writing, rhetorics and literacies may have undergraduate majors in fields such as anthropology, cognitive science, communication, comparative languages and literatures, education, English literature, history, law, modern languages, philosophy, political science, psychology, religion, rhetoric or composition, sociology, or speech and hearing science. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in writing, rhetorics and literacies, and plans for the future.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-english/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Graduates from the MA program in English at ASU will be able to use concepts from a discipline in English studies to analyze (break into constituent parts) a relevant creative, literary, rhetorical or linguistic artifact or other cultural phenomenon according to standards of rigor in the field.

•Graduates from the MA program in English at ASU will be able to compose a compelling case, argument or creative work relevant to English studies that meets or exceeds standards of rigor in the field.

•Graduates of the MA program will be able to use theories, concepts and methods from a discipline in English studies to sustain an evidence-based line of reasoning that makes a grounded, situated and qualified contribution according to standards of rigor in the field.

**Career Opportunities:** Professionals with expertise in all areas of English studies are able to articulate and translate complex ideas for a general audience and are prepared for career opportunities in public humanities, business, digital media, teaching, museums, nonprofits and arts organizations. In addition, their advanced skills in writing, oral presentation and critical thinking are valuable assets for any career.

Career examples include:

- communications director
- copywriter
- editor or author
- human resources specialist
- instructor
- market research analyst
- library or museum administrator
- publisher
- social media manager
- technical writer
- web content writer or specialist

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission
RBHL 170
enggrad@asu.edu
480-965-3194

## English (English Education), PHD (LAENEDPHD)

**Online Degree Search Title:** English (English Education), PhD
**Campus:** Tempe

**Program Description:** The PhD program in English with a concentration in English education prepares students to examine the writing and reading practices of secondary students as well as the instructional practices of secondary English language arts teachers by emphasizing the relationship between pedagogy and research methodologies used to study the teaching of secondary English.

The curriculum comprises dynamic coursework, mentoring, interdisciplinary learning opportunities and community outreach.

Possible areas for research focus within this program include young adult literature, secondary reading and writing practices, new literacies, English language learning, critical literacy and secondary English language arts curriculum and instruction development. The program encourages students to pursue coursework in other subdisciplines within the Department of English, such as rhetoric and composition, applied linguistics and literature, and coursework in the ASU Mary Lou Fulton Teachers College, such as literacy and educational research methodology.

Students benefit from the program's links to the Central Arizona Writing Project, and this relationship offers opportunities for related coursework, research, community outreach and teacher in-service programs.

The doctorate in English education prepares students to become professors of English education or to pursue other relevant opportunities in research and administration.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
ENG 501 Approaches to Research (3)

Foundational Distribution (12 credit hours)

Advanced Studies Distribution (12 credit hours)

Internships (6 credit hours)
ENG 784 Internship (6)

Specialization (9 credit hours)

Electives and Research (30 credit hours)

Culminating Experience (12 credit hours)
ENG 799 Dissertation (12)

Additional Curriculum Information
Students must take 12 credit hours at the 500 level, selected from a list of approved courses in education, English, linguistics and applied linguistics for the foundational distribution.

Students must take at least three courses in the area of specialization.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If not approved, the 30 credit hours of coursework will be made up of electives and research.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree from a regionally accredited institution. Applicants with master's degrees in English education and related fields, such as English literature, applied linguistics, education, and rhetoric and composition will be considered. A minimum of three years of full-time teaching or volunteer work in secondary English language arts classrooms or in literate-rich settings is required.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Applicants should see the Department of English website for specific details about English proficiency requirements.

The one- to two-page statement should explain the applicant's interest in the program and how the applicant's background and preparation led to the specific career and research goals. The three letters of recommendation should be from individuals familiar with the applicant's promise in English education, including one letter from a school principal and two letters from university professors. Applicants applying for funding must also submit a statement of teaching philosophy.

Applicants should see the Department of English website for specific details.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Design and conduct original research in the field of English Education.
- •Produce written article-length work of publishable quality.
- •Write a comprehensive book-length research study with theory, literature review, methods, analysis, and findings based on one's own research.

**Career Opportunities:** Careers for English education graduates include professions related to the field of secondary language arts and literacy education in secondary schools.

Career examples include:

- curriculum developer
- dual enrollment teacher
- faculty position (college, university)
- instructional leader
- literacy coach
- middle or high school English teacher
- teacher leadership and research

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission/doctor-philosophy-english-english-education
RBHL 170
enggrad@asu.edu
480-965-3194

## English (Literature), PHD (LAENLITPHD)

**Online Degree Search Title:** English (Literature), PhD
**Campus:** Tempe

**Program Description:** The PhD program in English with a concentration in literature trains students in various methodologies, pedagogies and areas of inquiry that constitute literary and cultural studies.

With a diverse and distinguished faculty, the program offers opportunities for specialization in traditional areas of literary criticism, cultural analysis and theory, as well as various fields of interdisciplinary study.

A doctorate in literature equips students with a range of highly sought-after skills and competencies: research and analysis of complex material, communication in written and oral modes, collaboration, independence and self-motivation, creativity and adaptability.

**Degree Requirements:**
84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
A student with an appropriate master's degree must complete a minimum of 54 credit hours of approved graduate work, which includes 12 credit hours of dissertation, provided the student's master's degree is accepted by the supervisory committee and the academic unit. Research hours may be used toward coursework in consultation with the advisor.

A student without an appropriate master's degree must complete 84 credit hours of work at ASU. At the advisor's discretion, students may include up to 12 credit hours of appropriate, graduate-level coursework undertaken at another university and not previously counted toward any other degree.

Specifically required are six credit hours in theory courses and ENG 501 Approaches to Research. Students must complete eight graduate courses in any of the following categories:

- cultural studies

- ethnic studies
- gender studies
- genre
- history and structure of the English language
- literature 1500-1660
- literature 1660-1900
- literature since 1900
- literature to 1500
- postcolonial or anglophone literatures

Students must take at least five graduate seminars at the 600 level en route to the doctorate, at least three of which must be taken in the doctoral program. Up to 12 credit hours taken outside the department may be counted toward the degree. Students should consult with their supervisory committees when choosing electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. Students should refer to the Department of English website (https://english.clas.asu.edu/admission/graduate-admission/how-to-apply/information-international-students) for specific details about English proficiency requirements.

The well-considered, one- to two-page, single-spaced statement of purpose should explain how the applicant's experience and training have prepared them for the program as well as the purpose for pursuing the doctorate. Applicants applying for funding must also submit a statement of teaching philosophy. Students should see the Department of English website for specific details.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Will demonstrate research skills necessary to bring a project of literary or cultural analysis to fruition, including (i) the ability to evaluate disciplinary debates and developments; (ii) the ability to produce research on historical and cultural meanings of texts and related cultural productions
- •Will demonstrate the ability to produce written work of publishable quality
- •Will be able to identify and evaluate various disciplinary arguments, trends, traditions and debates within the knowledge community of literary and cultural studies scholars

**Career Opportunities:** Graduates are prepared for careers in higher education and other fields that value this expertise. Sectors employing high numbers of arts and humanities graduates include: information and communication, financial and insurance, public administration and defense, arts and entertainment, and education.

Career examples include:

- archivist
- art director
- copywriter
- criminal investigator or special agent
- editor
- educator
- intelligence analyst
- librarian

- market research analyst
- museum curator, educator or exhibit designer
- political analyst
- public relations specialist or manager
- technical writer

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission/doctor-philosophy-english-literature
RBHL 170
enggrad@asu.edu
480-965-3194

## English (Writing, Rhetorics, and Literacies), PHD (LAENRHTPHD)

**Online Degree Search Title:** English (Writing, Rhetorics and Literacies), PhD
**Campus:** Tempe

**Program Description:** The PhD program in English with a concentration in writing, rhetorics and literacies promotes the study of rhetorical strategies, production, distribution and interpretation of oral, written, digital, visual, discursive, material and symbolic texts.

Students study the history, theories and methods of inquiry as well as pragmatic and social actions of writing, rhetoric and literacies. With theories and methods from both historical and contemporary contexts, students learn strategies for inquiry; the ways in which communication creates knowledge and action; and how communication is constructed, circulated, reacted to and repurposed over time and across space. Program requirements are designed to encourage a full understanding of theoretical and applied aspects of writing studies, rhetorical studies and literacy studies. Students also are provided many opportunities to explore the intersections and tensions that exist within and between the three different areas of inquiry.

The program encourages transdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most.

**Degree Requirements:**
84 credit hours, a foreign language exam, a written comprehensive exam, a prospectus and a dissertation, or 84 credit hours, a foreign language exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
ENG 501 Approaches to Research (3)

Concentration (9 credit hours)
ENG 551 Rhetorical Traditions (3)
ENG 552 Composition Studies (3)
ENG 556 Theories of Literacy (3)

Focus Area (9 credit hours)

Electives or Research (48 credit hours)

Other Requirements (3 credit hours)
writing for publication/scholarly writing coursework (3)

Culminating Experience (12 credit hours)
dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. Students who do not hold a master's degree are required to take additional elective and research credit hours to reach the 84 credit hours required for this program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants with bachelor's or master's degrees in fields such as anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, English literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religion, rhetoric, composition, sociology, and speech and hearing science will be considered.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. Applicants should see the Department of English website for specific details about English proficiency requirements.

In the well-considered, one- to two-page, single-spaced statement of purpose, applicants should explain how their experience and training have prepared them for the program. Applicants should indicate their career goals and explain how these goals relate to the program in writing, rhetorics and literacies. Applicants applying for funding must also submit a statement of teaching philosophy. Applicants should see the Department of English website for specific details.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Evaluate and draw from relevant disciplinary histories, theories, and methods to support rhetorical inquiry into one's research topics.
- Evaluate competing knowledge claims within rhetorical studies and draw relevant interdisciplinary connections between those claims and one's own research topics.
- Design and carry out an original research study that produces data, findings, and applied strategies for publication in professional, scholarly venues.

**Career Opportunities:** Professionals with expertise in written communication, research and knowledge management are in high demand across sectors and industries, including business, media, law, entertainment, politics, nonprofits and community organizations. Skills in the measurement and analysis of data for the development of multimodal content (digital, print, oral, visual) are valuable to businesses, organizations and institutions relying on data-driven strategies to address and communicate complex, knowledge-rich issues to broad professional audiences.

Graduates are prepared for work as teachers, scholars and communications professionals. Career examples include:

- editor and content manager
- English or communications professor
- human resources specialist
- market research analyst
- public relations specialist
- publishing copyeditor or proofreader
- social media manager
- technical writer

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission/phd-english-writing-rhetorics-and-literacies
RBHL 170
enggrad@asu.edu
480-965-3194

## English Education, MA (LAENEDMA)

**Online Degree Search Title:** English Education, MA
**Campus:** Tempe

**Program Description:** The MA in English education is a one-year, intensive program designed to prepare practicing and transitioning teachers for careers as exemplary educators, teacher-researchers and leaders in English language arts instruction.

Students in the program develop a deep understanding of the English language arts by learning how to access, analyze and apply research and

best practices for teaching secondary students (grades 7-12). This program balances the refining of disciplinary knowledge with pedagogical application of that knowledge in classrooms. Students take a variety of dynamic, cutting-edge methods courses, including advanced methods courses in research in English education, methods of teaching writing and text, teaching postcolonial young adult literature and teaching writing in an era of standardization.

This innovative course of study culminates with an inquiry project related to English language arts instruction in secondary classrooms. The program empowers students to employ teacher research and inquiry to address questions they have about their own students' learning and their own teaching practice.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English (Secondary Education), BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (ENG 593).
Required Core (12 credit hours)
ENG 501 Approaches to Research (3)
ENG 506 Methods and Issues in Teaching Language (3)
ENG 507 Methods and Issues in Teaching Composition (3)
ENG 606 Advanced Studies in English Education (3)

Electives or Research (12 credit hours)

Other Requirements (3 credit hours)
ENG 594 Conference and Workshop (3)

Culminating Experience (3 credit hours)
ENG 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in English, creative writing, English education, secondary education or secondary curriculum and instruction, or a master's degree in education or a closely related field from a regionally accredited institution. Current certification in secondary English language arts (grades 6-12), or equivalent certification, or a minimum of two years teaching English language arts in a school setting is required.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students should see the Department of English website for specific details about English proficiency requirements.

The one- to two-page statement of purpose should explain the applicant's background, reasons for wanting to do graduate work in English education, and goals.

Three academic or professional letters of recommendation are required, and at least one must be from a faculty member familiar with the applicant's academic work.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Students will demonstrate the ability to recognize various qualitative and quantitative research methods as appropriate and effective means for pursuing specific lines of classroom-based teacher inquiry and explain the pros and cons of a given methodological approach in terms of their classroom research.

•Students will be able to locate, analyze and synthesize qualitative or quantitative teacher research studies specific to important issues in their own English language arts classrooms or schools.

•Students will demonstrate the use of appropriate, effective qualitative or quantitative research methods as they design and implement studies for the purpose of improving curriculum and instruction in their own school districts and sharing their findings in a public forum.

•Students will be able to identify important educational issues they face in teaching English language arts, survey a variety of resources (i.e., research literature, expert opinion and educational policy), and synthesize their learning into plans for best practice.

•Students will be able to interrogate their own pedagogical practices (i.e., curriculum and instruction, differentiation, English language learners, cultural responsiveness, assessment, digital and new literacies) in the teaching of English language arts (reading, writing, speaking, listening, use of language, technology) and make appropriate adaptations to best meet all students' needs.

**Career Opportunities:** Careers for English education graduates include professions related to the field of secondary language arts and literacy education in secondary schools.

Career examples include:

- curriculum development
- dual enrollment teachers
- faculty positions at colleges and universities
- instructional leaders
- literacy coaches
- middle and high school English teachers
- teacher leadership and research

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission/master-arts-english-english-education
RBHL 170
enggrad@asu.edu
480-727-3135

## Environmental Communication and Leadership (Certificate), Certificate (LAECLGRCT)

**Online Degree Search Title:** Environmental Communication and Leadership (Graduate Certificate)
**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:** Scientists must go beyond publishing in journals if they want their research to be relevant to society. However, academic training rarely covers how to communicate with the press, the public, policymakers and other relevant stakeholders.

This certificate program in environmental communication and leadership gives graduate students in environmental disciplines the important leadership and communication skills they need in order to increase their influence and reach above and beyond academia.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
BIO 578 Environmental Leadership and Communication (3)

Electives (12 credit hours)
policy and management (3)
communication (3)
leadership (3)
open elective (3)

Additional Curriculum Information
Students must choose three credit hours from each of the three categories with approval of the School of Life Sciences. If a student takes a course for fewer than three credit hours, the student must take more than one course in that category to meet the three credit hour requirement. Students should contact the School of Life Sciences for a complete list of courses.

Students choose one three-credit-hour elective course from any of the three categories above. Students should note that only three credit hours of

approved 400-level coursework can appear on the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Sample related fields include business, education, biology, geosciences, political science and English.

Applicants must have completed 12 undergraduate credit hours of natural science or social science coursework related to the environment at the time of application to the graduate certificate program. They must meet all other graduate admissions requirements. Courses are reviewed by the School of Life Sciences graduate committee to ensure that they fulfill this requirement.

**Career Opportunities:** Professionals skilled in communication as well as analytical and critical thinking are highly sought-after in public and private industry. Experience with conservation science, policy, management and leadership prepares graduates for careers in research, policy development, law and business management, among many others.

Career examples include:

- attorney
- ecologist
- professor
- research scientist
- science journalist or communicator

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/certificate-env-comm-ldrship
LSA 212
sols.grad@asu.edu
480-727-3109

## Environmental Life Sciences, PHD (LAELSPHD)

**Online Degree Search Title:** Environmental Life Sciences, PhD
**Campus:** Tempe

**Program Description:** The PhD in environmental life sciences is an integrative graduate degree program that provides doctorate-level training in several fields focused on the interactions between organisms (e.g., plant, microbe, humans and other animals) and the environment (locally and globally).

This unique program integrates training across many fields of study. Dissertations may include any of the following, plus related fields:

- biology (ecology, physiology, evolution)
- biochemistry and chemistry
- conservation science
- environmental engineering
- geosciences
- mathematics and statistics

- social sciences
- spatial sciences
- sustainability

Graduate students are trained by means of a core class taught by environmental life science faculty members, through hands-on experiences in the lab and field, with guidance from committee members across multiple disciplines, and in research seminars.

The program focus is on collaborative, interdisciplinary and integrative study of the causes and consequences of environmental variation across scales ranging from the organism to the globe. The overall goal is to provide a unique, interdisciplinary doctoral program that encourages students to explore and solve complex problems in the context of natural and anthropogenic environmental change.

Administered by ASU's School of Life Sciences, eight additional schools participate in this interdisciplinary program to promote broad, collaborative training.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
ELS 501 Environmental Life Sciences: Grand Challenge: Global Climate Change (3)

Electives (69 credit hours)

Culminating Experience (12 credit hours)
ELS 799 Dissertation (12)

Additional Curriculum Information
ELS 501 is required for students to take during their first semester at ASU.

For electives, students should see the academic unit for approved coursework. Students also may take ELS omnibus courses to fulfill some of the elective requirements.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework are made up of electives and research.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related discipline from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:
- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Environmental life scientists address ecological and environmental questions in social-ecological-technological systems, thus students often have a social science or related component in their dissertation. Graduates are prepared for a range of careers related to global environmental change, conservation and resource management, and sustainable industries among others.

Career examples include:

- climate change analyst
- consultant
- environmental compliance inspector
- environmental engineer

- environmental safety and health coordinator
- insect ecologist and exhibits specialist
- oceans and climate manager
- professor
- public health scientist
- research director
- scientist

Scientist, professor, consultant and research director roles may involve specialization areas, including:

- atmosphere and space
- ecology (community, ecosystem, microbe, population, wildlife)
- ecosystem restoration
- forestry and conservation

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/phd-environmental-life-sciences
LSA 181
sols.grad@asu.edu
480-965-1768

## Environmental Social Science, PHD (LAESSPHD)

**Online Degree Search Title:** Environmental Social Science, PhD
**Campus:** Tempe

**Program Description:** The PhD program in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices is difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields, including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry or nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

**Degree Requirements:**

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree program. This leaves 30 credit hours of coursework, 12 credit hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate degree program.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants may include in the application materials an optional scholarly writing sample, not to exceed 30 double-spaced pages.

**Career Opportunities:** The demand in the job market is for people with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in this degree are increasingly sought-after for their broad, holistic knowledge and perspectives. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- planning communities
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/degrees/graduate/phd-environmental-social-science
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)

**Online Degree Search Title:** Environmental Social Science (Complex Adaptive Systems Science), PhD
**Campus:** Tempe

**Program Description:** The PhD program in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without

a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry and nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing society today. Students will become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (9 credit hours)

Concentration (12 credit hours)

Electives or Research (51 credit hours)

Culminating Experience (12 credit hours)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives or research.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain an average GPA of 3.20 (scale is 4.00 = "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study and typically have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

Students should see the academic unit for a complete list of approved electives and concentration courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants may include in their application materials an optional scholarly writing sample, not to exceed 30 double-spaced pages.

**Career Opportunities:** The demand in the job market is for people with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in this degree are increasingly sought for their broad, holistic knowledge and perspectives. Some career opportunities include:

- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- planning communities
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/degrees/graduate/phd-environmental-social-science
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Environmental Social Science (Urbanism), PHD (LAESSURPHD)

**Online Degree Search Title:** Environmental Social Science (Urbanism), PhD
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The PhD in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult to achieve, if not impossible, without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry or in nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students are able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post admission.

Students entering without a master's degree must earn an additional 30 credit hours of graduate coursework, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate degree program.

All students must maintain an average GPA of 3.20 in their courses and complete degree requirements per the program's satisfactory progress policy.

All students entering the program complete 18 credit hours of core classes in conceptual domains and topical foci. For the concentration in urbanism, 15 credit hours are to be selected from an approved list of applicable courses related to urbanism. Some of the environmental social science core courses also count toward the concentration in urbanism. These courses include the core urbanism course GCU 516 as well as one course from each of the four urbanism clusters: built form, culture and society, institutions and governance, and natural environment.

Additional credit hours come from courses in research design, technical expertise and electives. Students may select from a substantial range of courses to satisfy noncore requirements.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants may submit with their application materials an optional scholarly writing sample, not to exceed 30 double-spaced pages.

**Career Opportunities:** The demand in the job market is for people with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people with the training of this degree are increasingly sought-after for their broad, holistic knowledge and perspectives. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- planning communities
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Evolutionary Biology, PHD (LAEVOPHD)

**Online Degree Search Title:** Evolutionary Biology, PhD
**Campus:** Tempe

**Program Description:** The evolutionary biology PhD is a transdisciplinary graduate degree program that provides doctorate-level training in the historical, conceptual, empirical and quantitative aspects of biological evolution.

Evolution is a fundamental scientific concept underlying all aspects of modern biological, environmental and health-related research. It cuts across biological sciences in ways that few other foci do and informs the theoretical foundations of subfields like population genetics and ecosystem ecology. It allows integration of information and patterns across levels of organization, informs the theoretical foundations of subfields ranging from population genetics to systematics to ecosystem ecology, and provides bridges between temporal and spatial scales.

Forgoing emphases on particular taxa or methods, the program focuses on understanding the patterns and processes that have shaped life on Earth and continue to do so, training the next generation of scientists to use this knowledge to meet present and future challenges to the biosphere and human health in the face of increasing environmental perturbation.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (9 credit hours)
BIO 514 Statistical Models for Biology (4)
EVO 601 Principles of Evolution (3)
EVO 610 Research Areas of Evolution (2)

Electives (9 credit hours)
The program advisor as well as the student's advisor will determine these courses in conjunction with the student.

Other Requirements (54 credit hours)
research, coursework or 30 credit hours from a previously awarded master's degree

Dissertation (12 credit hours)
EVO 799 Dissertation (12)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Those who have earned a doctorate in evolutionary biology are prepared for academic careers at every level, from community colleges to research universities, and their skills and knowledge are also valuable for government careers in federal and state agencies and for careers in industry and nongovernmental organizations.

Career examples include:

- health care scientists in academic, private and industrial labs
- principal investigators in government labs and nonprofit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools
- wildlife, animal and conservation scientists

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/phd-evolutionary-biology
LSA 181
sols.grad@asu.edu
480-965-1768

## Evolutionary Medicine (Certificate), Certificate (LAEVMDGRCT)

**Online Degree Search Title:** Evolutionary Medicine (Graduate Certificate)
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** With rising need for health science-related skills and an aging population in the United States, innovations in health and medicine are in demand.

Evolutionary medicine is a new and burgeoning field situated between the life and social sciences that integrates the fields of genetics, medicine, global health, evolutionary biology and public health to transform understanding of disease and improve human health. Students who complete this certificate program learn how to integrate perspectives from across fields to answer questions about health and disease in the context of human life history.

Students are introduced to integrated approaches within the biological and social sciences that are capable of addressing an emerging, anticipated public need such as reemerging infectious disease, challenges with vaccines, the expansion of chronic disease and other growing public health crises.

**Degree Requirements:**
15 credit hours including the required capstone course (BIO 571).
Required Core (3 credit hours)
ASB 507/BIO 507 Advanced Evolutionary Medicine (3) or
ASM 503/BIO 510 Evolutionary Medicine and Global Health (3)

Restricted Electives in Anthropology (3 credit hours)
ASB 503 Medical Anthropology (3)
ASB 510 Health: Social and Biocultural Theories (3)

Restricted Electives in Biology (3 credit hours)
ASM 546/BIO 546 Principles of Human Genetics (3)
BIO 545 Populations: Evolutionary Genetics (3)
EVO 601 Principles of Evolution (3)

Electives or Research (3 credit hours)

Culminating Experience (3 credit hours)
BIO 571 Evolutionary Medicine Capstone (3)

Additional Curriculum Information
Students choose one course from an approved list of electives or research courses and cannot choose courses already taken for required core or restricted electives in anthropology and biology. For restricted electives in anthropology and biology, students must choose one course from the list indicated for each subject.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the life or social sciences or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The professional resume should demonstrate the applicant's skills and previous training.

The written statement should address future career goals to better assist the student with selection of the most applicable set of courses in evolutionary medicine.

International students who need an F1 or 1 J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** According to the Bureau of Labor Statistics, demand for health science-related careers is expected to grow 18% between 2016 and 2022. With an aging population in the United States and a pivot toward global health concerns, there is an increase in demand for health care services.

Health care professional programs have competitive admissions processes, and students with a certificate in evolutionary medicine are able to set themselves apart from their peers with skills in problem-solving to address the integration of basic medical and public health science and practice. They also have a working knowledge of how evolutionary thinking influences medical and public health intervention and have the ability to apply an integrated conceptual framework to the problems of public health and medicine in order to produce more holistic outcomes for the improvement of human health.

Career examples include:

- anthropologists and sociologists
- biologists
- educators
- physicians, nurses, psychologists and psychiatrists
- public health professionals

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu

LSA 189
sols.advising@asu.edu
480-727-6277

# Exploration Systems Design, MS (LAESDMS)

**Online Degree Search Title:** Exploration Systems Design, MS
**Campus:** Tempe

**Program Description:** The MS program in exploration systems design promotes the development and growth of engineering-literate scientists and science-literate engineers. Its unique curriculum combines science applications with engineering knowledge and skills through engineering and science courses focused on Earth science, space science and astrophysics.

Three concentrations are also offered for those who wish more specific training in instrumentation, systems engineering and sensor networks.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Earth and Space Exploration, BS
Earth and Space Exploration (Astrobiology and Biogeosciences), BS
Earth and Space Exploration (Astrophysics), BS
Earth and Space Exploration (Exploration Systems Design), BS
Earth and Space Exploration (Geological Sciences), BS
Electrical Engineering, BSE
Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (SES 511).
Required Core (5 credit hours)
SES 501 SESE Colloquium (1)
SES 502 Exploring SESE Research (1)
SES 510 Graduate Exploration Project I (3)

Electives or Research (22 credit hours)

Culminating Experience (3 credit hours)
SES 511 Graduate Exploration Project II (3)

Additional Curriculum Information
For elective coursework, students select from the AST, GLG, SES or engineering courses in consultation with their faculty advisor. Six credit hours must be science coursework approved by the faculty advisor. Other courses can be used with academic unit approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, physical science or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

**Career Opportunities:** The U.S. Department of Labor predicts that the economy will add an additional 63,000 jobs in engineering fields related to systems engineering and exploration systems design (involving electrical and electronics, aerospace and mechanical engineering). This is in addition to the 900,000 jobs already existing in the economy in these fields. (https://www.bls.gov/ooh/architecture-and-engineering/home.htm (https://www.bls.gov/ooh/architecture-and-engineering/home.htm))

The state of Arizona has a considerable presence from aerospace and other technology companies with high demand for skilled labor. In particular, local aerospace companies have high demand for students with direct experience and training in the space sector. This degree program is uniquely positioned to provide this training.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Exploration Systems Design, PHD (LAESDPHD)

**Online Degree Search Title:** Exploration Systems Design, PhD
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The PhD program in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide variety of demanding environments on the earth, planets, moons and in space.

This transdisciplinary degree program provides a unique platform for training systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering and sensor networks.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (70 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related filed to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students take two science courses selected from the SESE graduate catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Students should see the program website for application deadlines.

Instrumentation concentration:
An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Systems engineering concentration:
Successful completion of a senior capstone or design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Exploration Systems Engineering as a deficiency course.

Sensor networks concentration:
An undergraduate degree in electrical engineering or computer science is preferred.

**Career Opportunities:** Professionals with expertise in exploration systems design are in high demand across sectors and industries, including remote sensing, systems engineering, data science, environmental consulting, Earth and planetary science, and engineering. Coding and numerical modeling skills translate across many domains, even beyond exploration systems design. Skills in the design, manufacture and deployment of engineered solutions to science problems are valuable to businesses and institutions relying on data-driven strategies to manage large teams and complex problems. The doctoral degree in exploration systems design is generally required for careers in post-secondary education and research.

Career examples include:

- data scientist
- engineering professor
- project manager
- research engineer

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Exploration Systems Design (Instrumentation), MS (LAESDIMS)

**Online Degree Search Title:** Exploration Systems Design (Instrumentation), MS
**Campus:** Tempe

**Program Description:** The MS program in exploration systems design with a concentration in instrumentation promotes the development and growth of engineering-literate scientists and science-literate engineers who are interested in the design, construction and implementation of scientific instrumentation. Its unique curriculum combines science applications with engineering knowledge and skills through engineering and science courses focused on Earth science, space science and astrophysics. The concentration trains students to design the next generation of in-situ or remote sensing instrumentation for exploration of the Earth, space and the universe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Earth and Space Exploration, BS
Earth and Space Exploration (Astrobiology and Biogeosciences), BS
Earth and Space Exploration (Astrophysics), BS
Earth and Space Exploration (Exploration Systems Design), BS
Earth and Space Exploration (Geological Sciences), BS
Electrical Engineering, BSE

Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (SES 511).
Required Core (5 credit hours)
SES 501 SESE Colloquium (1)
SES 502 Exploring SESE Research (1)
SES 510 Graduate Exploration Project I (3)

Concentration (9 credit hours)
AST 540 Astronomical Instrumentation and Data Analysis (3)
EEE 543 Antenna Analysis and Design (3)
EEE 545 Microwave Circuit Design (3)
EEE 548 Coherent Optics (3)
EGR 608 Advanced Simulation (3)
MAE 503 Finite Elements in Engineering (3)
MAE 557 Mechanics of Composite Materials (3)

Electives or Research (13 credit hours)

Culminating Experience (3 credit hours)
SES 511 Graduate Exploration Project II (3)

Additional Curriculum Information
Students select three courses from the available concentration coursework.

For elective coursework, students select from the AST, GLG, SES or engineering courses in consultation with their faculty advisor. Six credit hours must be science coursework approved by the faculty advisor. Other courses can be used with academic unit approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, physical science or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

**Career Opportunities:** The U.S. Department of Labor predicts that the economy will add an additional 63,000 jobs in engineering fields related to instrumentation and exploration systems design (involving electrical and electronics, aerospace and mechanical engineering). This is in addition to the 900,000 jobs already existing in the economy in these fields. (https://www.bls.gov/ooh/architecture-and-engineering/home.htm (https://www.bls.gov/ooh/architecture-and-engineering/home.htm))

The state of Arizona has a considerable presence from aerospace and other technology companies with high demand for skilled labor. In particular, local aerospace companies have high demand for students with direct experience and training in the space sector. The concentration in instrumentation is uniquely positioned to provide this training.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration

https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)

**Online Degree Search Title:** Exploration Systems Design (Instrumentation), PhD
**Campus:** Tempe

**Program Description:** The exploration systems design PhD program offers an advanced systems approach for developing scientific exploration technologies in a range of demanding environments on Earth and in space.

This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This is a collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering that allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. The instrumentation concentration prepares students in the development of state of the art sensors and systems for remote and in-situ sensing related to planetary science, earth science and astronomy.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Concentration (9 credit hours)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students take two science courses selected from the SESE graduate catalog (GLG, SES or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

Students should see the program website for application deadlines.

**Career Opportunities:** Professionals with expertise in exploration systems design are in high demand across sectors and industries, including remote sensing, systems engineering, data science, consulting, Earth and planetary science, and engineering. Coding and numerical modeling skills translate across many domains, even beyond exploration systems design. Skills in the design, manufacture and deployment of engineered solutions to science problems are valuable to businesses and institutions relying on data-driven strategies to manage large teams and complex problems. The doctoral degree in exploration systems design is generally required for careers in post-secondary education and research.

Career examples include:

- data scientist
- engineering professor
- instrument builder
- machining specialist
- project manager
- research engineer

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Exploration Systems Design (Sensor Networks), MS (LAESDSNMS)

**Online Degree Search Title:** Exploration Systems Design (Sensor Networks), MS
**Campus:** Tempe

**Program Description:** The MS program in exploration systems design with a concentration in sensor networks promotes the development and growth of engineering-literate scientists and science-literate engineers interested in the use of robotics, data science and other computational tools applied to science problems in Earth and space sciences.

Its unique curriculum combines science applications with engineering knowledge and skills through engineering and science courses focused on Earth science, space science and astrophysics. The concentration program trains students to use modern computational tools to solve the some of the most complex science problems humanity faces.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Earth and Space Exploration, BS
Earth and Space Exploration (Astrobiology and Biogeosciences), BS
Earth and Space Exploration (Astrophysics), BS
Earth and Space Exploration (Exploration Systems Design), BS
Earth and Space Exploration (Geological Sciences), BS
Electrical Engineering, BSE
Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (SES 511).
Required Core (5 credit hours)
SES 501 SESE Colloquium (1)
SES 502 Exploring SESE Research (1)
SES 510 Graduate Exploration Project I (3)

Concentration (9 credit hours)
CEN 571 Hardware Acceleration and FPGA Computing (3)
EEE 507 Multidimensional Signal Processing (3)
EEE 511 Artificial Neural Computation (3)

EEE 515 Machine Vision and Pattern Recognition (3)
EEE 551 Information Theory (3)
MAE 547 Modeling and Control of Robots (3)

Electives or Research (13 credit hours)

Culminating Experience (3 credit hours)
SES 511 Graduate Exploration Project II (3)

Additional Curriculum Information
Students select three courses from the available concentration coursework.

For elective coursework, students select from the AST, GLG, SES or engineering courses in consultation with their faculty advisor. Six credit hours must be science coursework approved by the faculty advisor. Other courses can be used with academic unit approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, physical science or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** The U.S. Department of Labor predicts that the economy will add an additional 63,000 jobs in engineering fields related to systems engineering and exploration systems design (involving electrical and electronics, aerospace and mechanical engineering). This is in addition to the 900,000 jobs already existing in the economy in these fields. https://www.bls.gov/ooh/architecture-and-engineering/home.htm (https://www.bls.gov/ooh/architecture-and-engineering/home.htm)

The state of Arizona has a considerable number of aerospace and other technology companies with high demand for skilled labor. In particular, local aerospace companies have high demand for those with direct experience and training in the space sector. The concentration in sensor networks is uniquely positioned to provide this training.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)

**Online Degree Search Title:** Exploration Systems Design (Sensor Networks), PhD
**Campus:** Tempe

**Program Description:** The exploration systems design PhD program offers an advanced systems approach for developing scientific exploration technologies in a range of demanding environments on Earth and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. The sensor networks concentration prepares students in the development of networked software and hardware systems related to earth and space exploration, including robotics, data science and high-performance computing.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Concentration (9 credit hours)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include engineering, computer science, geological sciences or physics.

As part of the electives or research, students take two science courses selected from the SESE graduate catalog (GLG, SES or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students should see the program website for application deadlines.

An undergraduate degree in electrical engineering or computer science is preferred.

**Career Opportunities:** Professionals with expertise in exploration systems design are in high demand across sectors and industries, including remote sensing, systems engineering, data science, environmental consulting, Earth and planetary science, and engineering. Coding and numerical modeling skills translate across many domains, even beyond exploration systems design. Skills in the design, manufacture and deployment of engineered solutions to science problems are valuable to businesses and institutions relying on data-driven strategies to manage large teams and complex problems. The doctoral degree in exploration systems design is generally required for careers in post-secondary education and research.

Career examples include:

- data scientist
- engineering professor
- instrument builder
- project manager
- research engineer
- sensor technologist

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration

https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Exploration Systems Design (Systems Engineering), MS (LAESDSEMS)

**Online Degree Search Title:** Exploration Systems Design (Systems Engineering), MS
**Campus:** Tempe

**Program Description:** The MS program in exploration systems design with a concentration in systems engineering promotes the development and growth of engineering-literate scientists and science-literate engineers interested in the design, construction and implementation of next generation space missions and large projects.

Its unique curriculum combines science applications with engineering knowledge and skills through engineering and science courses focused on Earth science, space science and astrophysics. The concentration trains students to design the next generation of large projects and space missions for exploration of the Earth, space and the universe.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Earth and Space Exploration, BS
- Earth and Space Exploration (Astrobiology and Biogeosciences), BS
- Earth and Space Exploration (Astrophysics), BS
- Earth and Space Exploration (Exploration Systems Design), BS
- Earth and Space Exploration (Geological Sciences), BS
- Electrical Engineering, BSE
- Electrical Engineering (Electric Power and Energy Systems), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (SES 511).
Required Core (5 credit hours)
SES 501 SESE Colloquium (1)
SES 502 Exploring SESE Research (1)
SES 510 Graduate Exploration Project I (3)

Concentration (9 credit hours)
EGR 530 Principles of Systems Engineering (3)
EGR 608 Advanced Simulation (3)
EGR 611 Complex Engineering Systems (3)
IEE 573 Reliability Engineering (3)
MAE 547 Modeling and Control of Robots (3)
MAE 557 Mechanics of Composite Materials (3)
MAE 565 Rocket Propulsion (3)
MAE 587 Radiation Heat Transfer (3)

Electives or Research (13 credit hours)

Culminating Experience (3 credit hours)
SES 511 Graduate Exploration Project II (3)

Additional Curriculum Information
Students select three courses from the available concentration coursework.

For elective coursework, students select from the AST, GLG, SES or engineering courses in consultation with their faculty advisor. Six credit hours must be science coursework approved by the faculty advisor. Other courses can be used with academic unit approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, physical science or a related field

from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** The U.S. Department of Labor predicts that the economy will add an additional 63,000 jobs in engineering fields related to systems engineering and exploration systems design (involving electrical and electronics, aerospace and mechanical engineering). This is in addition to the 900,000 jobs already existing in the economy in these fields: https://www.bls.gov/ooh/architecture-and-engineering/home.htm (https://www.bls.gov/ooh/architecture-and-engineering/home.htm).

The state of Arizona has a considerable presence from aerospace and other technology companies with high demand for skilled labor. In particular, local aerospace companies have high demand for students with direct experience and training in the space sector. The concentration in systems engineering is uniquely positioned to provide this training.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)

**Online Degree Search Title:** Exploration Systems Design (Systems Engineering), PhD
**Campus:** Tempe

**Program Description:** The exploration systems design PhD program offers an advanced systems approach for developing scientific exploration technologies in a range of demanding environments on Earth and in space.

This transdisciplinary degree program provides a unique platform for training systems engineers who are interested in developing technologies for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. The systems engineering concentration prepares students in the design, planning, creation and operation of complex exploration systems, including spaceflight and missions and large, multidisciplinary experiments.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Concentration (9 credit hours)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded

master's degree in a related field to be used for this degree. Related fields include engineering, computer science, geological sciences or physics.

As part of the electives or research, students take two science courses selected from the SESE graduate course catalog (GLG, SES or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements courses may be made per department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Systems engineering concentration: Successful completion of a senior capstone or design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Exploration Systems Engineering as a deficiency course.

**Career Opportunities:** Professionals with expertise in exploration systems design are in high demand across sectors and industries, including remote sensing, systems engineering, data science, consulting, Earth and planetary science, and engineering. Coding and numerical modeling skills translate across many domains, even beyond exploration systems design. Skills in the design, manufacture and deployment of engineered solutions to science problems are valuable to businesses and institutions relying on data-driven strategies to manage large teams and complex problems.

The doctoral degree in exploration systems design is generally required for careers in post-secondary education and research.

Career examples include:

- data scientist
- engineering professor
- instrument builder
- project manager
- research engineer
- systems engineer

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Family and Human Development, MS (LAFAMHDMS)

**Online Degree Search Title:** Family and Human Development, MS
**Campus:** Online

**Program Description:** The MS program in family and human development provides practitioner-oriented professionals with an understanding of relationships and developmental dynamics.

Students learn how to effectively evaluate and consume research, translate research into best practices, and apply these principles at work. They gain knowledge and skills necessary for promoting healthy development of individuals and families as they study the factors that promote successful relationships and positive outcomes for individuals, families and communities across the lifespan.

The online format provides easy access to rigorous and valuable information that informs best practices in improving the lives of families and family members. The program also includes a customizable culminating experience that allows students to focus their training in their areas of interest and work.

**Degree Requirements:**
30 credit hours including the required capstone course (FAS 588).
Required Core (9 credit hours)
CDE 531 Theoretical Issues in Child Development (3)
FAS 586 or SOC 586 Capstone I (3)
FAS 587 or SOC 587 Capstone II (3)

Electives or Research (18 credit hours)
FAS 500 Research Methods (3)
CDE 501 Social Statistics (3)
diversity course (3)
other elective coursework (9)

Culminating Experience (3 credit hours)
FAS 588 Capstone III (3)

Additional Curriculum Information
Students complete the coursework and culminating experience courses in consultation with the assigned academic advisor. The plan of study should be completed and approved by the academic advisor once completing 50% of the minimum required credit hours for the degree. Acceptance of the proposed plan of study must be verified by the signature of the chair and academic advisor. After approval from the program or college, the plan of study is submitted to the Graduate College for final approval.

FAS 500 and CDE 501 may be replaced by equivalent courses with approval by the academic advisor.

The diversity course and other elective coursework are chosen with approval by the academic advisor. The remaining elective credits must be from the FAS, CDE or SOC prefixes.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- current resume or curriculum vitae
- personal statement of goals relevant to the master's degree program
- two letters of recommendation from professional or academic backgrounds
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement must be four to five pages, double-spaced, and must address the applicant's professional goals, the applicant's strengths that will enable the applicant to succeed in the program, and relevant professional experience or responsibilities to the program.

Letters of recommendation must be from at least two academic or professional sources. Family members and friends do not meet this criterion. Applicants should see the program website for full application deadlines and admission terms and details.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-family-and-human-development/) for program descriptions and to request more information.

**Career Opportunities:** Graduates often pursue careers in human, social and government agencies working with children, youth and adults in positions such as:

- caseworker
- children, youth and family services worker
- community engagement specialist
- community support program official
- family support specialist
- human service specialist
- manager
- nonprofit organization administrator
- outreach coordinator

While the information students learn in this program could be beneficial to therapists and counselors, this degree does not enable students to seek licensure as a professional counselor or marriage and family therapist; that requires the completion of an additional program or degree.

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/degree/graduate/ms-family--human-development
SS 144
graduatesanford@asu.edu
480-965-6978

## Family and Human Development, PHD (LAFAMSCPHD)

**Online Degree Search Title:** Family and Human Development, PhD
**Campus:** Tempe

**Program Description:** The PhD program in family and human development is devoted to the study of families, children and youth. The program's research, teaching and service have direct meaning in the lives of children and adults and for the families and communities in which they live.

The faculty share a common commitment to high-quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

**Degree Requirements:**
85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (1 credit hour)
FAS 503 Academic Professional Development (1)

Electives (40 credit hours)

Other Requirements (26 credit hours)
CDE 531 Theoretical Issues in Child Development (3)
FAS 500 Research Methods (3)
FAS 531 Theoretical Issues in Family Sciences (3)
FAS/CDE 598 Topic: Introduction to Regression and Linear Models (3)
FAS/CDE 598 Topic: Introduction to Regression and Linear Models Lab (1)
FAS/CDE 598 Topic: Advanced Regression and Nonlinear Models (3)
FAS/CDE 598 Topic: Advanced Regression and Nonlinear Models Lab (1)
two graduate-level courses in advanced methods or statistics (6)
one graduate-level diversity course (3)

Research (6 credit hours)
FAS or CDE 592 Research (6)

Culminating Experience (12 credit hours)
FAS or CDE 799 Dissertation (12)

Additional Curriculum Information
Postbaccalaureate (students entering after the bachelor's degree): Of the 85 credit hours for a postbaccalaureate program, six credit hours are dedicated to an empirical project and 12 credit hours are for the dissertation.

Post-master's (students entering after the master's degree): When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this credential. Of the 55 credit hours of the post-master's degree program, 12 credit hours are for the dissertation.

Electives should be chosen in consultation with and approval of the advisor. Electives may be selected within or outside of the Sanford School. All

elective courses must be 500 level or higher.

Substitutions for all courses listed under other requirements may be made per department approval.

For the diversity course requirement, students should refer to the department for a list of approved courses.

For the advanced methods or statistics requirement, students take two courses with content that advances beyond Quantitative Methods I and II.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a resume or curriculum vitae
- statement of goals relevant to the doctoral program
- three letters of recommendation
- proof of English proficiency

Additional Application Information:
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement must be four to six pages, double-spaced, and address the applicant's professional goals, the applicant's strengths that will enable the applicant to succeed in the program, a detailed description of past research experience, relevant professional experiences or responsibilities, and specific personal research interests. The applicant also must identify two or three faculty members whose research interests match their own and explain why they are good matches.

Three letters of recommendation are required. These must include at least one from an instructor at the applicant's institution where undergraduate or graduate work was completed. The letters should be from people who know the applicant in a professional or academic capacity. Letters from family members or friends do not meet this criterion.

Students should see the program website for full application deadlines.

**Career Opportunities:** Graduates possess knowledge and skills necessary for promoting healthy individual and family development as they study the factors that promote successful relationships and positive outcomes for individuals, families and communities across the lifespan. Graduates often pursue careers working with children, youth and adults in human, social and government agencies or take on leadership roles as researchers in a university, a public or privately funded agency, an industry or in government.

Career examples include:

- community support program officials
- government agency administrators and professionals
- instructors
- nonprofit organization administrators
- research professionals

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/degree/graduate/phd-family--human-development
SS 144
graduatesanford@asu.edu
480-965-6875

## Film and Media Studies, MAS (LAAMPCMAS)

**Online Degree Search Title:** Film and Media Studies, MAS
**Campus:** Online

**Program Description:** Providing a comprehensive overview of film, television, videogames and other digital media across a range of texts and platforms, the MAS program in film and media studies helps students develop into more critically informed writers, teachers, storytellers and

consumers of popular culture and media.

Delivered exclusively online, the Master of Advanced Study program explores the aesthetic, industrial, social and cultural dimensions of U.S. media production within a dynamic, interactive and flexible learning environment.

**Degree Requirements:**
30 credit hours and a written comprehensive exam.
Required Core (9 credit hours)
FMS 504 Film Analysis (3)
FMS 510 Digital Media Studies (3)
FMS 520 Cultural History of US Television: Theory and Method (3)

Electives (21 credit hours)

Culminating Experience (0 credit hours)
written comprehensive exam (0)

Additional Curriculum Information
The program consists of nine credit hours of core courses, 21 credit hours of electives and a written comprehensive exam. Students should review the webpage and then consult the director.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- letters of recommendation (optional)
- application essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. Students should see the Department of English website for specific details about English proficiency requirements.

The two-page statement of purpose should describe past academic work, reasons for pursuing the Master of Advanced Study, and the skills that prepare the applicant for this degree.

Applicants are asked to write and submit a three-page essay that assesses their knowledge of media theory and critical analysis skills. The subject of the essay is given in the online application. Applicants should demonstrate the ability to write well and construct a persuasive critical argument. Appropriate secondary sources should be used in this essay.

While letters of recommendation are optional, applicants may include two or three letters in their application. Recommenders should be former teachers or supervisors, addressing the applicant's academic performance, motivation and character.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-american-media-and-popular-culture/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Graduates of this program will be able to engage theory and apply key concepts in film and media studies.
- •Students will be able to identify, evaluate and integrate appropriate primary and secondary sources in relation to the study of media.

•Graduates will be able to analyze the cultural, economic, political and technological factors that influence media production, reception and analysis.

**Career Opportunities:** Media industries are sources of ever-increasing opportunities for graduates. The Master of Advanced Study degree in film and media studies provides students with a set of valuable skills that lead to numerous employment opportunities in fields including education, academia, journalism, communications, research and media consulting. There is also more need for media studies experts in every major industry, with media presence being a requirement in today's society. Every industry and company has media departments with specialists in media policy, strategy, research, marketing, social media and branding.

Career examples include:

- archivist
- branding strategist
- educator
- media buyer
- media critic
- media industry journalist
- media researcher
- political media strategist
- producer
- public relations expert
- social media strategist
- teacher

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission
RBHL 170
enggrad@asu.edu
480-965-7454

## French (Comparative Literature), MA (LAFRECLMA)

**Online Degree Search Title:** French Comparative Literature, MA
**Campus:** Tempe
This program is not currently accepting applications.
**Program Description:** The MA in French comparative literature provides students with an opportunity to develop an advanced knowledge of French and of Francophone and other world literatures, histories and major works. Students also develop a sound knowledge of the traditions, aims and methods of scholarly research in the field.

**Degree Requirements:**
30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.
Graduate students may take only 500-level courses for graduate credit. At least nine credit hours must be selected from those courses listed exclusively for graduate students. The program must include:

- FRE 500 Research Methods (3)
- two courses in linguistics, civilization or translation, of which one course must be in linguistics
- one course in critical or cultural theory

It is recommended that the candidate enroll in FRE 500 as early as possible.

A minimum of four core courses offered by the French section must be selected from any combination of the following categories:

- Francophone studies courses
- genre courses
- period courses

When approved by the graduate committee, up to six credit hours of related coursework may be taken outside of French.

A student must achieve a grade of "B" (scale is 4.00 = "A") or higher in all work specifically included in the plan of study. Grades below a "C" (2.00) cannot be used to meet the requirements of a graduate degree. No student may accumulate more than one incomplete at any one time.

Independent study courses are given only under exceptional circumstances and do not duplicate courses which are available. The French graduate committee is responsible for authorizing such work in cooperation with the individual professor. No more than three credit hours of independent

study is permitted.

Students must complete an applied project.

The written examination for the concentration in comparative literature is administered by the interdepartmental committee for comparative literature and consists of two essay-based components: general concepts of comparative literature and problems of comparative literature.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The writing sample should represent the applicant's thinking as well as writing skills, and it should be written in French on a topic connected with the language or French culture. The writing sample should be approximately five to 10 pages in length.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

**Career Opportunities:** Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- editors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/graduate
DH 318
silc@asu.edu
480-965-6281

## French (Linguistics), MA (LAFRELINMA)

**Online Degree Search Title:** French Linguistics, MA
**Campus:** Tempe
This program is not currently accepting applications.
**Program Description:** The MA in French linguistics provides students with the opportunity to develop an advanced knowledge of current linguistic theory as it applies to French as well as a sound grounding in the tools necessary to carry out linguistic research.

**Degree Requirements:**
30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

The plan of study for the master's degree includes:

- an applied project
- a minimum of 30 credit hours of graduate-level work as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department
- in some programs, six credit hours in another language or in closely related courses (when approved by the candidate's supervisory committee)

All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list as agreed upon serves as a guide to prepare for this examination.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in French on a topic connected with the language or French culture; it should be approximately five to 10 pages in length.

**Career Opportunities:** Professionals with this degree can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work, or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- editors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/graduate
DH 318
silc@asu.edu
480-965-6281

## French (Literature), MA (LAFRELITMA)

**Online Degree Search Title:** French Literature, MA
**Campus:** Tempe
This program is not currently accepting applications.
**Program Description:** The MA program in French literature provides students with an opportunity to develop an advanced knowledge of French and Francophone literature, its history and major works, as well as a sound knowledge of the traditions, aims and methods of scholarly research in the field.

**Degree Requirements:**
30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.
The plan of study for the master's degree includes:

- an applied project
- a minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department

When approved by the candidate's supervisory committee, six credit hours in another language or in closely related courses may be included in the program.

All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking and writing skills, and it should be written in French on a topic connected with the language or French culture; it should be approximately five to 10 pages in length.

**Career Opportunities:** Professionals with this degree can confidently move into many fields. The skills they developed through this program are valued for teaching positions, translation work or work in a larger sector such as government, diplomacy and international business.

Career examples include:

- editors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers
- teachers and professors of area, ethnic and cultural studies

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/graduate
DH 318
silc@asu.edu
480-965-6281

## Gender Studies, PHD (LAGSTPHD)

**Online Degree Search Title:** Gender Studies, PhD
**Campus:** Tempe

**Program Description:** The PhD program in gender studies is part of the nation's first School of Social Transformation. The inclusive gender studies doctoral program empowers tomorrow's community leaders and scholars by immersing students in:

- creative and critical knowledge production
- deep fluency in feminist theory and practical applications
- publicly engaged academic research
- socially embedded community partnerships

The connections between social locations, community and lived experience are the foundation of the research, teaching and community engagement. Faculty and students explore these intersections from a holistic perspective that goes beyond the classroom.

The gender studies program includes courses that explore the gender dimension of social structures, institutions and organizations; the processes of social change and community development; the ways policies and laws can change gender relations; the impact of gender on health care, health occupations, science and technology and health, science and technology policy; and the historical and contemporary representations of gender in all genres, including art, literature, popular culture, scientific, medical, historical and legal discourse, and theater and performance.

Students can choose to specialize in a wide range of topic areas:

- activism and social movements
- BIPOC feminisms
- critical refugee studies
- critical globalization and development studies
- immigration and migration
- feminist social reproduction theory
- popular culture studies
- queer of color critique
- reproductive justice
- transnational feminisms

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (12 credit hours)
WST 601 Critical Concepts of Gender (3)
WST 602 Mapping the Intersections of Gender (3)
WST 603 Engendering Methodology (3)
WST 701 Research Design and Proposal Development in Gender Studies (3)

Elective Coursework in Methodology (6 credit hours)

Elective Coursework in Specialization (12 credit hours)

General Electives (30 credit hours)

Research and Dissertation (24 credit hours)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives to reach the required 84 credit hours.

Students should see the academic unit for a complete list of approved electives.

Students must maintain an average GPA of 3.50 (scale is 4.00 = "A") in their courses.

The gender studies doctoral program is designed to provide students with the transdisciplinary training in theory and methods needed to conduct original research and scholarship about gender. Thus, students also take two research methods courses relevant to their dissertation chosen in consultation with their faculty advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

The gender studies program welcomes applications from qualified students without regard to race, creed, color, religion, sex or national origin. Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official copies of all undergraduate and graduate transcripts
- resume or curriculum vitae
- statement of purpose
- three letters of reference, preferably from faculty or other researchers
- writing sample (10 to 15 pages)
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students should see the ASU Admission Services website for mailing addresses and further admission information.

For additional financial information, students should consult the Tutition and Aid (https://tuition.asu.edu/) website.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Integrate and apply the core theories of gender in the field of Women and Gender Studies.
- •Examine and apply intersectionality as a foundational framework in the field of Women and Gender Studies.
- •Evaluate and apply core methodologies in the field of Women and Gender Studies.

**Career Opportunities:** Graduates of the program have gone on to careers at universities, research and policy institutes, government organizations and nonprofit organizations.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTgraduate@asu.edu
480-965-7682

## Gender Studies (certificate), Certificate (LAWSTGRCT)

**Online Degree Search Title:** Gender Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate program in gender studies offers graduate students the opportunity to enhance their advanced degrees with demonstrated proficiency and knowledge about gender research and theories that they may apply in their own fields.

The certificate is pursued in tandem with any graduate degree program at ASU.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
WST 601 Critical Concepts of Gender (3)
WST 602 Mapping the Intersections of Gender (3)

Electives (9 credit hours)

Additional Curriculum Information
Elective courses may be chosen from other WST graduate courses or from more than 30 approved courses from other departments throughout the university. Other courses may also be used with the graduate director's approval.

Up to six credit hours not used for another ASU degree or certificate can be transferred from another university, with the graduate director's approval. Courses should be recorded on the transfer section of the student's interactive program of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the United States on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The certificate is not offered as a stand-alone, certificate-only program. It is open only for degree-seeking students. However, up to nine credit hours of ASU nondegree credit can be transferred into the program for those who eventually gain admission into an ASU graduate degree program.

Students should see the program website for more information about the certificate and to design coursework.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Will gain an understanding of the key concepts, theoretical frameworks, interdisciplinary approaches and critical debates that have shaped the field of gender studies
- Will gain an understanding of theoretical concepts, metaphors and frameworks employed by feminist scholars to understand the way gender articulates with other categories of difference

**Career Opportunities:** Graduates of the program have gone on to careers at universities, research and policy institutes, government organizations and nonprofit organizations.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTgraduate@asu.edu
480-965-7682

## Gender, Women and Sexuality Studies, MA (LAWSTMA)

**Online Degree Search Title:** Gender, Women and Sexuality Studies, MA
**Campus:** Tempe, Online

**Program Description:** The MA program in gender, women and sexuality studies is designed for students who wish to gain research skills and knowledge about gender analysis and to apply those tools to real-world problems and solutions. The program is designed for those who want a master's degree as a terminal degree.

This flexible, 30 credit hour master's degree program provides advanced training in feminist research, theory and methodologies. All students may take an internship and all must complete an applied project in which students conduct research that addresses practical, site-specific problems linked to gender. Final projects may take a variety of forms, including program assessments, grant proposals, tests of new interventions or curricula, and so on. These projects may help lead students to careers in human services, program evaluation, policy development and other fields.

Full-time students can complete the degree program within two years while part-time students take longer but can combine work with study.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (WST 593).
Required Core (6 credit hours)
WST 501 Foundations of Feminist Thought (3)
WST 502 Interdisciplinary Gender Research Methodologies (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)
WST 593 Applied Project (6)

Additional Curriculum Information
Students must successfully provide an oral defense of the applied project.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students may be admitted with a BA or BS in any field as long as they have completed two courses in women and gender studies or have equivalent experience. Appropriate majors may include women, gender and sexuality studies; history; English; sociology; religious studies; social work; psychology; communication or ethnic studies. Students who have previously majored in a science, technology, engineering or mathematics field and have interests in gender and education or gender and science may also apply for this program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts from all college and universities where the applicant earned a bachelor's or master's degree
- personal statement
- resume or curriculum vitae
- writing sample
- two or three letters of recommendation
- relevant coursework
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

The personal statement should be approximately 1,000 words and describe any prior research experience and training, professional goals and research interests, and the fit between interests and the program's emphases. The statement should be uploaded.

The writing sample should be seven to 10 pages. This can include a research brief or report, a white paper, a policy paper or a paper for a recent academic course. The writing sample should reflect the applicant's writing ability and critical thinking skills.

The letters of recommendation should be from a recommender who can speak to the applicant's strengths and weaknesses for graduate study and to their critical thinking, writing, speaking and presentation skills, intellectual ability, leadership potential, and their interpersonal skills and ability to work with others, or other relevant accomplishments that best highlight the applicant's ability to complete a graduate degree in women and gender studies.

The list of relevant coursework should include at least two courses, undergraduate or graduate, the applicant has taken that focus on gender or women. In addition, the applicant should list any research methods or social justice courses.

Further details about application requirements and application deadlines are available on the School of Social Transformation's webpage.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-women-gender-sexuality-studies/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Will gain an understanding of and be able to apply the key concepts, theoretical frameworks, interdisciplinary approaches and critical debates that have shaped the field of gender studies
- •Will gain an understanding of and learn to develop and conduct research through a feminist perspective
- •Will demonstrate the ability to perform intersectional feminist analysis

**Career Opportunities:** Graduates of the program have gone on to careers at universities, research and policy institutes, government organizations and nonprofit organizations.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTgraduate@asu.edu
480-965-7682

## Geographic Education, MAS (LAGEOEDMAS)

**Online Degree Search Title:** Geographic Education, MAS
**Campus:** Tempe, Online
ASU is not currently accepting applications for this program.
**Program Description:** The MAS program in geographic education provides teachers with the opportunity to obtain specialized experience in geographic pedagogy. The degree program is intended for K--12 teachers and is appropriate for both elementary and secondary school teachers.

**Degree Requirements:**
30 credit hours and an applied project.
Required Core (3 credit hours)
COE 501 Introduction to Research and Evaluation in Education (3)

Geography Coursework (24 credit hours)

Culminating Experience (3 credit hours)
DCI 593 Applied Project (3) or
SED 593 Applied Project (3)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

Students are required to have access to a computer with an Internet connection and the capability to view video and animated files with sound, access to email, and access to a word processing program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in education, geography or related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. One letter must be from a former instructor.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Geographic Information Science, PHD (LAGISPHD)

**Online Degree Search Title:** Geographic Information Science, PhD
**Campus:** Tempe

**Program Description:** The PhD program in geographic information science fosters training of next generation scientists and engineers who will excel at theoretical, computational, analytical and technical knowledge in transdisciplinary geospatial sciences.

Students in this doctoral program have the opportunity to conduct research at the Spatial Analysis Research Center alongside world-renowned faculty specializing in remote sensing and earth observation, GIS, geoinformatics, spatial statistics and spatial-temporal analysis. Researchers are investigating a variety of issues, including voting habits, health crises, altering landscapes and more --- all in an attempt to better understand this complex and changing world.

The program has sufficient flexibility to allow for individual needs and interests, allowing students to create a plan of study that fits their personal, academic and professional goals.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (12 credit hours)
GIS 520 GIScience Issues and Debates (3)
GIS 521 Geographic Information Science Programming (3)
GIS 571 Spatial Statistics for Geography and Planning (3)
GCU 585 Geographic Research Design and Proposal Writing (3)

Electives or Research (55 credit hours)

Remote Sensing (3 credit hours)

Other Requirements (2 credit hours)
GCU 591 or GPH 591 Seminar: Geography Colloquium (2)

Culminating Experience (12 credit hours)
GIS 799 Dissertation (12)

Additional Curriculum Information
Students select electives, remote sensing and other requirements seminar coursework in consultation with their academic advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in geography, geology, earth science, computer programming, GIS, environmental science, geomatics or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- written statement

- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation should be from academic professionals or professional colleagues capable of evaluating the applicant's abilities, accomplishments and professional potential.

The written statement must address the following questions:

- What area of specialization within GIS do you wish to pursue, and why?
- Describe the aspects of your education that will enable you to pursue this area of specialization.
- What additional training do you feel you can obtain at Arizona State University to realize your education and career goals?

Also in the written statement, applicants should provide any other information (for example: research experience or information which might be drawn from a resume) that they feel the committee should consider in the application for admission. The written statement should be no longer than two pages. A generic statement, often sent to multiple universities, does not substitute for a statement that addresses the applicant's reasons for applying to this doctoral program in geographic information science.

**Career Opportunities:** Professionals with expertise in geospatial information science research, theory and practice are in high demand across sectors and industries, including in institutions of higher education, consulting firms and government agencies. Skills in geographical data science, mapping and data analysis are valuable to businesses and institutions that rely on data-driven approaches to solve complex real-world problems.

Career examples include:

- computer scientist
- conservation scientist
- geoscientist
- geospatial information scientist or technologist
- geospatial intelligence analyst
- remote sensing scientist or technologist

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/graduate/phd-geographic-information-science
COOR 5th floor
SGSUP.gradprograms@asu.edu
480-965-8733

## Geographic Information Science (certificate), Certificate (LAGEOGISCE)

**Online Degree Search Title:** Geographic Information Science (Graduate Certificate)
**Campus:** Tempe

**Program Description:** Geographic information scientists have the ability to not only map out information but to provide a deeper understanding of the world and the human interactions in it. By combining the disciplines of computer science, statistics and geography, geographic information sciences, experts can help answer the questions of what, where, why and how in many areas of interest in many industries.

The geographic information sciences certificate program teaches students the theoretical aspects of GIS, the technical side of the discipline, and applications of the science. Students learn how to analyze policy problems and research questions from a spatial lens, acquire and analyze remotely sensed data, and model spatial phenomenon.

Skills in geographic information science and geospatial data analytics offer students market-ready tools for turning novel sources of spatial data into informed practice and prepare students to address issues such as climate change, population growth and aging and active transportation. The certificate program enables ASU graduate students from all disciplines and GIS professionals to learn the valuable skill of how to apply GIS concepts and technology to solve complex problems.

The certificate is intended as either a specialization within an existing master's degree or a stand-alone nondegree program for practicing professionals who previously earned a graduate degree.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)

PAF 571 Geographic Information Systems (GIS) and Analysis (3) or
PUP 576 GIS Workshop (3)

Electives (6 credit hours)

Other Requirements (6 credit hours)
ABS 485 GIS in Natural Resources (3)
GIS 521 Geographic Information Science Programming (3)
GIS 561 Fundamentals of Spatial Optimization (3)
GIS 562 Location Analysis and Modeling (3)
GIS 563 Local Statistical Modeling (3)
GIS 571 Spatial Stats for Geography and Planning (3)
GIS 591 Seminar: Data Mining and Data Driven Geography (3)

Additional Curriculum Information
Students select one of the required core courses for a total of three credit hours.

Two of the other requirement courses are selected from the list above for a total of six credit hours; other courses may be substituted with approval from the program director. The program recognizes that other graduate-level courses on GIS are offered at ASU. Advanced courses are often taught in omnibus courses, courses that have rotating content and whose content is not reflected in their titles. Students may include these courses in their certificate curriculum with approval of the program director.

Students select two three-credit hour elective courses for a total of six credit hours in consultation with the program director.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they are currently pursuing a master's degree at ASU or have earned a master's degree and are currently practicing professionals.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The personal statement must be a one-page letter describing the applicant's overall objective for the GIS certificate program. It should clearly state the applicant's interest in GIS and provide evidence that the certificate will enhance the applicant's education or current employment.

Currently practicing professionals must submit a final transcript from the institution granting their master's degree.

**Career Opportunities:** Professionals with expertise in geospatial information science are in high demand across sectors and industries, including consulting firms, government agencies and community organizations. Skills in geographical data science, mapping and geospatial analysis are valuable to businesses and institutions relying on data-driven approaches to solve complex real-world problems.https://www.onetonline.org/link/summary/15-1299.02 (https://www.onetonline.org/link/summary/15-1299.02)

Career examples include:

- cartographer or photogrammetrist
- geographic information systems technician
- geospatial information scientist or technologist
- geospatial intelligence analyst
- mapping technician
- remote sensing scientist or technologist

**Contact Information:**

Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/certificate/certificate-geographic-info-science-cert
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Geographic Information Systems, MAS (LAGISMAS)

**Online Degree Search Title:** Geographic Information Systems, MAS
**Campus:** Tempe

**Program Description:** The MAS in geographic information systems is a compact, one-year degree program fostering advanced study in the management and use of GIS technology in public and corporate environments. The degree program meets important educational needs of working professionals and recent college graduates seeking to improve their career standing. The program provides a comprehensive professional program that balances work in the theoretical and technical aspects of GIS with the applications domain. Students are exposed to innovative technology with a focus on building invaluable problem-solving skills, and the opportunity to work on real-world GIS projects.

The program places the focus on location --- the heart of geography and GIS. From that foundation, students learn advanced modeling solutions in GIS and Earth observing as well as how to integrate computer science, statistics and geography to address a multitude of questions.

Small class sizes ensure quality attention from the faculty, and classes are held in the evening during the week, allowing flexibility for the working professional.

The degree is achievable in one year. A new cohort begins the program each August, with students attending evening classes during the fall and spring semesters. Upon completion of the spring semester, students select a project to complete during a summer eight-week session. Final presentations take place in mid-July, and in fewer than 11 months the degree program is complete.

**Degree Requirements:**
30 credit hours including the required applied project course (GPH 693 or GIS 693).
Required Core (24 credit hours)
GIS 601 Introduction to Geographic Information Systems (2)
GIS 602 Intermediate GIS (2)
GIS 603 Spatial Statistics and Modeling (2)
GIS 604 Implementation in the Corporate and Public Sectors (2)
GIS 605 GIS Project Planning and Implementation (2)
GIS 606 GIS Project Presentation (2)
GIS 610 Programming the GIS Environment (3)
GIS 630 GIS Technologies (3)
GIS 640 GIS for Business (3)
GIS 650 GIS for the Internet (3)

Other Requirement (3 credit hours)
GIS 684 Internship (3)

Culminating Experience (3 credit hours)
GIS 693 Applied Project (3) or
GPH 693 Applied Project (3)

Additional Curriculum Information
Other requirement coursework may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field from a regionally accredited institution or if they demonstrate a minimum of three years related professional experience with a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume

- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must prepare a formal, written personal statement regarding relevant academic experience, professional experience and overall interest in GIS.

Letters of recommendation must be from two people who can attest to the applicant's academic and professional achievements. Letters can be from any combination of current or former instructors, supervisors or professionals currently employed within the GIS or related discipline.

**Career Opportunities:** Professionals with expertise in geospatial information science are in high demand across sectors and industries, including consulting firms, government agencies and community organizations. Skills in geographical data science, mapping and data analysis are valuable to businesses and institutions relying on data-driven approaches to solve complex real-world problems.

Graduates are prepared for careers in private and public industry, in which employees with these skill sets are needed for a wide range of positions, such as software developers, GIS analysts, mapping engineers, real estate researchers and more. Additional career examples include:

- cartographer or photogrammetrist
- geospatial information scientist or technologist
- geospatial intelligence analyst
- mapping technician
- software developer
- remote sensing scientist or technologist

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/graduate/mas-geographic-info-systems
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Geography, MA (LAGEOGMA)

**Online Degree Search Title:** Geography, MA
**Campus:** Tempe, Online

**Program Description:** The MA program in geography is designed to offer specialized academic and professional training in geography so students may secure a sound graduate background for further specialization or for immediate employment. The program has sufficient flexibility to allow for individual needs and interests, allowing students to create a plan of study that fits their personal and professional goals.

In addition to innovative coursework, the state-of-the-art research centers, Spatial Analysis Research Center and Urban Climate Research Center, offer students the opportunity to work with exceptional faculty on diverse research projects. Students have the opportunity to work alongside some of the brightest minds in geography, including four members of the National Academy of Sciences and rising talent in the fields of urban heat island research, GIS and more.

Students earning the Master of Arts in geography have the ability to build a path of knowledge that reflects their personal interests within the realms of geography. Students benefit from a wide variety of coursework and research opportunities in four broad interdisciplinary themes that span the expertise of the faculty within the School of Geographical Sciences and Urban Planning:

- computational spatial science
- earth systems and climate science
- place, identities and culture
- sustainability science and studies

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Geography, BS
Geography, BA
Geography (Meteorology-Climatology), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required capstone course (GPH 597).
Required Core (3 credit hours)
GCU 585 Geographic Research Design and Proposal Writing (3) or
GCU 596 Geographic Research Methods (3)

Other Requirement (8 credit hours)
GCU 528 Geographic Problems and Context (3) or GCU 529 Contemporary Geographic Thought (3)
GCU 591 or GPH 591 Seminar: Geography Colloquium (1)
GCU 591 or GPH 591 Seminar: Geography Colloquium (1)
methods and statistics course (3)

Electives (13 or 16 credit hours)

Culminating Experience (3 or 6 credit hours)
GCU 599 Thesis (6) or GPH 599 Thesis (6)
GPH 597 Geography Capstone (3)

Additional Curriculum Information
Coursework and research hours are selected by the student in consultation with an advisory committee. The program recognizes that other graduate-level courses are offered at ASU. Advanced topics are often taught in omnibus courses, which have rotating content that is not reflected in their titles. Students may include these courses in their curriculum with approval of the program directors.

The other requirement course, Seminar: Geography Colloquium, is taken twice, once in each of the first two semesters of the program, for one credit hour each time. Other courses may be used with approval of academic unit. For the methods and statistics course requirement, students should consult with the academic unit for eligible courses.

Students take 13 credit hours of electives for the thesis culminating experience option and take 16 credit hours of electives for the non-thesis option.

Up to six credit hours of 400-level coursework may be applied toward the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement must address three items:*
- What specialty in geography does the applicant wish to pursue, and why?
- What aspects of the applicant's education (a description is needed) will enable the student to pursue this specialty?
- What additional training does the applicant believe can be obtained at Arizona State University to realize the applicant's educational and career goals?

*Applicants also should provide any other information they feel should be considered in their application for admission, e.g., research experience or information which might be drawn from the applicant's resume.

Letters of recommendation must be from three faculty members who can attest to the applicant's academic achievements.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/geography-masters/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with expertise in geographical sciences research, theory and practice are in high demand across sectors and industries, including consulting firms, government agencies, community organizations and public and private research facilities. Skills in geographical data analysis, mapping and climate science are valuable to businesses and institutions relying on research-based approaches to solve complex real-world problems.

Some graduates of the program continue on to pursue doctoral degrees.

Career examples include:

- environmental scientist or specialist
- geographic information systems technician
- geological materials technician
- geophysical data technician
- geoscientist
- geospatial information scientist or technologist

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/graduate/ma-geography--ma
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Geography, PHD (LAGEOGPHD)

**Online Degree Search Title:** Geography, PhD
**Campus:** Tempe

**Program Description:** The specialized academic and professional training students receive in the PhD program in geography is sound graduate background for further specialization or for immediate employment. The program has sufficient flexibility to allow for individual needs and interests, allowing students to create a plan of study that fits their personal and professional goals.

In addition to innovative coursework, the state-of-the-art Spatial Analysis Research Center and Urban Climate Research Center offer students the opportunity to work with exceptional faculty on diverse research projects. Students have the opportunity to work alongside some of the brightest minds in geography, including four members of the National Academy of Sciences and rising talent in the fields of climate science, sustainability and environmental science, urban heat island research, GIS and more.

Students in the program have the ability to build a path of knowledge that reflects their personal interests within the realms of geography. Students benefit from a wide variety of coursework and research opportunities in four broad interdisciplinary themes that span the expertise of the faculty within the School of Geographical Sciences and Urban Planning:

- computational spatial science
- earth systems and climate science
- place, identities and culture
- sustainability science and studies

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
GCU 585 Geographic Research Design and Proposal Writing (3)

Electives or Research (43 credit hours)

Methods or Statistics Electives (6 credit hours)

Skills Electives (6 credit hours)

Specialization Electives (9 credit hours)

Other Requirement (5 credit hours)
GCU 529 Contemporary Geographic Thought (3)
GCU 591 or GPH 591 Seminar: Geography Colloquium (1)
GCU 591 or GPH 591 Seminar: Geography Colloquium (1)

Culminating Experience (12 credit hours)
GCU or GPH 799 Dissertation (12)

Additional Curriculum Information
Doctoral students entering with a bachelor's degree must complete 84 credit hours. These hours include 72 credit hours of coursework and research at ASU and 12 dissertation credit hours.

Doctoral students entering with a master's degree must complete 54 credit hours. These include 42 credit hours of combined coursework and research hours at ASU and 12 dissertation credit hours.

Coursework and research hours are selected by the student in consultation with an advisory committee. The program recognizes that other graduate-level courses are offered at ASU. Advanced courses are often taught in omnibus courses, courses that have rotating content and whose content is not reflected in their titles. Students may include these courses in their curriculum with approval of the program directors.

The other requirement course, Seminar: Geography Colloquium, is taken twice, once in each of the first two semesters of the program, for one credit hour each. Other courses may be used with approval of academic unit.

Up to six credit hours of 400-level coursework may be applied toward the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Incoming students must demonstrate or attain competence in cartography and quantitative methods and complete other basic coursework that will enable them to pursue graduate studies in their area of specialization.

The personal statement must address four items:
- What specialty in geography does the applicant wish to pursue, and why?
- What aspects of the applicant's education (a description is needed) will enable the student to pursue this specialty?
- What additional training does the applicant believe can be obtained at Arizona State University to realize the applicant's educational and career goals?
- Applicants should provide any other information they feel should be considered in their application for admission, e.g., research experience or information which might be drawn from the applicant's resume.

Letters of recommendation must be from three faculty members who can attest to the applicant's academic achievements.

**Career Opportunities:** Professionals with expertise in geographical sciences research, theory and practice are in high demand across sectors and industries, including institutions of higher education, consulting firms, government agencies, research facilities and community organizations. Skills in geographical data analysis, mapping and climate science are valuable to businesses and institutions relying on research-based approaches to

solve complex real-world problems.

Career examples include:

- atmospheric, earth, marine or space sciences professor or instructor
- environmental scientist or specialist
- geographic information systems technician
- geophysical data technician
- geoscientist
- geospatial information scientist or technologist

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/graduate/phd-geography--phd
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Geological Sciences, MS (LAGEOSCMS)

**Online Degree Search Title:** Geological Sciences, MS
**Campus:** Tempe

**Program Description:** The MS program in geological sciences is designed to provide fundamental graduate training in geology. Students are encouraged to cross subject boundaries and pursue new understandings of Earth and the solar system.

**Degree Requirements:**
30 credit hours and a thesis.
Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (22 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Culminating Experience (6 credit hours)
SES 599 Thesis (6)

Additional Curriculum Information
Substitutions for courses listed as other requirements may be made per department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants should see the program website for application deadlines.

**Career Opportunities:** Graduates of the program are prepared for further graduate study or for careers in geochemistry, field geology, geomorphology, structure and tectonics, mineralogy and petrology, geophysics, planetary geology, hydrology, volcanology, Earth observation and remote sensing, and related areas, including geoscience education.

Professionals with expertise in geological sciences are in high demand across sectors and industries, including remote sensing, natural resource management, data science, economic geology (oil and mining industries), environmental consulting, hazard and risk assessment, geophysics and planetary science. Coding and numerical modeling skills translate across many domains, even beyond geosciences. Skills in the measurement and analysis of data related to the physics, chemistry and structures of the Earth and of planetary systems are valuable to businesses and institutions relying on data-driven strategies to interact with the planet and explore beyond the Earth.

Career examples include:

- data scientist
- environmental consultant
- GIS or mapping specialist
- materials analyst
- planetary scientist
- research geologist

Some students go onto doctoral programs in the field of geological sciences.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Geological Sciences, PHD (LAGEOSCPHD)

**Online Degree Search Title:** Geological Sciences, PhD
**Campus:** Tempe

**Program Description:** The PhD program in geological sciences is designed to develop creative scholarship in the terrestrial and planetary geosciences. Students are encouraged to cross subject boundaries and pursue new understandings of Earth and the solar system.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (70 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Substitutions for courses listed as other requirements may be made per department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admissions application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Graduates are prepared for academic and professional careers in geological science fields such as geochemistry, field geology, geomorphology, structure and tectonics, mineralogy and petrology, geophysics, planetary geology, hydrology, volcanology, Earth observation and remote sensing, and related areas, including geoscience education.

Professionals with expertise in geological sciences are in high demand across sectors and industries, including remote sensing, natural resource management, data science, environmental consulting, economic geology (oil and mining industries), hazard and risk assessment, geophysics and planetary science. Coding and numerical modeling skills translate across many domains, even beyond geosciences. Skills in the measurement and analysis of data related to the physics, chemistry and structures of earthly and planetary systems are valuable to businesses and institutions that rely on data-driven strategies to interact with the planet and explore beyond the Earth. The doctoral degree in geological sciences is required for careers in post-secondary education and research.

Career examples include:

- data scientist
- environmental consultant
- geologist
- geosciences professor
- instrument builder
- planetary scientist
- program manager
- research scientist

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## German, MA (LAGERMMA)

**Online Degree Search Title:** German, MA
**Campus:** Tempe
This program is not currently accepting applications.
**Program Description:** The MA program in German offers students professional training in German linguistic, literary and cultural studies through courses and supervision of research that culminate in an applied project or thesis.

In consultation with their advisor, students arrange their coursework around one of three focus areas: literature, comparative literature, or language and culture. The program is designed to equip students to become independent and creative professionals as they broaden their knowledge of Germany as one of the world's leading economies, cultural contributors and human rights advocates.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (GER 593).
The plan of study for the master's degree includes a minimum of 30 credit hours of graduate-level work and a thesis or an applied project, as approved by the candidate's supervisory committee. The program must include a 500-level bibliography and research methods course offered by the school. When approved by the candidate's supervisory committee, nine credit hours in another language or in closely related courses may be included in the program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in German from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement

- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Those who lack a degree in a related field but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in German on a topic pertaining to the German language or culture.

**Career Opportunities:** Professionals with the valued skills they developed in this degree program can confidently move into academic, business, diplomatic, government and international fields.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/graduate
DH 318
silc@asu.edu
480-965-6281

## Global Health, MA (LASSHMA)

**Online Degree Search Title:** Global Health, MA
**Campus:** Tempe

**Program Description:** In this MA program, global health is considered to be much more than and very different from international public health. It emphasizes that major health challenges stem from many factors well beyond disease itself --- factors that are cultural, ecological, evolutionary, historical, institutional, social and technological.

Any effective, sustainable solutions to the most pressing global health challenges need to take all of these factors into account, including the complex ways in which they relate to each other. In this manner, this degree program teaches students to understand health as not simply a product of disease but rather emerging in the contexts of complex and interrelated ecology, politics, history, culture, social institutions and evolutionary biology. It also places primacy on how to address the broader bases of ill health (i.e., structural, cultural) in complicated, ever-changing health challenges in low-resource community settings and a globalizing world. To do this, the program combines social and life science theories with on-the-ground research and its application. There is a strong emphasis on collaborative action as key to identifying and addressing global health problems in a sustainable and meaningful way.

Students accepted into the program are tied to ongoing transdisciplinary global health projects that address complicated, multifaceted health challenges that defy easy fixes, such as climate change-related diseases, emerging infectious diseases and obesity.

By applying a collaborative, problem-solving format, the master's degree program in global health is intended to provide those planning to enter health or related fields (i.e., environmental, social) with the transdisciplinary orientation, team skills and social and cultural acuity that the Pew Health Professions Commission inter alia has identified as critical but lacking in current health workforce training. The program also emphasizes experiential learning as a way to gain mastery and requires participation in a global internship program based in one of the international partnering communities.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (SSH 593).
Required Core (3 credit hours)
ASB 510 Health: Social and Biocultural Theories (3)

Open Electives (6 credit hours)

Restricted Electives (6 credit hours)
ASB 580 Practicum (1-6)
ASB 583 Fieldwork (1-6)
ASB 584 Internship (1-6)

Other Requirements (9 credit hours)
ASB 500 Ethnographic Research Methods (3)
ASB 503 Medical Anthropology (3)
SSH 591 Seminar: Principles of Epidemiology for Global Health (3)

Culminating Experience (6 credit hours)
SSH 593 Applied Project (6)

Additional Curriculum Information
For restricted electives, students complete at least six credit hours from the list above.

Substitutes may be permitted by the graduate director for other requirement and restricted elective coursework. Additional methods-focused courses or graduate-level epidemiology courses can count toward these requirements.

Applied projects are completed in consultation with a faculty advisor. Students may use the fieldwork, internship or practicum experience as part of the research for the applied project.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned, from a regionally accredited institution, a bachelor's or master's degree in the social or life sciences (i.e., anthropology, sociology, gender studies, geography, political science, or public health or related fields (i.e., nutrition, human biology).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants may submit with their application materials an optional scholarly writing sample not to exceed 30 double-spaced pages.

Admission is competitive and based on student academic excellence, additional relevant experience, and fit with available faculty. Value is placed on foreign language skills; practical, cross-cultural and international experiences; and prior social science and life science research.

**Career Opportunities:** Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health

services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector entities
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for appropriately skilled professionals to work in cross-cultural settings or with underserved populations such as migrants, minorities and those living in poverty, and many of these jobs are directly or indirectly related to health.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/degrees/graduate/ma-global-health
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Global Health, MS (LASSHMS)

**Online Degree Search Title:** Global Health, MS
**Campus:** Online

**Program Description:** The MS program in global health in the School of Human Evolution and Social Change exposes students to a comprehensive understanding of the factors that lead to morbidity around the world, including ecological, political, cultural, institutional, historical, evolutionary, social and technological factors. This program equips students with the necessary skills to create effective, sustainable and culturally appropriate approaches to prevent, assess and mitigate disease as well as to critically assess the work of others in their professional environments.

The program helps learners to cultivate professional practice through focus on application of technical knowledge into professional settings by integrating recognized global health competencies.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Anthropology, BA
Anthropology, BS
Global Health, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core (6 credit hours)
ASB 504 Global Health Policy (3)
ASM 503 Evolutionary Medicine and Global Health (3)

Restricted Electives (9 credit hours)
ASB 455 Practicum for Social Sciences (3)
ASB 462 Medical Anthropology: Culture and Health (3)
ASB 526 Survey Topics in Global Nutrition (3)
ASB 548 Maternal and Child Health (3)
ASB 598 Topic: Reproductive Ecology (3)

Electives or Research (12 credit hours)

Other Requirement (3 credit hours)
ASB 584 Internship (3)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
For restricted electives, students complete at least nine credit hours from the list above.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- written statement
- three letters of recommendation
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students who have graduated from programs in anthropology, biology, public health, applied mathematics, statistics, or in a related social science degree may be particularly well positioned for this program. Applicants with previous degrees in other fields should address in the written statement how their previous studies have prepared them for this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-global-health-ms/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Articulate strategies to address the social, economic, and environmental determinants of health.
- •Appraise the strength of evidence for shaping policy and programmatic decisions.
- •Apply the standards of professional practice and ethics to their collaboration with partners and stakeholders during their applied global health internship in a domestic or international setting.

**Career Opportunities:** Nationally and internationally, the health field provides varied career opportunities, and demand is growing for graduates with specific skills. The program supports the goals of those pursuing careers in academic research, programming, teaching and policy. Sample employment venues include:

- data analyst
- learning specialist
- program manager
- research associate
- technical advisor

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu

480-965-6215

# Global Health, PHD (LASSHPHD)

**Online Degree Search Title:** Global Health, PhD
**Campus:** Tempe

**Program Description:** The PhD in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. The program leverages the strength of ASU's medical anthropology programming and 15 medical anthropologists, and it has the advantage of accessing a much wider set of skills offered by those in such fields as medical sociology, demography, human geography and epidemiology

Some particular thematic foci of the program are biocultural approaches to human coping, computer-based complexity modeling, culture and health, health in the Americas, and Indigenous and minority health, as well as mathematical epidemiology, nutritional anthropology, social justice and vulnerable populations, social networks, and urban and environmental health.

The program draws some 80 faculty members from throughout the university to consider how cutting-edge social science can be applied to understand and substantively improve the health of populations. The program favors community-based research in communities of all sizes and types, from hunter-gatherer communities to large U.S. cities, and runs collaborative projects in which students are encouraged to gain experience and conduct research.

Students generally enter the program with a master's degree in a relevant field.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
ASB 510 Health: Social and Biocultural Theories (3)

Electives (39 credit hours)

Other Requirements (18 credit hours)
ASB 500 Research Methods (3)
ASB 501 Professionalism (3)
ASM 579 Proposal Writing (3)
SSH 591 Topic: Principles of Epidemiology for Global Health (3)
systematic methods courses (6)

Research (12 credit hours)
ASB 792 Research (12)

Culminating Experience (12 credit hours)
ASB 799 Dissertation (12)

Additional Curriculum Information
For electives, students should see the academic unit for a course list approved by the chair.

Other requirement coursework may be substituted with the approval of the academic unit. At least two systematic methods courses in an area other than epidemiology or biostatistics and ethnography should be selected, such as nutrition, survey, archival analysis, demography or geographic information systems.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is to be made up of electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee

- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Suitable backgrounds for admission include a master's degree in the social sciences (e.g., anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six credit hours of human biology or equivalent at the senior level and also should have some background in statistics or epidemiology.

Applicants may submit with their application materials an optional scholarly writing sample not to exceed 30 double-spaced pages.

**Career Opportunities:** Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The program is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations, such as migrants, minorities and those living in poverty, and many of these jobs are directly or indirectly related to health.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/degrees/graduate/phd-global-health
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Global Security, MA (LAGSCMA)

**Online Degree Search Title:** Global Security, MA
**Campus:** Online

**Program Description:** The MA in global security is an interdisciplinary, fully online program designed to aid professional advancement in government, military, nonprofit and private sector careers. Students are trained to critically engage international security issues in a comprehensive manner.

The Master of Arts program in global security is based on four key pillars: enabling innovative strategic thinking; developing analytic tools; supporting critical interdisciplinary engagement; and encouraging flexible and resilient approaches to the inherently complex challenges of current and future global security.

Students may pursue the master's degree from anywhere in the world, study while working full time or part time, and may advance at their own pace.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Studies, BA
Political Science, BA
Political Science, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (GSC 550).
Required Core (3 credit hours)
GSC 501 War, Conflict and Security (3)

Electives or Research (24 credit hours)

Culminating Experience (3 credit hours)
GSC 550 Capstone (3)

Additional Curriculum Information
For electives, students take eight courses from a restricted list for a total of 24 credit hours. Students should contact the academic unit for the approved course list. Other coursework may be used with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letters of recommendation
- resume or curriculum vitae
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must submit at least one letter of recommendation for admission. Applicants may submit additional letters.

The application requires a two- to three-page personal statement.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-global-security/) for program descriptions and to request more information.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents --- Arizona State University, King's College London and UNSW Sydney --- to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to collaborate with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaboration degree program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/global-learning-network-programmes (https://www.plusalliance.org/global-learning-network-programmes)

**Career Opportunities:** Graduates possess a grounded and relevant understanding of major global trends and critical analytic skills, improving their capacity to succeed in multiple career paths related to domestic and international security.

Career area examples include:

- conflict zone and post-war reconstruction
- consulting
- global security intelligence (public and private sector)
- humanitarian and human rights
- policy analysis
- regional affairs
- risk assessment (public and private sector)
- U.S. military advancement

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/degree/graduate/ma-global-security
COOR 6675
spgs@asu.edu
480-965-8563

## Global Security (Cybersecurity), MA (LAGSCSECMA)

**Online Degree Search Title:** Global Security (Cybersecurity), MA
**Campus:** Online

**Program Description:** The cybersecurity concentration is a unique element within the MA program in global security, engaging cyber issues from an interdisciplinary perspective with a focus on global security.

This nontechnical program provides students with relevant and continually updated understanding of the complex risks, threats and modes of protection and response associated with cybersecurity. This program is more theoretical in nature and uses real-world examples. Students progress at their own pace; it can be completed in one year or in a six-year period. Students may pursue the degree while working full time or part time.

The Master of Arts program in global security with a concentration in cybersecurity prepares students for a rapidly expanding field with a focus on the complex relationship between cybersecurity and global politics. Students learn from top faculty, including global thought leaders, seasoned scholars and skilled practitioners. Classes integrate case studies, policy exercises and critical thinking to prepare students for career advancement.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Studies, BA
Political Science, BA
Political Science, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (GSC 550).
Required Core (3 credit hours)
GSC 501 War, Conflict and Security (3)

Concentration (12 credit hours)
GSC 560 Overview of Cybersecurity (3)
GSC 561 Cybersecurity Threats and Trends (3)
GSC 562 Cybersecurity, Global Politics and Resiliency (3)
GSC 563 Cybersecurity Planning and Strategy (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)
GSC 550 Capstone (3)

Additional Curriculum Information
For electives, students take coursework from a restricted list for a total of 12 credit hours. Students should contact the academic unit for the approved course list. Other coursework may be used with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- curriculum vitae or resume
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must submit at least one letter of recommendation for admission. Applicants may submit additional letters.

The application requires a two- to three-page personal statement.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Career Opportunities:** Graduates possess the grounded and relevant understanding of major global trends and critical analytic skills that improve their capacity to succeed in multiple career paths related to domestic and international security.

Example career areas include:

- conflict zone and post-war reconstruction
- consulting
- global security intelligence (public and private sector)
- humanitarian and human rights
- policy analysis
- regional affairs
- risk assessment (public and private sector)
- U.S. military advancement

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/degree/graduate/ma-global-securitycybersecurity
COOR 6801
spgs@asu.edu
480-965-8563

## Global Security and Competitive Statecraft (Certificate), Certificate (LAGSCSGRCT)

**Online Degree Search Title:** Global Security and Competitive Statecraft (Graduate Certificate)
**Campus:** Online

**Program Description:** The certificate in global security and competitive statecraft is an interdisciplinary program designed to aid professional advancement in government, military, nonprofit and private sector careers. Students are trained to critically engage contemporary international security issues in a comprehensive manner.

The program is based on four key pillars: enabling innovative strategic thinking, developing analytic tools, supporting critical interdisciplinary engagement, and encouraging flexible and resilient approaches to the inherently complex challenges of current and future global security.

Program faculty have extensive experience as practitioners in the field of security and foreign policy. They bring their deep understanding of the issues to rigorous and interesting coursework that allows students to develop a sophisticated understanding of the complex global, political environment in which political actors compete.

Students may pursue the certificate from anywhere in the world, study while working full-time or part-time, and they may advance at their own pace.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
GSC 512 Global Trends (3)

Restricted Electives (12 credit hours)
GSC 503 Future of War (3)
GSC 509 Emerging Technologies and Global Security (3)
GSC 561 Cybersecurity Threats and Trends (3)
GSC 598 Special Topics (3)
IAL 504 U.S. Diplomacy in Action: The Embassy Country Team (3)
IAL 505 Key Issues in Today's Global Economy (3)

Additional Curriculum Information
For restricted electives, students take four courses from the restricted list for a total of 12 credit hours. Students should contact the academic unit for eligible GSC 598 topics. Other GSC and IAL courses may be used with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- one letter of recommendation
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must submit at least one letter of recommendation for admission. Applicants may submit additional letters.

The application requires a one- to three-page personal statement.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-global-security-certificate/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Critically inquire about and analyze current and future issues surrounding war, conflict, and political violence.
- •Strategically formulate and defend positions that acknowledge the complexity and diversity of security challenges, while deploying interdisciplinary ideas to enable focused and rigorous analysis.

**Career Opportunities:** Graduates have achieved timely and authoritative practitioner insights into the complexity of the contemporary global security environment. They also have developed critical analytic skills, improving their capacity to succeed in multiple career paths related to domestic and international security.

Career area examples include:

- global security strategist (public and private sector)
- intelligence and risk assessment analyst (public and private sector)

- policy analyst
- security consultant
- U.S. military advancement

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/
COOR 6797
spgs@asu.edu
480-965-8563

## History, MA (LAHISTMA)

**Online Degree Search Title:** History, MA
**Campus:** Tempe, Online

**Program Description:** ASU's MA program in history combines classes taught by ASU's distinguished faculty in an online or in-person environment with an emphasis on the development of analytical and communication skills. It offers dynamic content that deepens students' knowledge of history while developing their core competences that are applicable in a variety of settings. Students graduate from the program with an enhanced ability in finding and analyzing information, planning and organizing projects, and writing and speaking effectively.

The Master of Arts program in history offers studies in North American, European, public and global comparative history, and it provides students with opportunities for professional development through colloquia, internship experiences and conference attendance.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

History, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (HST 593), or 30 credit hours including the required capstone course (HST 597).
Required Core (9 credit hours)
HST 640 Historical Methods (3)

Pick two from the following:
HST 502 Public History Methodology (3)
HST 641 North American History (3)
HST 643 Global History (3)
HST 644 Area Studies in History (3)

Electives (12 credit hours)

Other Requirements (3 or 6 credit hours)
HST 591 Seminar (3) or (6)

Culminating Experience (3 or 6 credit hours)
HST 593 Applied Project (3) or
HST 597 Capstone (3) or
HST 599 Thesis (6)

Additional Curriculum Information
There are two options for the master's degree program in history, the thesis option (for in-person students only) and the nonthesis option. The thesis option requires 30 total credit hours of coursework, including six credit hours of HST 599 Thesis, three credit hours of HST 591 Seminar and 21 credit hours of coursework. The nonthesis option requires 30 total credit hours, including three credit hours of HST 593 Applied Project or HST 597 Capstone, six credit hours of HST 591 Seminar and an additional 21 credit hours of coursework.

For elective coursework, students should refer to the unit for a list of approved courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program. The most competitive applicants have a GPA of 3.30 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The history program requires a TOEFL iBT score of at least 90.

Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in history.

The statement of purpose, about 500 words in length, should be addressed to the history admission committee and should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, and why the applicant wants to pursue graduate study at ASU. It is not necessary to specify a research topic but if an applicant has one in mind they should include it in the statement of purpose.

The writing sample may be an article (it may be published or unpublished), a research paper or any other extended sample of expository writing no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-history/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will gain proficiency in historical methods and demonstrate nuanced understanding of different historical lenses and interpretive frameworks.
- Students will be able to conduct and defend original historical research.
- Students will demonstrate successful attainment of program goals in research and historiography.

**Career Opportunities:** Graduates will have acquired advanced historical thinking skills as well as other skills employers consistently identify as highly valuable, including effective oral and written communication, critical thinking and problem-solving.

Graduates possess the fundamental training needed for careers in research, teaching, public history, government service and a host of other positions in the public, private and nonprofit sectors. They serve as first-rate historians, highly qualified teachers at the elementary and secondary levels and community colleges, researchers and consultants, archivists, foreign service officers, management professionals, community organizers and public servants.

Other career examples include:

- business executive
- college instructor
- diplomat
- editorial and publishing professional
- museum director and staff
- nonprofit director
- research professional

- teacher

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/degree/graduate/ma-history-ma
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778

## History, PHD (LAHISTPHD)

**Online Degree Search Title:** History, PhD
**Campus:** Tempe

**Program Description:** The PhD program in history offers outstanding opportunities for graduate study in North American, European, public and global-comparative history.

The School of Historical, Philosophical and Religious Studies' world-class faculty members deliver courses and individualized mentoring in a wide range of historical topics, such as urban history, environment and sustainability studies, politics and policy, immigration, gender, race and ethnicity, and comparative history. In addition, doctoral history students are strongly encouraged to take advantage of the numerous collaborative opportunities that exist throughout the university in ASU's many innovative schools and centers.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (16 credit hours)
HST 502 Public History Methodology (3)
HST 640 Historical Methods (3)
HST 641 North American History (3)
HST 643 Global History (3)
HST 644 Area Studies in History (3)
HST 682 Advanced Research Skill (1)

Electives and Research (44 credit hours)

Other Requirement (12 credit hours)
HST 591 Seminar (6)
HST 792 Research (6)

Culminating Experience (12 credit hours)
HST 799 Dissertation (12)

Additional Curriculum Information
In general, all credit hours must be at the 500 level or above. Graduate credit may be awarded for 400-level courses; it must be approved in advance and documented in the student's file.

The doctoral program requires a minimum of 84 credit hours and may be completed in four to five years. Students with a master's degree may apply 30 credit hours toward the 84 required credit hours with approval of the academic unit and the Graduate College. If the student does not already have a master's degree in a related field, then the remaining 30 credit hours are made up of electives and research to reach the 84 credit hours required for the doctoral program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program. The most competitive applicants have a GPA of 3.30 or higher.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae

- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The history program requires a TOEFL iBT score of at least 90. A student whose native language is not English also must submit a copy of an article or research paper in the student's native or principal research language in addition to the English writing sample required of all students.

Students are required to submit a minimum of three email addresses of faculty or others qualified to speak to the student's suitability for graduate study in history. Letters of reference should be submitted by the recommenders in addition to the electronic reference form they are asked to complete.

The statement of purpose is to be addressed to the history admission committee and should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, the proposed research specialization, and why the applicant wants to pursue graduate study at ASU; it should be about 500 words in length.

The writing sample, either published or unpublished, may be an article, a research paper, or any other extended sample of expository skill, and it must be no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrate mastery of three domains of historical knowledge as well as display expertise in their proposed topic of study
- •Accomplish meaningful contributions to the profession through accepted publications and presentations
- •Identify and complete applications for funding opportunities that can support their research

**Career Opportunities:** Graduates possess the foundational skills in research, writing, and communication and fundamental training needed for careers in research, archival work, higher education, teaching, public history, government service, and a host of other areas in the public, private and nonprofit sectors.

They serve as first-rate historians, highly qualified instructors at two-year schools and universities, researchers and consultants for business and government, archivists, foreign service officers, management professionals, community organizers and public servants. Other career examples include:

- archivist
- diplomat
- editorial and publishing professional
- K-12 school teacher
- museum director and staff
- nonprofit director
- university professor

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/degree/graduate/phd-history--phd
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778

## History and Philosophy of Science, PHD (LAHPSCIPHD)

**Online Degree Search Title:** History and Philosophy of Science, PhD
**Campus:** Tempe

**Program Description:** The history and philosophy of science is an interdisciplinary field that traces its origin to foundational works such as Thomas Kuhn's "Structure of Scientific Revolutions." The field is based on the idea that the best way to understand science is to study how it changes over time, along with careful analysis of its concepts and fundamental principles.

The PhD program in history and philosophy of science combines training in the core areas of history and philosophy of science with an emphasis on interdisciplinary studies of the sciences, including:

- computational history and philosophy of science
- foundations of evolutionary theory
- general philosophy of science and epistemology
- history and philosophy of applied ethics and science policy
- history of 19th and 20th century biology

The program is especially appropriate for students with an undergraduate or master's degree in philosophy, history, or the sciences and for those who seek to broaden their disciplinary studies. Science students who have not taken relevant undergraduate humanistic core courses can make up these courses during their first years in the program.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
HPS 615 Biology and Society Lab (3)
HPS 620 Research Prospectus Writing (3)

Restricted Program Electives (30 credit hours)

Program Electives (24 credit hours)

Research (12 credit hours)
HPS 792 Research (12)

Dissertation (12 credit hours)
HPS 799 Dissertation (12)

Additional Curriculum Information
An individual student program is developed in consultation with the student's advisor and committee.

HPS 615 Biology and Society Lab is a one credit hour course focused on student presentations of works-in-progress. Students must register for it three times during their graduate study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution of recognized standing in a related field such as history, philosophy, or history and philosophy of science as well as a demonstrated background and interest in one or more sciences.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** A doctorate in history and philosophy of science provides strong preparation for academic careers at every level from community colleges to research universities, including research, teaching and administration, and science communication. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies responsible for management and conservation, and for careers in industry and nongovernmental organizations.

Career examples include:

- food, agriculture and health care scientists in academic, private and industrial labs
- principal investigators and policymakers in government labs and nonprofit organizations
- professors or instructors in universities and colleges

- science teachers in elementary and high schools
- wildlife, animal and conservation scientists

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/phd-history-philosophy-science
LSA 181
sols.grad@asu.edu
480-965-1768

## Immigration Studies (certificate), Certificate (LAIMMSTUCE)

**Online Degree Search Title:** Immigration Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate program in immigration studies provides students with a holistic understanding of the historical, current and long-term causes and consequences of international migration as well as relevant professional and research training opportunities.

The objective of the certificate program is to offer traditional academic training through coursework, research and the practical experience of working with local immigrant and refugee communities.

**Degree Requirements:**
15 credit hours.
All students are required to take one core course, three approved elective courses on immigration, and three credit hours of a culminating experience (either an internship or a research project). Students are to contact the school for a list of approved courses.

Students may do an internship with Phoenix-based, nongovernmental organizations or government agencies that provide services to immigrants and refugees. Such internships give students professional training and actual experience working with immigrant and refugee communities. Students are required to write a report describing the organization and their experience as interns.

Students may enroll in three credit hours of research with a faculty member in order to do an independent research project. They must write a substantial research paper based on field research in a local immigrant community, on library and archival research or on readings on an immigration topic.

Certificate students may choose to specialize in humanities, Mexican and Latino immigrants in the U.S., or social sciences.

Given the nature of the immigration courses offered at ASU and the preponderance of Latino immigrant communities in the Phoenix area, the program emphasizes Latino immigration. However, students have the opportunity to take broader courses focusing on global migration and other immigrant groups as well as work with local Asian or Southeast Asian immigrants and refugee communities.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count toward their master's degree, with the approval and consent of the degree-granting program.

All requirements for the certificate program should be completed within a three year time limit with a minimum cumulative GPA of 3.00 (scale is 4.00 = "A"). Students who require more time to finish the program, because of their part-time status or lack of desirable or available courses, must obtain approval from the executive committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants may submit an optional scholarly writing sample with their application materials; the sample is not to exceed 30 double-spaced pages.

**Career Opportunities:** The demand in the job market is high for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data on human thought and human behavior.

Graduates are prepared for future study in graduate and professional schools or for careers as immigration practitioners and advocates in local and federal government agencies and private and public institutions serving immigrant and refugee communities.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- directing nonprofit organizations
- directing programs in the private or public sector

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Indigenous Education, MA (LAIEDMA)

**Online Degree Search Title:** Indigenous Education, MA
**Campus:** Online

**Program Description:** The online MA program in Indigenous education provides students with advanced training in research, theory and practice related to Indigenous education, broadly defined, as well as the process of schooling. The main audiences for this degree are those working in Indian education, those working for tribal nations with education programs, and those interested in Indigenous education.

Because the Center for Indian Education is housed in the School of Social Transformation with a faculty that collaborates with colleagues internationally, nationally and across ASU campuses, students have access to a wealth of additional resources at the master's degree level, which allow them to develop a final project that best fits their specific professional aspirations.

**Degree Requirements:**
30 credit hours including the required capstone course (IED 585).
Required Core (9 credit hours)
IED 501 Critical Indigenous Research Methodologies (3)
IED 502 Indigenous Knowledges in Education (3)
IED 503 Current Issues in Indigenous Education (3)

Other Required Courses (15 credit hours)
IED 510 History of Indigenous Education (3)
IED 530 Language/Literacy-Indig People (3)
IED 535 Community-Based Participatory Action Research (3)
SST 520 Learning Technologies in Native Education (3)
SST 530 Culture and Education (3)

Research (3 credit hours)
IED 592 Research (3)

Culminating Experience (3 credit hours)
IED 585 Capstone (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as history, education, anthropology, sociology, ethnic studies, justice studies or political science, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- example of writing
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

A selection committee, comprised of faculty members, selects candidates based on application materials and the applicant's ability to succeed.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/indigenous-education-ma/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Appraise and compose the parellels of historical Indigenous education and current schooling for American Indian students; using an evidence based approach to support their case.
- •Articulate the contradictions and complexities between Western schooling and Indigenous educational processes for Native nations.
- •Analyze research methods and methodologies through an Indigenous framework and compose their own research methodologies.
- •Design and articulate Indigenous knowledge system(s), as it relates to education and schooling in Indian country

**Career Opportunities:** Graduates of the master's program can pursue careers in education, government or nonprofit organizations. Graduates can also work as researchers or policy analysts at educational policy centers, K-12 schools and universities, and within community-based organizations.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 345
sstgraduate@asu.edu
480-965-7682

## Infant Family Practice, MAS (LACDEMAS)

**Online Degree Search Title:** Infant - Family Practice, MAS
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** This self-contained, accelerated MAS program in infant-family practice provides high-quality coursework and supervised internship experiences designed to train professionals to work in prevention and intervention programs serving families with infants, toddlers and preschool-age children.

Coursework prepares students for professional endorsement of the Infant-Toddler Mental Health Coalition of Arizona's endorsement for culturally sensitive, relationship-based practice promoting infant mental health.

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core (12 credit hours)

Practicum (9 credit hours)

Other Requirements (6 credit hours)

Research (3 credit hours)

Additional Curriculum Information
The Master of Applied Science in infant-family practice requires successful completion of a minimum of 30 credit hours and an applied project, including required coursework and an internship in a community placement approved by the faculty of the master's degree program in infant-family practice. Internships are expected to last approximately 12 months.

Students must meet the expectations of the agency supervising their internship.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field such as counseling, psychology, and family and human development.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals familiar with the applicant's academic background.

GRE scores are not required for this program.

**Career Opportunities:** There are many career paths available to graduates with this degree. A few examples are:

- child abuse prevention
- child welfare
- early childhood education and child care administration
- early intervention
- family support
- home visiting
- infant and early childhood mental health

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
SS 144
graduatesanford@asu.edu
480-965-6978

## International Affairs and Leadership, MA (LAIALMA)

**Online Degree Search Title:** International Affairs and Leadership, MA
**Campus:** Online

**Program Description:** The MA program in international affairs and leadership prepares students for international leadership roles in a dynamic learning environment led by senior international affairs professionals from the public and private sectors.

The program offers a unique blend of leadership capacity development --- both theory and practice --- as well as substantive training focused on U.S. foreign policy decision-making, national security, international trade, human rights issues and other key global issues. Courses are taught by experts with real-world experience, from former U.S. ambassadors to three-star generals, with the goal of readying students to become leaders in the international affairs realm. Students have regular interactions with world-class professors and practitioners who help students learn how to

shape the world in a meaningful and positive way.

The program is a collaboration between the School of Politics and Global Studies and the Leadership, Diplomacy and National Security Lab. The School of Politics and Global Studies is host to the Center on the Future of War, the Center for Latina/os and American Politics Research, and the SPGS Experimental Laboratory.

**Degree Requirements:**
30 credit hours including the required capstone course (IAL 560).
Required Core (9 credit hours)
IAL 501 Principles of Character-Driven Leadership (3)
IAL 502 The Making of U.S. National Security Policy (3)
IAL 503 Applied International Leadership: Case Studies (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)
IAL 560 Capstone (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- professional resume
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

GRE or GMAT results are not required but can be submitted as an additional application material.

Applicants should have a deep-rooted interest in international issues of the future and a desire to influence them through character-driven leadership within the context of an increasingly complicated, globalized world. Ideal candidates are those who have previous leadership experience and who plan to devote their careers to working with other cultures and nations across a variety of sectors. While an ideal candidate has previous experience traveling or living overseas or has previously studied a language other than English, candidates with no prior experience in these areas are also welcome to apply. Both international and domestic students are encouraged to apply.

Using the letter of intent, applicants should narrate their own leadership journeys as well as their motivations for further studies in the areas of international affairs and leadership. The letter of intent should describe applicants' academic and professional interests to date, their reasons for pursuing a master's degree in international affairs and leadership, and how this advanced degree relates to their specific future goals.

The application review panel also reviews the applicant's writing skills. The writing sample could be an original essay or previously written research paper, essay, policy memo, or other document that demonstrates the applicant's writing and analytical skills.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/international-affairs-master-degree/) for program descriptions and to request more information.

**Career Opportunities:** Graduates are prepared to succeed in a wide variety of international affairs professions, including:

- business operations specialist
- career civil servant or contractor at the U.S. State Department, U.S. Department of Commerce or U.S. Treasury or Defense Department
- foreign service officer
- international political economist

- military officer or noncommissioned officer in strategic, special or tactical operations
- nonprofit or NGO analyst or program coordinator
- permanent staff for a member of Congress or Congressional committee
- public policy analyst
- U.S. government intelligence community policy analyst or program manager

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/degree/graduate/ma-intl-affairs--leadership
COOR 6801
spgs@asu.edu
480-965-8563

## Justice Studies, MS (LAJUSSTMS)

**Online Degree Search Title:** Justice Studies, MS
**Campus:** Tempe

**Program Description:** The MS in justice studies program is an innovative, interdisciplinary program that prepares students to work, research and advocate on behalf of social justice. Students study a wide range of topics at the local, national and international levels, gaining the training needed for analyzing social, economic, cultural, political and legal inequalities and promoting pathways to more just societies.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Justice Studies, BS
Justice Studies, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (JUS 593).
Required Core (12 credit hours)
JUS 500 Research Methods (3)
JUS 501 Justice Theory (3)
JUS 509 Statistical Problems in Justice Research (3)
JUS 521 Qualitative Data Analysis and Evaluation (3)

Electives (12 credit hours)

Research (0 or 3 credit hours)
JUS 592 Research (3)

Culminating Experience (3 or 6 credit hours)
JUS 593 Applied Project (3) or
JUS 599 Thesis (6)

Additional Curriculum Information
Each student's program is developed in concert with the advisory committee. The required foundation courses provide students with a fundamental understanding of the theories, methods and analytic techniques associated with the study of justice.

To satisfy the thesis requirement for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's advisory committee. Students in this option are not required to take JUS 592 Research.

Students who elect to complete the applied project option will have to enroll in three credit hours of JUS 592 Research prior to enrolling in JUS 593 Applied Project. Candidates pursuing the applied project option must present their applied project and defend it in an oral examination conducted by the faculty member who supervises the project and the graduate programs director or designated representative. The applied project typically includes a brief literature review to identify the nature of the issue or problem and a description of the methodology used and, if relevant, of the program studied, followed by an analysis.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Information regarding acceptable proof of English proficiency can be found via the Graduate Admission Services webpage (https://admission.asu.edu/international/graduate/english-proficiency).

Applicants should visit the School of Social Transformation's Master of Science in justice studies webpage for further details on the listed application requirements and application deadlines.

Mailing addresses and further admission information are available on the ASU Graduate Admission Services website.

Application requirements vary for the accelerated justice studies program. Undergraduate students majoring in justice studies who are interested and eligible for this accelerated graduate program should contact the academic unit, to schedule an appointment with a graduate advisor prior to submitting an application. Further details about the accelerated justice studies program can be found on the School of Social Transformation webpage.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Graduates of the MS program in justice studies will demonstrate the ability to interpret and conduct quantitative research.
- •Graduates of the MS program in justice studies will be able to interpret and conduct qualitative research.
- •Graduates of the MS program in justice studies will demonstrate knowledge of various theoretical perspectives of justice in both their written and oral work.
- •Graduates will be able to demonstrate intersectional knowledge of justice and use an interdisciplinary and multidisciplinary approach to address societal problems and generate solutions in their projects.

**Career Opportunities:** Graduates of the justice studies program are prepared to work in justice-related organizations, teach in community colleges, pursue doctoral programs and research in the justice field.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTgraduate@asu.edu
480-965-7682

## Justice Studies, PHD (LAJUSSTPHD)

**Online Degree Search Title:** Justice Studies, PhD
**Campus:** Tempe

**Program Description:** The PhD in justice studies at the nation's first School of Social Transformation invites all qualified applicants.

The diverse community of scholars unites students and faculty across academic boundaries to strategically create social change that is democratic, inclusive and just. The interdisciplinary doctoral program in justice studies prepares future scholars and change agents to address complex social problems and become tomorrow's leaders.

**Concurrent Program Options:**

Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: Juris Doctor, JD

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
JUS 620 Justice Research Methodology (3)
JUS 640 Theoretical Perspectives on Justice (3)

Other Requirement (3 credit hours)
JUS 630 Data Analysis for Justice Research (3) or
JUS 650 Advanced Qualitative Data Analysis (3) or
SST 691 Topic: Qualitative Methods for Qualitative Researchers (3)

Electives and Research (63 credit hours)

Culminating Experience (12 credit hours)
JUS 799 Dissertation (12)

Additional Curriculum Information
For the other requirement course, students may take JUS 630, JUS 650, SST 691 or other methods course at ASU approved by the justice studies graduate director.

Students entering the doctoral program with a master's or JD degree may complete a minimum of 54 credit hours for the program. In addition to the requirements listed above, coursework will include 15 credit hours of elective classroom hours (nine of which must have a JUS prefix) and 18 credit hours comprised of any combination of additional elective courses, reading and conference or research.

Students entering the doctoral program without a master's or Juris Doctor degree are required to complete 84 credit hours. In addition to the requirements listed above, the coursework will include 12 credit hours of 500-level foundation courses, 24 credit hours of elective classroom hours (15 of which must have a JUS prefix) and 27 credit hours comprised of any combination of additional electives courses, reading and conference or research.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation (academic references are preferred)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

The personal statement should be one-and-a-half to two pages, double-spaced, and it should outline the applicant's areas of interest, educational and career goals. The writing sample should be 10 to 15 pages and should discuss the research that best represents the applicant's academic thinking and writing skills.

The PhD/JD option allows qualified students to earn a Juris Doctor from ASU's Sandra Day O'Connor College of Law while simultaneously earning a transdisciplinary doctoral degree in justice studies. Students must apply separately to both programs. Applicants should contact the Sandra Day O'Connor College of Law for their requirements.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Graduates of the PhD program in justice studies will demonstrate knowledge of both qualitative and quantitative research methodologies.

•Graduates of the doctoral program in justice studies will demonstrate the ability to differentiate various theoretical perspectives of justice in their written work.

•Graduates will be able to demonstrate intersectional knowledge of justice and use an interdisciplinary and multidisciplinary approach to address societal problems and generate solutions in their dissertations.

**Career Opportunities:** Graduates of the doctoral program in justice studies are prepared to work in justice-related organizations, teach in community colleges and universities, and research in the justice field.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTgraduate@asu.edu
480-965-7682

## Language Teaching, MA (LALANTCHMA)

**Online Degree Search Title:** Language Teaching, MA
**Campus:** Tempe

**Program Description:** The MA program in language teaching prepares both current and aspiring language teachers with the tools they need to effectively teach languages in the secondary schools and in higher education. This program provides professional development to practicing language teachers in K-12, community colleges and at the university level.

Teachers in Arizona who are interested in continuing their professional development in both language pedagogy and language proficiency can pursue this degree. Teachers receive training in teaching methodologies, second language acquisition, heritage language pedagogy, computer-assisted language teaching, applied linguistics, and the teaching of literature and culture. This program may also interest other individuals who wish to become highly proficient bilinguals.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

French, BA
German, BA
Spanish, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (SLC 593).
Required Core (3 credit hours)
SLC 596 Second Language Methodologies (3)

Track (9 credit hours)

Other Requirements (12 credit hours)

Electives (3 credit hours)

Culminating Experience (3 credit hours)
SLC 593 Applied Project (3)

Additional Curriculum Information
Tracks available for students to select from are French, German or Spanish. Students should see their academic unit for approved track coursework. Students select coursework in consultation with their committee chair.

Other requirement coursework may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a foreign language, applied linguistics, linguistics, literature, education or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- two letters of recommendation
- proof of target language proficiency
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should be no more than two pages, single-spaced, and should discuss how the educational background and experiences have prepared the applicant for this graduate program. The applicant should also describe why they are interested in pursuing this master's degree and how it fits their career goals.

Proof of target language proficiency is accepted by an audio or video submission of a two-minute self-introduction.

**Career Opportunities:** Professionals with this degree can confidently move into academic and business fields. Language skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as business, government and public administration careers.

Career examples include:

- adult basic and secondary education and literacy teachers and instructors
- foreign language and literature teachers and professors
- high school teachers
- instructional coordinators
- instructional designers and technologists
- interpreters and translators
- middle school teachers
- reporters and correspondents

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/ma-language-teaching
DH 318
silc@asu.edu
480-965-6281

## Linguistics (certificate), Certificate (LALINGUICE)

**Online Degree Search Title:** Linguistics (Graduate Certificate)
**Campus:** Tempe

**Program Description:** This interdisciplinary graduate certificate program in linguistics trains students to understand the ways that languages are structured, how they are acquired, and how they vary over time, space, modality and context.

The skills students acquire through the completion of the core courses for this certificate include analytical abilities, critical thinking, effective communication and problem-solving. In addition, the expertise students develop through the study of discourse analysis and pragmatics prepares them to be critical consumers and better communicators of both spoken and written language.

**Degree Requirements:**
18 credit hours.
Required Core Areas (9 credit hours)
discourse analysis and pragmatics (3)

phonology (3)
syntax (3)

Electives (9 credit hours)

Additional Curriculum Information
The electives may be chosen from fields such as applied linguistics, educational linguistics, natural language processing, second language acquisition and sociolinguistics. The electives are determined by the student in consultation with a faculty advisor.

Prerequisite: Students must have completed an introductory course in linguistics taken at the upper-division or graduate level. They should consult the certificate program director for advice.

All certificate coursework must be completed with an average grade of "B" or higher (3.00 on a 4.00 scale).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students should visit the Department of English website for specific details about English proficiency requirements.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The one- to two-page, well-considered statement of purpose should detail the applicant's background and reasons for wanting to do the linguistics certificate.

To be considered for admission, an applicant must have taken an introductory course in linguistics at the upper-division or graduate level. Applicants must also show proof of a formal knowledge of a foreign language, equivalent to two years of study at the university level or plans to fulfill the language requirement concurrently with certificate courses. The language requirement may be met by completion of courses through the second-year level (four semesters) at ASU or elsewhere, or by completion of an upper-division language course with an average of "B" or better (scale is 4.00= "A") for all such coursework (200 or 300 level), or through an examination that indicates placement above the 200 level. Language placement tests (https://silc.asu.edu/student-life/academic-advising/language-testing) are available online on the School of International Letters and Cultures website. If this requirement is not already fulfilled at the time of application, candidates must demonstrate completion of this requirement at the end of their certificate coursework in order for their certificate to be granted.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Graduates of the graduate certificate program in linguistics will be able to solve language-related problems.
- •Graduates of the graduate certificate program in linguistics will be able to explain major subfields of linguistics.
- •Graduates of this program will be able to apply logical argumentation to critique key concepts in linguistics, thereby demonstrating their knowledge of theories.

**Career Opportunities:** A graduate certificate in linguistics can serve as an important stepping stone for individuals interested in gaining a better understanding of linguistics, perhaps as a way to get an edge in their careers or to explore the field before applying to a master's or doctoral degree program.

The linguistics certificate offers an important dimension to various careers including:

- computer programmer

- data analyst
- foreign service worker
- language consultant or language documentation expert
- language program director or coordinator
- language teacher
- lexicographer
- materials designer and developer
- program and curriculum developer
- teacher trainer
- writer or editor

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/node/239
RBHL 125
enggrad@asu.edu
480-965-3194

## Linguistics and Applied Linguistics, MA (LALINMA)

**Online Degree Search Title:** Linguistics and Applied Linguistics, MA
**Campus:** Tempe

**Program Description:** The MA program in linguistics and applied linguistics focuses on the scientific study of human language and the application of that study to the human condition.

At the master's degree level, the program provides foundational training and professional development in several interdisciplinary subfields, including discourse analysis, Indigenous American linguistics, language contact and change, language revitalization, language planning, phonetics, phonology, pragmatics, second language acquisition, second-language learning and teaching, semantics, sociolinguistics, syntax, Teaching English to Speakers of Other Languages, World Englishes, and computer-assisted language learning.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English (Linguistics), BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including a foreign language exam and a thesis, or 30 credit hours including a foreign language exam and the required applied project course (LIN 593 or APL 593).
Required Core (3 credit hours)
LIN 515 American English (3) or
LIN 516 Pragmatics and Discourse Analysis (3)

General Linguistics Track (6 credit hours)
LIN 511 Phonetics and Phonology (3)
LIN 514 Syntax (3)

Applied Linguistics Track (6 credit hours)
LIN 511 Phonetics and Phonology (3) or LIN 514 Syntax (3)
LIN 520 Second-Language Acquisition Theories (3) or APL 601 Introduction to Applied Linguistics (3)

Electives (12 or 15 credit hours)

Research (3 credit hours)
LIN 501 Approaches to Research (3)

Culminating Experience (3 or 6 credit hours)
LIN 593 or APL 593 Applied Project (3)
LIN 599 or APL 599 Thesis (6)

Additional Curriculum Information
Students choose one of the two tracks in either general linguistics or applied linguistics.

Electives are restricted based on the student's chosen track. For the general linguistics track, one of the electives must be a 600-level course from the approved course list.

Students who select the thesis option take 12 credit hours of electives. Applied project students select 15 credit hours of electives.

Students must demonstrate evidence of a competent knowledge of a natural language other than modern English, to be selected by the student, subject to the approval of the chair of the thesis committee or the director of the applied project. This requirement may be met by:

- earning a "B" or better (3.00 on a 4.00 scale) in a 400- or 500-level course in an appropriate (approved) language course
- demonstrating comparable proficiency by taking a language examination, administered by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- demonstrating native-speaker proficiency, as determined by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- earning a "B" or better (3.00 on a 4.00 scale) in both ENG 530 Old English and ENG 531 Old English Literature or their equivalent
- holding a bachelor's degree in an approved foreign language
- two years (four semesters) of successfully completed college-level coursework (completed no more than six years prior to admission to the degree program) at least at the 100 and 200 levels with a "C" or better (scale is 4.00 = "A") for languages which the School of International Letters and Cultures does not offer or does not offer above the 200 level

Any course in which all class meetings are conducted in the approved language satisfies the requirement for a "B" or better in a 400- or 500-level course in an appropriate language; courses conducted in English do not satisfy the requirement. Also satisfying the requirement are GER 550 German for Reading Knowledge, FRE 550 French for Reading Knowledge, SPA 550 Spanish for Reading Knowledge, and ITA 550 Italian for Reading Knowledge. The Department of English does not require its graduate students to write papers in the approved language.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in such related fields as anthropology, applied linguistics, communication, cognitive science, comparative languages and literatures, literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religious studies, rhetoric, composition, sociology, or speech and hearing science from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students should see the Department of English website for specific details about English proficiency requirements.

Successful completion of at least one upper-division course in linguistics, language study or a related topic is required.

The one-page, single-spaced statement of purpose should explain the applicant's background in language study, reasons for wanting to do graduate work in linguistics and plans for the future.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrate the ability to explain, synthesize, and critique existing scholarship in their research area.
- •Design and carry out an original research study in their discipline and subdisciplines.
- •Demonstrate the ability to produce written scholarly work at a level expected by the profession and consistent with the degree program.

**Career Opportunities:** Graduates with research expertise in linguistics and applied linguistics work in a variety of professional contexts around the

globe, including academia, government, business, health care, legal settings, the private sector, nongovernmental organizations, advertising, marketing, publishing and teaching. Many graduates also go on to pursue doctorates in linguistics, applied linguistics, and many other fields and disciplines such as education, speech and hearing sciences, law, information technology, computer science, communication and anthropology.

Career examples include:

- accent coach
- data analyst
- computer programmer
- foreign service worker
- language consultant or language documentation expert
- language program director or coordinator
- language teacher
- lexicographer
- materials designer and developer
- program and curriculum developer
- teacher trainer
- writer or editor
- translator or interpreter

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission/master-arts-linguistics-and-applied-linguistics
RBHL 170
enggrad@asu.edu
480-727-3135

## Linguistics and Applied Linguistics, PHD (LALINPHD)

**Online Degree Search Title:** Linguistics and Applied Linguistics, PhD
**Campus:** Tempe

**Program Description:** The PhD program in linguistics and applied linguistics focuses on the scientific study of human language and the application of that study to the human condition.

Students in this program select a research specialization in formal linguistics, applied linguistics or some combination within these fields of study.

The curriculum provides professional training in linguistics and applied linguistics with focused research in several linguistic subfields, including discourse analysis, Indigenous American linguistics, language contact and change, language planning, language revitalization, critical studies, phonetics, phonology, pragmatics, second language acquisition, second language teaching and learning, semantics, sociolinguistics, syntax, teaching English to speakers of other languages, World Englishes, and computer-assisted language learning.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a foreign language exam, a prospectus and a dissertation.
Required Core (18 credit hours)
APL 555 Disciplinary Discourses (3)
APL 601 Introduction to Applied Linguistics (3)
LIN 511 Phonetics and Phonology (3)
LIN 514 Syntax (3)
LIN 515 American English (3) or LIN 516 Pragmatics and Discourse Analysis (3)
LIN 655 Advanced Disciplinary Discourses in Linguistics and Applied Linguistics (3)

Electives and Research (33 credit hours)
LIN 501 Approaches to Research (3)

Specialization (21 credit hours)

Culminating Experience (12 credit hours)
LIN 799 or APL 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, then 30 credit hours is made up of additional electives and research coursework which must include LIN 510, if they have not previously taken it or its equivalent.

Students must demonstrate evidence of a competent knowledge of a natural language other than modern English, to be selected by the student and subject to the approval of the chair of the dissertation committee. The language requirement must be completed before the student is eligible to take the doctoral examinations. This requirement may be met by any of the following:

- earning a "B" or higher (3.00 on a 4.00 scale) in a 400- or 500-level course in an appropriate (approved) language
- demonstrating comparable proficiency by taking a language examination, administered by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- demonstrating native-speaker proficiency, as determined by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- earning a "B" or higher (3.00 on a 4.00 scale) in both ENG 530 Old English and ENG 531 Old English Literature or the equivalent of each
- holding a bachelor's degree in an approved foreign language
- having fulfilled a foreign language requirement toward a previously awarded master's degree that was completed within five years of the semester for which the student was admitted to the doctoral program
- two years (four semesters) of successfully completed college level coursework (no more than six years prior to admission to the degree program) at least at the 100 and 200 levels with a "C" or better, for languages which the School of International Letters and Cultures does not offer or does not offer above the 200 level

The foreign language requirement must be in a language approved by the student's doctoral supervisory committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their their current residency. Students should see the Department of English website for specific details about English proficiency requirements.

Undergraduate degrees in such related fields as anthropology, applied linguistics, communication, cognitive science, comparative languages and literatures, literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religious studies, rhetoric, composition, sociology, or speech and hearing science are considered.

The one- to two-page, single-spaced statement of purpose should explain how the applicant's experience and training have prepared them for the program. It should also indicate career goals and explain how these goals relate to the graduate program in linguistics and applied linguistics. Applicants applying for funding must also submit a statement of teaching philosophy. Students should see the Department of English website for specific details.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Critical analysis expertise: Students will demonstrate the ability to explain, synthesize and critique existing scholarship in their research area.
- •Independent research expertise: Students will be able to design and carry out an original research study in their discipline and subdisciplines.
- •Scholarly writing expertise: Students will demonstrate the ability to produce written scholarly work at a level expected by the profession and consistent with the degree program.

**Career Opportunities:** Graduates with research expertise in linguistics and applied linguistics work in a variety of professional contexts, such as academia, government, business, health care, legal settings, publishing, the private sector and nongovernmental organizations.

Career examples include:

- computer-assisted language learning expert

- data analyst
- forensic linguist
- language policy or documentation expert
- language program director or coordinator
- language researcher
- linguistic consultant
- program and curriculum developer
- publisher
- university professor

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission/phd-linguistics-and-applied-linguistics
RBHL 170
enggrad@asu.edu
480-965-3194

## Marriage and Family Therapy, MAS (LAMFTMAS)

**Online Degree Search Title:** Marriage and Family Therapy, MAS
**Campus:** Tempe

**Program Description:** This self-contained accelerated MAS program in marriage and family therapy provides high-quality coursework and supervised internship experiences designed to train practitioners who wish to practice marriage and family therapy.

The curriculum and degree requirements have been specified and approved by the Arizona Board of Behavioral Health Examiners and are devised to meet the degree requirements for licensure in the State of Arizona for the practice of marriage and family therapy.

**Degree Requirements:**
39 credit hours and a master's research paper.
The master's degree program in marriage and family therapy requires the successful completion of a minimum of 39 credit hours and a project, including required coursework and completion of 300 client-contact hours in a community internship placement approved by the master's degree in marriage and family therapy faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 (scale is 4.00 = "A") in all coursework and satisfactorily meet the expectations of the agency supervising their internship.

Students are required to have a vehicle and a valid Arizona driver's license for internship placement.

An internship entrance examination is held at the end of the first 7.5-week semester to determine student readiness for internship placement.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field, such as counseling, psychology, and family and human development, among others.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Letters of recommendation must be from three people who know the applicant in a professional or academic capacity. Family members and friends do not meet this criterion.

Students should refer to the program's website for detailed information on admission requirements.

**Career Opportunities:** There are many career paths available to students pursuing this degree. A few examples are:

- genetic counselor
- psychologist
- rehabilitation counselor
- school and career counselor
- social and community service manager
- social and human service assistant
- social worker
- substance abuse, behavioral disorder and mental health counselor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/degree/graduate/mas-marriage-and-family-therapy
SS 144
graduatesanford@asu.edu
480-965-6978

## Mathematics, MA (LAMATHMA)

**Online Degree Search Title:** Mathematics, MA
**Campus:** Tempe
Spring admission is limited to students in the 4+1 program.
**Program Description:** The MA program in mathematics is designed to increase students' mathematical knowledge beyond the traditional level of a bachelor's degree in order to prepare them for careers requiring sophisticated mathematical skills.

Students may choose to specialize in applied mathematics, core mathematics, mathematics education or statistics through their course selections.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computational Mathematical Sciences, BS
Mathematics, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and 2 written comprehensive exams, or 30 credit hours and a portfolio, or 30 credit hours, a thesis and a written comprehensive exam.
Required Core (3 credit hours)
APM 505 Applied Linear Algebra (3) or APM 506 Computational Methods (3) or MAT 543 Abstract Algebra I (3) or MAT 570 Real Analysis I (3)

Electives (21 or 27 credit hours)

Culminating Experience (0 or 6 credit hours)
MAT 599 Thesis (6)
portfolio (0)
two written comprehensive exams

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics or a closely related field from a regionally accredited institution as well as completed coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Graduates of the Master of Arts program in mathematics possess sophisticated mathematical skills required for careers in many different sectors, including education, industry and government.

Potential career opportunities include:

- finance and investment analyst
- mathematician
- mathematics professor or instructor
- operations research analyst
- statistician

Students also may pursue graduate study in mathematics or statistics in preparation for an academic career.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/degrees/graduate
WXLR A213
grad.math@asu.edu
480-965-3951

## Mathematics, PHD (LAMATHPHD)

**Online Degree Search Title:** Mathematics, PhD
**Campus:** Tempe

**Program Description:** The PhD program in mathematics is intended for students with exceptional mathematical ability. The program emphasizes a solid mathematical foundation and promotes innovative scholarship in mathematics and its many related disciplines.

The School of Mathematical and Statistical Sciences has very active research groups in analysis, number theory, geometry and discrete mathematics.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
MAT 501 Geometry and Topology of Manifolds I (3) or
MAT 516 Graph Theory I (3) or
MAT 543 Abstract Algebra I (3) or
MAT 570 Real Analysis I (3)

Other Requirements (3 credit hours)
MAT 591 Seminar (3)

Electives (24-39 credit hours)

Research (27-42 credit hours)
MAT 792 Research

Culminating Experience (12 credit hours)
MAT 799 Dissertation (12)

Additional Curriculum Information
Electives are to be chosen from math or related area courses approved by the student's supervisory committee.

Students must pass:

- two qualifying examinations
- a written comprehensive examination
- an oral dissertation prospectus defense

Students should see the department website for examination information.
Each student must write a dissertation and defend it orally in front of five dissertation committee members.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Additional eligibility requirements include competitiveness in an applicant pool as evidenced by coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371), and it is desirable that applicants have scientific programming skills.

**Career Opportunities:** Graduates of the doctoral program in mathematics possess sophisticated mathematical skills required for careers in many different sectors, including education, industry and government. Potential career opportunities include:

- faculty-track academic
- finance and investment analyst
- mathematician
- mathematics professor, instructor or researcher
- operations research analyst
- statistician

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/degrees/graduate
WXLR A213
grad.math@asu.edu
480-965-3951

## Mathematics Education, PHD (LAMTEPHD)

**Online Degree Search Title:** Mathematics Education (Mathematics and Statistics Dept - Grades 9-20), PhD
**Campus:** Tempe

**Program Description:** This transdisciplinary PhD program in mathematics education accommodates students from a variety of academic backgrounds. It provides students with a solid foundation in graduate-level mathematics as well as research skills and perspectives that allow them to incorporate mathematics into such core educational areas as:

- curriculum
- learning
- teaching
- technology

Conducting individual and collaborative research in the learning and teaching of mathematics is an integral part of the program.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (12 credit hours)
MTE 501 Research in Undergraduate Mathematics Education I (3)
MTE 502 Research in Undergraduate Mathematics Education II (3)
MTE 503 Research in Undergraduate Mathematics Education Ill (3)
MTE 504 Research in Undergraduate Mathematics Education IV (3)

Electives (42 credit hours)

Area Courses (12 credit hours)

Research (6 credit hours)
MTE 792 Research (6)

Culminating Experience (12 credit hours)
MTE 799 Dissertation (12)

Additional Curriculum Information
Four to five graduate-level (500 and above) elective courses from mathematics, cognitive science, psychology, educational technology, philosophy or research should be taken as approved by the advisor.

For the area courses, students are required to take four graduate-level courses from the following areas of interest: mathematics, applied mathematics or statistics. Students should see the academic unit for the approved course list.

Students should see the school's website for information about qualifier and comprehensive examinations based on math coursework.

The doctoral dissertation culminating experience consists of a dissertation prospectus, oral dissertation defense and the submission of a final revised, formatted dissertation document to the Graduate College. Dissertations are composed under chair and committee supervised research including literature review, research, data collection and analysis, and writing.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework is made up of electives and research.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics or a closely related area, with exceptionally high grades in advanced coursework in mathematics, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

At least two of the letters of recommendation must be from faculty.

**Career Opportunities:** Graduates of the doctoral program in mathematics education have opportunities in Arizona, the US and internationally, typically at research universities and liberal arts colleges, community colleges, and education consulting firms and in roles such as:

- faculty-track academic
- education consultant or analyst
- mathematics professor, instructor or researcher

**Contact Information:**

Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/degrees/graduate
WXLR A213
grad.math@asu.edu
480-965-3951

## Medieval Studies (certificate), Certificate (LAMEDSTCE)

**Online Degree Search Title:** Medieval Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate in medieval studies is a transdisciplinary program that provides intensive engagement for graduate students with the global period between c. 500 and c. 1500 CE; investigation of cultural activities and cultural interactions seen in this period in art history, history, languages, literature, music and religion; and studies in the variety of theoretical approaches to understanding these activities and interactions in the Middle Ages. This program builds on the strengths of ASU by taking advantage of the breadth of interdisciplinary offerings in the study of the Middle Ages here.

These areas of emphasis enable students to gain expertise in practical and theoretical knowledge of the field of medieval studies and to engage in developing new models for the continued study of this time period. Students also develop an understanding of intercultural intersections and transdisciplinary approaches to medieval studies, as well as receive advanced training and mentorship in disciplines relevant to medieval studies.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
One of the following courses:
ARS 514 Monasteries, Madonnas and Manuscripts
ENG 530 Old English
ENG 531 Old English Literature
ENG 532 Middle English Dialects
ENG 632 Advanced Studies in Medieval and Renaissance Literature and Culture
FRE 521 History of the French Language

Electives (12 credit hours)

Additional Curriculum Information
No more than three credit hours may be transferred from another university. No more than six credit hours may be completed prior to admission to the certificate program. At least 10 credit hours must be at the 500-level or above.

Courses must be drawn from at least two different academic units.

To be approved as an elective, a course must spend at least 50% of the class meetings on the subject of the Middle Ages. Students should contact the department for a list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students in good standing who are enrolled in an existing master's or doctoral degree program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The Graduate College requires a TOEFL score of at least 550 (PBT) or 80 (iBT).

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Global Opportunities:**

Global Experience: Study abroad is possible for graduate students. There are more than 50 program opportunities, with programs on every continent. Faculty-directed programs tend to be the best fit for graduate students; taking courses over the summer or during academic breaks with ASU professors offers close mentorship and professional network growth in many fields of study while earning ASU credit. Exchange program participation is also possible with careful planning. More information on available programs can be found on the Global Education Office (https://goglobal.asu.edu/students/graduate-students) website.

**Career Opportunities:** The graduate certificate in medieval studies is designed to equip students for jobs in academia, but also in a variety of other fields in which a humanities degree and interdisciplinary work are valued. Career examples include:

- digital humanities
- library and archival work
- museum work
- professorship in the humanities and social sciences
- publishing
- public humanities
- public service

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu
RBHL 170
enggrad@asu.edu
480-965-3194

## Microbiology, MS (LAMICROMS)

**Online Degree Search Title:** Microbiology, MS
**Campus:** Tempe

**Program Description:** The MS in microbiology is designed to prepare students for careers in bacteriology, virology, mycology, immunology and oncology in academic institutions, government agencies or commercial entities.

Students train broadly in microbiology, including microbial ecology and evolution, geomicrobiology, bacterial physiology and genetics, bacterial pathogenesis, metabolic engineering, immunology and vaccine development, and cancer biology. They receive advanced training in the study of microbes and their impact on humankind, disease and the environment. The tools they use range from nanotechnologies and genomics to mathematical models and satellite-based imaging.

Students receive training in teaching as well as in basic, translational and use-inspired research with world-class faculty and collaborative research partners. Faculty members are associated with the School of Life Sciences, The Biodesign Institute, The Translational Genomics Institute, Barrow Neurological Institute, and other area hospitals and research centers.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Biomedical Sciences), BS
Biological Sciences (Conservation Biology and Ecology), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Microbiology, BS
Microbiology (Medical Microbiology), BS
Molecular Biosciences and Biotechnology, BS
Neuroscience, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis.
Required Core (3 credit hours)
MIC 501 Foundations in Microbiology (3)

Electives and Research (21 credit hours)

Culminating Experience (6 credit hours)
MIC 599 Thesis (6)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Prior research experience is a desired qualification for admission.

**Career Opportunities:** Professionals with tailored research training in specific directions, including microbial physiology, environmental microbiology, evolution and ecology, immunology, virology, and various aspects of modern molecular genetics are in demand in diverse sectors.

Career examples include:

- environmental scientists and specialists (including health)
- lab managers in academic and industrial labs
- medical and clinical laboratory technologists
- microbiologists in diverse sectors including food service and health care industry
- natural sciences managers
- research technicians in academic and industrial labs

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/ms-microbiology
LSA 181
sols.grad@asu.edu
480-965-1768

## Microbiology, PHD (LAMICROPHD)

**Online Degree Search Title:** Microbiology, PhD
**Campus:** Tempe

**Program Description:** The PhD program in microbiology offers a dynamic research environment; a broad range of basic, translational and use-inspired research areas; cutting-edge transdisciplinary training; and opportunities to work with world-class faculty and collaborative research partners committed to training scientific leaders with skills necessary for addressing significant global microbiological problems and challenges.

This program focuses on the smallest of living things and immunology. Students can tailor the program around their interests and gain skills in contemporary approaches used in microbiology, biomedicine and biotechnology. They train in a broad array of fields, including microbial ecology and evolution, geomircrobiology, bacterial physiology and genetics, bacterial pathogenesis, metabolic engineering, immunology and vaccine development, and cancer biology.

Faculty members are associated with the School of Life Sciences, The Biodesign Institute, The Translational Genomics Institute, Barrow Neurological Institute, and other area hospitals and research centers.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (4 credit hours)
BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)
MIC 501 Foundations in Microbiology (3)

Electives or Research (68 credit hours)

Culminating Experience (12 credit hours)
MIC 799 Dissertation (12)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:
- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Prior research experience is a desired qualification for admission.

**Career Opportunities:** Graduates of this program's intense and interactive educational and research training are prepared for advanced careers in research and education, specifically in bacteriology, virology, mycology, immunology and oncology.

Career possibilities are diverse, with opportunities in academic organizations, research and development industries, government service, and other professional organizations. Examples include:

- instructors in universities and colleges
- principal investigators in government labs and nonprofit organizations
- professors in universities and colleges
- research associates in universities
- research scientists in industry

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/phd-microbiology-phd
LSA 181
sols.grad@asu.edu
480-965-1768

## Molecular and Cellular Biology, MS (LACELLMS)

**Online Degree Search Title:** Molecular and Cellular Biology, MS
**Campus:** Tempe

**Program Description:** The MS program in molecular and cellular biology encourages interdisciplinary, innovative research, allowing students to choose from a diverse range of research and training opportunities. Students gain skills in contemporary approaches used in molecular and cellular biology.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Biomedical Sciences), BS
Biological Sciences (Conservation Biology and Ecology), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Microbiology, BS
Molecular Biosciences and Biotechnology, BS
Neuroscience, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis.
Required Core (6 credit hours)
MCB 555 Advanced Molecular and Cellular Sciences (3)
MCB 556 Advanced Molecular and Cellular Biology II (3)

Electives or Research (10 credit hours)

Other Requirements (8 credit hours)
BIO 543 Molecular Genetics and Genomics (3)
BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)
MCB 501 Seminar: Molecular and Cellular Biology Colloquium (4)

Culminating Experience (6 credit hours)
MCB 599 Thesis (6)

Additional Curriculum Information
Students are required to take MCB 501 each semester they are registered. If a student is registered for more or fewer than four semesters, the research hours and MCB 501 hours may be adjusted accordingly to reach 30 credit hours.

Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:
- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Research experience is a desired qualification.

**Career Opportunities:** Those who have earned a master's degree in molecular and cellular biology are prepared for academic careers at every level, from community colleges to research universities, and their skills and knowledge are also valuable for careers in federal and state agencies,

in industry, and in nongovernmental organizations.

Career examples include:

- instructors at community colleges
- researchers and technicians in government labs and non-profit organizations
- scientists and bioinformaticians in academic, private and industrial labs
- science teachers in elementary and high schools

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/ms-molecular--cellular-bio-ms
LSA 181
sols.grad@asu.edu
480-965-1768

## Molecular and Cellular Biology, PHD (LACELLPHD)

**Online Degree Search Title:** Molecular/Cellular Biology, PhD
**Campus:** Tempe

**Program Description:** The PhD program in molecular and cellular biology emphasizes interdisciplinary approaches in fundamental and highly applied molecular and cellular biology to answer basic and translational research questions. Students can tailor the program around their interests while gaining skills in the most innovative approaches and techniques.

Faculty have a diverse range of research interests and training opportunities for doctoral students interested in pursuing a degree that extends beyond the traditional boundaries of biological research. Participating faculty members and researchers are drawn from multiple departments, colleges, centers and institutes across the university including:

- New College of Interdisciplinary Arts and Sciences
- School of Biological and Health Systems Engineering
- School for Engineering of Matter, Transport and Energy
- School of Human Evolution and Social Change
- School of Life Sciences
- School of Mathematical and Statistical Sciences
- School of Molecular Sciences

Participating faculty members are also based at partner institutions in the greater Phoenix area, including:

- Caris Life Sciences
- Mayo Clinic Arizona
- Phoenix Children's Hospital
- Translational Genomics Research Institute
- University of Arizona College of Medicine-Phoenix

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
MCB 555 Advanced Molecular and Cellular Sciences (3)
MCB 556 Advanced Molecular and Cellular Biology II (3)

Electives or Research (54 credit hours)

Other Requirements (12 credit hours)
BIO 543 Molecular Genetics and Genomics (3)
BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)
MCB 701 Seminar: Molecular and Cellular Biology Colloquium (8)

Culminating Experience (12 credit hours)
MCB 799 Dissertation (12)

Additional Curriculum Information
Courses listed as other requirements may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Research experience is a desired qualification.

**Career Opportunities:** Graduates hold positions as researchers and leaders in nongovernmental organizations, biotech and pharma, and in federal and state agencies.

Career examples include:

- faculty in universities and colleges
- leaders of nonprofit organizations
- principal investigators and leaders in private, government, and industrial labs

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/phd-molecular--cellular-bio-phd
LSA 181
sols.grad@asu.edu
480-965-1768

## Museum Studies, MA (LAMUSSTMA)

**Online Degree Search Title:** Museum Studies, MA
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MA program in museum studies examines how museums produce and reflect culture and examines the role museums play worldwide.

Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They also gain practical experience while being encouraged to challenge preconceived notions about museums and the way museums affect and are affected by societies and cultures.

Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core (3 credit hours)
ASB 579 Critical Issues in Museum Studies (3)

Electives and Research (18)
ASB 592 Research (6)
other electives and research (12)

Other Requirements (9)
ASB 500 Research Methods (3) or ASB 572 Museum Collection Management (3)

ASB 584 Internship (6) OR ASB 584 Internship (3) and ASB 580 Practicum (3)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
For a complete list of approved elective and research courses, students should contact the school.

Internship (ASB 584) and Practicum (ASB 580) must be approved by their supervisory committees, usually in a museum setting or museum quality collection or archive related to their chosen area of study: anthropology, art history, theory and criticism or public history.

Other courses may be substituted for ASB 500 as an equivalent course with academic unit approval.

On completion of the internship, students must submit a journal or portfolio about the internship and skills acquired.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00="A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** The demand in the job market is for people able to analyze a broad range of data on human thought and human behavior. There is a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- directing nonprofit organizations
- directing programs in the private or public sector

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/degrees/graduate
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Museum Studies (certificate), Certificate (LAMUSEUMCE)

**Online Degree Search Title:** Museum Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** In the museum studies certificate program, students examine how museums produce and reflect culture and they examine the role museums play worldwide.

Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They gain practical experience while being encouraged to challenge preconceived notions about museums and the way they affect and are affected by societies and

cultures.

Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

**Degree Requirements:**
18 credit hours.
Required Core (3 credit hours)
ASB 579 Critical Issues in Museum Studies (3)

Electives (9 credit hours)

Other Requirements (6 credit hours)
ASB 580 Practicum (3) and ASB 584 Internship (3) OR
ASB 584 Internship (6)

Additional Curriculum Information
Certificate students may choose to specialize in areas such as anthropology, art history and public history.

For a complete list of approved elective and research courses, students should contact the school.

Internship (ASB 584) and Practicum (ASB 580) must be approved by their supervisory committees, usually in a museum setting or museum-quality collection or archive related to their chosen area of study: anthropology, art history, theory and criticism or public history.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program, with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count toward their master's degree, with the approval and consent of the degree-granting program.

All requirements for the certificate program should be completed within a three-year time limit with a minimum cumulative GPA of 3.00 (scale is 4.00 = "A"). Students who require more time to finish the program, because of their part-time status or lack of desirable or available courses, must obtain approval from the executive committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

For information on spring admission, students should contact the School of Human Evolution and Social Change.

**Career Opportunities:** The demand in the job market is high for people able to analyze a broad range of data on human thought and human behavior. There is a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- directing nonprofit organizations
- directing programs in the private or public sector

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Nanoscience, PSM (LANANPSM)

**Online Degree Search Title:** Nanoscience, PSM
**Campus:** Tempe
This program is not currently accepting applications.
**Program Description:** The PSM in nanoscience is a cohesive program of transdisciplinary courses that provide the knowledge base required for research and innovation in nanoscience. The program incorporates courses in:

- chemistry and biochemistry
- electrical engineering
- materials science
- physics

Commercial innovation is a particular target goal of the degree, including applications in:

- biochemistry and sensing technology
- biophysics and biomedical technology
- nanomaterials and nanoscale devices

The Professional Science Master's degree program in nanoscience is suitable for working professionals as well as for students who have obtained a traditional bachelor's degree or master's degree in related fields.

**Degree Requirements:**
32 credit hours including the required applied project course (NAN 593).
Required Core (5 credit hours)
NAN 505 Nanoscience and Society (2) or NAN 506 Innovation and IP Management (2)
NAN 571 Quantum Physics (3) or NAN 544 Introduction to Nanoscience (3)

Electives or Research (15 credit hours)

Other Requirements (6 credit hours)
NAN 591 Professional Seminar (6)

Culminating Experience (6 credit hours)
NAN 593 Applied Project (6)

Additional Curriculum Information
Students must take either NAN 505 or NAN 506. Students may also take the other course as an elective.

Students with a physical science or engineering background should take NAN 571 Quantum Physics and students with a biochemistry or life sciences background should take NAN 544 Introduction to Nanoscience.

The program includes a two-semester, student-centered professional seminar in which emerges the central role of the program as a vehicle for innovation. During the spring semester and summer session, students conduct an individual applied project in association with a research group. Throughout the program, students interact with research faculty and other students in a variety of disciplines related to nanoscience. Students also meet with visiting speakers and industrialists in the professional seminar as well as in other seminars.

If taken full time, the PSM in nanoscience can be completed in 12 months (fall semester, spring semester and two eight-week summer sessions).

Another option is the two-year, part-time program which allows prospective students and their employers flexibility in scheduling the program of study.

Students should see the academic unit for a complete list of approved electives. Many of the requisite elective courses are currently offered within the Department of Physics and the Department of Chemistry and Biochemistry. Most are cross-listed with other units.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics, chemistry or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. TOEFL scores or equivalent are required for applicants whose native language is not English.

The personal statement should outline the applicant's research interests and why the applicant wants to apply to the Professional Science Master's degree program.

GRE scores are not required but are taken into consideration if submitted.

Letters of recommendation should be from individuals familiar with the applicant's work or studies relevant to the program.

**Career Opportunities:** Nanoscale science and engineering are having an increasing impact on many aspects of daily life and the opportunities for careers are rapidly expanding. In areas as diverse as designing medical diagnostic devices to building better batteries, from creating cosmetics to enhancing energy efficient windows, from auto and plane manufacturing to researching the nature of matter itself, knowledge of nanoscale science and engineering will be increasingly important during upcoming years and decades.

The highly technical field of nanotechnology and nanoscience is always looking for scientists, engineers and technicians. Career examples include:

- applications engineer
- biotechnologist
- forensic scientist
- instrument development engineer
- manufacturing engineer
- market development manager
- materials scientist
- mechanical or electrical engineer
- medical engineer
- microscopist
- optical engineer
- research scientist
- technical program manager

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Physics
https://physics.asu.edu/degrees/graduate
PSF 470
nanoscience@asu.edu
480-965-3561

## Natural Science (Earth and Space Sciences), MNS (LANATSCIMN)

**Online Degree Search Title:** Natural Science (Earth and Space Sciences), MNS

**Campus:** Tempe

**Program Description:** The School of Earth and Space Exploration participates in the transdiciplinary program leading to the MNS in natural science with a concentration in earth and space sciences. This program is designed to meet the needs of professionals seeking a graduate-level degree and is especially suited for individuals who desire professional training rather than research training.

The program must be transdisciplinary; students are expected to emphasize coursework in two or more areas of specialization. The program offers the opportunity for graduate training in the natural sciences (i.e., biological sciences, mathematics and physical sciences) and cognate areas. Because it is flexible by design, the program also offers the opportunity for individualized professional graduate programs depending upon the backgrounds and goals of the students.

**Degree Requirements:**
30 credit hours including the required applied project course (SES 593).
Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Other Requirements (19 credit hours)
SES 501 SESE Colloquium (1)
GLG or SES courses (18)

Electives or Research (4 credit hours)

Culminating Experience (6 credit hours)
SES 593 Applied Project (6)

Additional Curriculum Information
Other Requirements coursework includes SES 501 and 18 credit hours of GLG or SES graduate-level courses. Exceptions and substitutions may be allowed with approval of the academic unit.

The supervisory committee is chosen by the student in conjunction with the advisor. The composition of the supervisory committee must reflect the transdisciplinary nature of the program. The student develops a suitable applied project with the approval of the supervisory committee.

Students must submit a plan of study after conferring with the supervisory committee. While a minimum of 30 credit hours is required for the degree, more credit hours may be required by the supervisory committee, depending upon the background of the student and the nature of the proposed program.

In some cases, undergraduate courses may be required to remove deficiencies.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** Professionals with expertise in earth and space sciences are in high demand across sectors and industries, including remote sensing, natural resource management, data science, environmental consulting, hazard and risk assessment, geophysics and planetary science. Skills in the measurement and analysis of data related to the physics, chemistry and structures of earthly and planetary systems are valuable to businesses and institutions relying on data-driven strategies to interact with the planet and explore beyond the Earth.

Career examples include:

- geologist
- high school teacher
- science communication expert

- science writer and science journalist

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/admission/graduate-admission
ISTB4 795
sese-prospectivegrads@asu.edu
480-965-5081

## Natural Science (Physics), MNS (LAPHYSMNS)

**Online Degree Search Title:** Physics, MNS
**Campus:** Tempe

**Program Description:** The MNS program in physics provides transdisciplinary graduate training in physics, physical science or physics education. The program is especially suited for in-service high school science teachers who desire professional training rather than pursuit of a research-based degree.

Designed for flexibility, the curriculum also features individualized professional graduate programs. These programs are well suited to the backgrounds and goals of students. Students are expected to emphasize coursework in two or more areas of concentration. The program must be transdisciplinary.

**Degree Requirements:**
30 credit hours including the required applied project course (PHS 593).
The graduate advisor and the student suggest three faculty members who reflect the transdisciplinary nature of the program to serve on the supervisory committee which, upon the recommendation of the chair of the Department of Physics, is appointed by the vice provost for the Graduate College soon after the student has been admitted to the degree program.

After conferring with the student, the supervisory committee recommends the plan of study. The committee may require additional coursework to ensure proficiency, depending upon the student's background and the nature of the proposed program. In some cases, undergraduate courses may be required to overcome deficiencies.

Teachers may enroll in these courses in order to earn credit toward recertification or to pursue a Master of Natural Science degree. These courses are held during the summer. Depending on teacher interest, they may be offered at other times. For some courses, the prerequisites are two semesters of trigonometry-based college physics and an introductory calculus course.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited institution. The program is open to in-service high school teachers who have completed two semesters of college physics and an introductory calculus course. Under-prepared teachers can make up deficiencies in regularly scheduled courses. Students must be able to attend classes in-person at the Tempe campus.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- two letters of recommendation
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals familiar with the applicant's work or studies relevant to the natural science program.

Conditions for admission are the availability of resources for the proposed program and a Department of Physics faculty member designated to serve as a graduate advisor.

**Career Opportunities:** Graduates possess deeper understanding of physics and related subjects both conceptually and pedagogy. They are better prepared for teaching physics and other related subjects, and they may be qualified to teach dual enrollment courses in physics or related subjects such as chemistry.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Physics
https://physics.asu.edu/
PSF 470
physics.grad@asu.edu
480-965-3561

## Neuroscience, PHD (GCBMENPHD)

**Online Degree Search Title:** Neuroscience, PhD
**Campus:** Tempe

**Program Description:** Neuroscience is the scientific study of the nervous system. Studies in neuroscience can be multifaceted and combine physiology, anatomy, molecular biology, developmental biology, cytology, computer science and mathematical modeling to understand the fundamental and emergent properties of the many different cells in the brain and how they interact and co-regulate each other.

Students integrate several levels of analysis --- molecular, cellular, systems, behavioral and cognitive --- to investigate basic, translational and clinical questions about the relationship between the brain and behavior.

The PhD program in neuroscience includes aspects of graduate-level training from many different units on campus as well as from the program's partner institutions distributed across the greater Phoenix area. Partner institutions include Barrow Neurological Institute, Translational Genomics Research Institute, University of Arizona College of Medicine and Sun Health Research Institute.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (8 credit hours)
BIO 610 Introduction to Responsible Conduct of Research in Life Sciences (1)
NEU 556 Human Systems Neuroscience (4)
NEU 576 Advanced Cellular and Molecular Neuroscience (3)

Electives or Research (58 credit hours)

Other Requirements (6 credit hours)
NEU 558 Neuroscience Journal Club (3)
NEU 591 Seminar (3)

Culminating Experience (12 credit hours)
NEU 799 Dissertation (12)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Regular admission may be granted to applicants who have achieved the minimum cumulative GPA requirement or better in the last two years of work leading to a bachelor's degree and who are competitive in the applicant pool as evidenced by letters of recommendation. Particular attention is paid to research experience and overall preparation in problem-solving abilities as evidenced by previous coursework and research experiences.

There are no specific undergraduate course requirements other than those implied by the degree requirements described above. Most students are expected to have had coursework in biology, chemistry and math.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Research experience is a desired qualification.

**Career Opportunities:** A doctorate in neuroscience provides strong preparation for academic careers at every level from community colleges to research universities. Graduates also apply the skills and knowledge obtained in this program in government careers in federal and state agencies, in industry (biotech, medical or pharmaceutical), as well as in nongovernmental organizations.

Career examples include:

- health care scientists in academic, private and industrial labs
- principal investigators in government labs and nonprofit organizations
- professors or instructors in universities and colleges
- science teachers in elementary and high schools

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/phd-neuroscience
LSA 181
sols.grad@asu.edu
480-965-1768

## Philosophy, MA (LAPHILMA)

**Online Degree Search Title:** Philosophy, MA
**Campus:** Tempe

**Program Description:** The School of Historical, Philosophical and Religious Studies offers an MA degree program in traditional and contemporary philosophy. General areas of research include ethics, political philosophy, metaphysics, epistemology, philosophy of law, philosophy of science, feminist philosophy, philosophy of language, experimental philosophy and the history of philosophy.

Members of the faculty are involved in interdisciplinary work in a variety of fields and enjoy close ties with the Lincoln Center for Applied Ethics, the Sandra Day O'Connor College of Law, and a number of other graduate programs at ASU. The philosophy program sponsors an active colloquium series and regular philosophical conferences on diverse topics. The Lincoln Center for Applied Ethics also sponsors a wide range of activities, including large-scale conferences, distinguished visitors and support for graduate study.

The program seeks to maintain a balance between course offerings in the traditional areas of philosophy and opportunities for study of current philosophical developments.

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis.
Required Core Areas (9 credit hours)
epistemology (3)
metaphysics (3)
value theory (3)

Electives and Research (15 or 21 credit hours)

Culminating Experience (0 or 6 credit hours)
PHI 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
There are two culminating experience options for the master's degree program in philosophy: the thesis option and the nonthesis portfolio option.

Thesis students take 15 credit hours of electives. Portfolio students take 21 credit hours of electives, which must include PHI 592 Research for three credit hours.

Students should see the academic unit for the list of courses approved for each core area in epistemology, metaphysics and value theory.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency, a copy of an article or research paper in their native or principal research language, as well as the English writing sample required of all students regardless of their current residency. The philosophy program requires a TOEFL iBT score of at least 100, or 7.0 on the IELTS.

The statement of purpose should explain the applicant's specific intent and be no more than 600 words in length.

The writing sample must be a piece of philosophical writing, preferably a seminar paper or published article of no more than 20 pages and not a thesis or dissertation.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Students will be able to identify and articulate a philosophical problem or question in one of the core areas in philosophy --- that is, metaphysics, epistemology and value theory.
- •Students will be able to construct a reasoned defense of a clear, creative, and original solution to a philosophical problem in one of the core areas of philosophy --- that is, metaphysics, epistemology and value theory.
- •Students will be able to evaluate a solution or answer to a philosophical problem or question (such as one of those explicated in the course readings).
- •Students will be able to explain a philosophical argument or point verbally.

**Career Opportunities:** Both the Master of Arts and doctoral programs in philosophy help students develop and hone skills that are highly marketable and easily transferable.

Philosophy teaches its students to think critically, creatively and imaginatively. Though routine jobs are increasingly being lost to advances in automation and artificial intelligence, these skills are irreplaceable by technology, highly sought-after by employers, and transferrable from one occupation to another. They have the ability to read closely and with a critical eye; to analyze complex problems and identify all the possible solutions, including some creative solutions; to assess the merits of each possible solution; and to articulate and argue for or against various possible solutions in clear, precise and unambiguous language.

As philosophy focuses on honing certain skills rather than acquiring a particular body of knowledge, philosophy prepares its students for a wide variety of careers rather than for just one particular occupation. Indeed, philosophy prepares its students for any career requiring problem-solving; clear, critical and creative thinking; and excellent reading, writing and communication skills.

The master's degree program in philosophy is designed to prepare students to enter doctoral programs, teach philosophy at the community college level, or work in any area that requires critical, analytical thinking, such as medicine, law, government or publishing.

Career examples include:

- businessperson
- computer programmer
- counselor
- educator
- journalist
- lawyer
- politician
- public policy analyst

- publisher
- writer

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/degree/graduate/ma-philosophy--ma
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778

## Philosophy, PHD (LAPHILPHD)

**Online Degree Search Title:** Philosophy, PhD
**Campus:** Tempe

**Program Description:** The School of Historical, Philosophical and Religious Studies offers a newly redesigned PhD program in philosophy.

General areas of research include ethics, political philosophy, metaphysics, epistemology, philosophy of law, philosophy of science, philosophy of language, philosophy of religion and the history of philosophy. The program features a focus on practical and applied philosophy and an interdisciplinary coursework component related to the student's research topic.

Practical philosophy includes the fields of ethics, philosophy of law, social and political philosophy, feminist ethics and political philosophy.

Applied philosophy includes the application of theories developed within any of the subdisciplines of philosophy to everyday problems or phenomena, such as the application of the philosophy of language in relation to hate speech or the philosophy of mind in relation to computing and artificial intelligence. Applied philosophy also includes the application of research produced by methods used in other disciplines in order for the student to understand and address philosophical questions, like the application of data-gathering instruments used in psychology to answer questions in experimental philosophy.

Students may design dissertation projects in any of the major subfields of philosophy. For their interdisciplinary coursework supporting the dissertation project, students might, for example, pursue a certificate in social transformation, gender studies, responsible innovation in sciences, or engineering and society.

Members of the faculty are involved in interdisciplinary work in a variety of fields and enjoy close ties with the Lincoln Center for Applied Ethics, the College of Law and a number of other graduate programs at the university. The ASU philosophy faculty group sponsors an active colloquium series and regular philosophical conferences on diverse topics. The Lincoln Center for Applied Ethics also sponsors a wide range of activities, including large-scale conferences, distinguished visitors and support for graduate study.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core Areas (15 credit hours)
applied philosophy (3)
epistemology (3)
formal methods (3)
metaphysics (3)
value theory (3)

Electives (45 credit hours)

Research (12 credit hours)
PHI 792 Research (12)

Culminating Experience (12 credit hours)
PHI 799 Dissertation (12)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each required core area.

In completing the electives requirements, at least nine credit hours and no more than 18 credit hours must be from other disciplines supporting the student's proposed dissertation area; 30 credit hours from a previously awarded master' degree may apply toward this requirement with approval by the student's supervisory committee and the Graduate College.

To ensure breadth in the traditional areas of philosophy, students must pass with a grade of "B" or better (3.00 on a 4.00 scale).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency, a copy of an article or research paper in their native or principal research language, as well as the English writing sample required of all students regardless of their current residency. The philosophy program requires a TOEFL iBT score of at least 100, or 7.0 on the IELTS.

The statement of purpose should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, and the proposed research specialization (no more than 600 words in length).

The writing sample must be a piece of philosophical writing, preferably a seminar paper or published article of no more than 20 pages.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Achieve competence with philosophical literature and writing
- •Achieve professional-level skills in mastering literature and philosophical writing
- •Able to identify and articulate a philosophical problem or question in one of the core areas in philosophy --- that is, metaphysics, epistemology and value theory

**Career Opportunities:** Both the MA and doctoral programs in philosophy help students develop and hone skills that are highly marketable and easily transferable.

Philosophy teaches its students to think critically, creatively and imaginatively. Though routine jobs are increasingly being lost to advances in automation and artificial intelligence, these skills are irreplaceable by technology, highly sought-after by employers, and transferrable from one occupation to another. They are the ability to read closely and with a critical eye; to analyze complex problems and identify all the possible solutions, including some creative solutions; to assess the merits of each possible solution; and to articulate and argue for or against various possible solutions in clear, precise and unambiguous language.

As philosophy focuses on honing certain skills rather than acquiring a particular body of knowledge, philosophy prepares its students for a wide variety of careers rather than for just one particular occupation. Indeed, philosophy prepares its students for any career requiring problem-solving; clear, critical and creative thinking; and excellent reading, writing and communication skills.

The program is designed to prepare students for careers as philosophers, as teachers of philosophy and in areas in which they may benefit from advanced training in philosophy, such as law, civil service and publishing.

Career examples include:

- businessperson
- computer programmer
- counselor
- educator
- journalist
- lawyer
- politician
- public policy analyst
- publisher
- writer

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/degree/graduate/phd-philosophy--phd
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778

## Physics, MS (LAPHYSIMS)

**Online Degree Search Title:** Physics, MS
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MS program in physics provides graduate instruction and research experience appropriate to many physics-related careers. The structure of the program is flexible enough to allow a wide range of programs of study and a wide range of student backgrounds. It is also suitable for part-time study.

Completion of the program requires a minimum of two years, with students typically taking courses for the first three semesters and completing a research project in their final semester. Each student defends a master's degree thesis at the end of the program.

**Degree Requirements:**
30 credit hours and a thesis.
The master's degree in physics can emphasize either physics or physics in combination with other fields.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics or a closely related field from a regionally accredited institution. To be admitted to the master's degree program in physics without deficiencies, applicants should have adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- test scores for the verbal, quantitative and analytical sections of the GRE
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency in the form of a TOEFL or equivalent score regardless of their current residency.

Submission of scores for the physics GRE subject test is recommended, although not mandatory.

Financial support in the form of teaching or research assistantships is contingent upon satisfactory performance in coursework, timely completion of the final examination for the master's degree, and need and availability of such support.

Students on probation are offered financial support only under exceptional circumstances.

**Career Opportunities:** As professional physicists, graduates can advance the frontiers of physics by generating new knowledge in their subfield while working on the most challenging scientific problems at the forefront of human understanding. Physicists are valued for their analytical, technical and mathematical skills and find employment in a vast majority of employment sectors, including:

- academia
- engineering
- finance
- technology

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Physics
https://physics.asu.edu/

PSF 470
physics.grad@asu.edu
480-965-3561

## Physics, PHD (LAPHYSIPHD)

**Online Degree Search Title:** Physics, PhD
**Campus:** Tempe

**Program Description:** The PhD program in physics is intended for highly capable students who have the interest and ability to follow a career in independent research.

The recent advent of the graduate faculty initiative at ASU extends the spectrum of potential physics doctoral topics and advisors to include highly transdisciplinary projects that draw upon:

- biochemistry
- biology
- chemistry
- electrical engineering
- materials science
- other related fields

Consequently, students and doctoral advisors can craft novel doctoral projects that transcend the classical palette of physics subjects. Transdisciplinary expertise of this nature is increasingly vital to modern science and technology.

Current areas of particular emphasis within the department include:

- biological physics
- cosmology
- electron diffraction and imaging
- nanoscale and materials physics
- particle physics and astrophysics

The department has more than 90 doctoral students and more than 40 faculty members.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (18 credit hours)
PHY 500 Research Methods (6)
PHY 521 Classical and Continuum Mechanics (3)
PHY 531 Electrodynamics (3)
PHY 541 Statistical Physics (3)
PHY 576 Quantum Theory (3)

Electives or Research (54 credit hours)

Culminating Experience (12 credit hours)
PHY 799 Dissertation (12)

Additional Curriculum Information
Of particular note within the core courses are the PHY 500 Research Rotations, which are specifically designed to engage doctoral students in genuine, faculty-guided research starting in their first semester at ASU. Students take PHY 500 during the fall and spring of their first year.

Coursework beyond the core courses is established by the student's doctoral advisor and supervisory committee, working in partnership with the student. The intent is to tailor the doctoral training to the specific research interests and aptitudes of the student while ensuring that each graduating student emerges with the expertise, core knowledge and problem-solving skills that define a successful doctoral degree in physics.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework are made up of electives to reach the required 84 credit hours.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics or a closely related area, from a regionally accredited institution. Applicants must have had adequate undergraduate preparation equivalent to an undergraduate major of 30 credit

hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants requesting credit for prior graduate courses, taken either at ASU or elsewhere, must demonstrate mastery of the relevant course material to the graduate-level standards of the Department of Physics.

**Career Opportunities:** As a professional physicist, graduates can advance the frontiers of physics by generating new knowledge in their subfield while working on the most challenging scientific problems at the forefront of human understanding. Graduates find positions in a variety of settings, such as academic faculty, administration, government labs, industrial labs and management.

Physicists are valued for their analytical, technical and mathematical skills and find employment in a vast array of employment sectors, including:

- academia
- engineering
- finance
- technology

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Physics
https://physics.asu.edu/
PSF 470
physics.grad@asu.edu
480-965-3561

## Plant Biology and Conservation, MS (LAPLBIOMS)

**Online Degree Search Title:** Plant Biology and Conservation, MS
**Campus:** Tempe

**Program Description:** The MS program in plant biology and conservation provides students with advanced training in plant ecology, evolution and floristics as well as in theory and practice of conservation biology.

Students have the opportunity to work with faculty and researchers from ASU and the Desert Botanical Garden, located in Phoenix near ASU's Tempe campus.

This master's degree program is offered in collaboration with the Desert Botanical Garden.

**Degree Requirements:**
30 credit hours and a thesis.
Required Core (3 credit hours)
PLB 502 Perspectives in Plant Biology (3)

Research (3 credit hours)
PLB 592 Research (3)

Electives (17 credit hours)

Other Requirements (1 credit hour)
BIO 591 Seminar (1)

Culminating Experience (6 credit hours)
PLB 599 Thesis (6)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology, botany or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** The conservation field demonstrates a growing need for botanists and conservation biologists in academic institutions, government agencies and nongovernmental organizations.

A master's degree in plant biology and conservation provides strong preparation for academic careers. The skills and knowledge obtained in this program are also valuable for government careers in federal and state agencies responsible for management and conservation and for careers in industry and nongovernmental organizations.

Career examples include:

- conservation scientists at parks and natural resource centers, museums and national forests
- food and agriculture scientists in academic, private and industrial labs
- instructors at community colleges
- researchers and technicians in government labs and nonprofit organizations
- science teachers in elementary and high schools

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/graduate/ms-plant-biology-and-conservation
LSA 181
sols.grad@asu.edu
480-965-1768

## Political Psychology, MA (LAPPSMA)

**Online Degree Search Title:** Political Psychology, MA
**Campus:** Online

**Program Description:** Developed as an interdisciplinary program crossing political science and psychology, the MA in political psychology was created to aid in the professional advancement of electoral and issue advocacy campaigns, government and private sector careers, and careers in nonprofit organizations. Students learn the skills they need to mobilize voters and social movements, advance governmental programs, design successful political communication strategies, and effectively market political candidates for local, state and federal offices.

The program's mission is to educate students in the most recent insights from evidence-based research, prepare students with innovative tools and with knowledge that gives them an advantage over their peers, and to encourage hands-on training that ensures they can apply their classroom learning. Students have regular interactions with world-class teachers and researchers who help students learn how to shape the world in a meaningful and positive way.

The School of Politics and Global Studies is host to the Center on the Future of War, the Center for Latina/os and American Politics Research, and

the SPGS Experimental Laboratory. The Department of Psychology hosts 10 doctoral, master's degree and graduate certificate programs that investigate issues such as social influence and persuasion, prejudices and discrimination, and neuroscience and clinical pathology. Faculty members are active in collaborative interdisciplinary research at ASU and with scholars at other universities and have won many major grants and awards.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Political Science, BS
Political Science, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (PPS 550).
Required Core (3 credit hours)
PPS 501 Fundamentals of Political Psychology (3)

Other Requirement (6 credit hours)
PPS 504 Attitudes and Persuasion (3)
PPS 506 Experimental Design (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)
PPS 550 Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a list of approved elective courses.

Other requirement coursework may be substituted with approval from the program director. Substitutions are based on student interest in narrowing their specialization with guidance. This program does not seek to replicate existing communications or marketing degrees, but rather harness the political psychology perspective as applied to a variety of potential student interests and careers.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

A letter of recommendation is strongly encouraged but not required to be submitted. The preferred type of letter of recommendation is an academic recommendation, but a letter from an employer or other supervisor is also permitted. The letter should address topics such as the applicant's analytical skills, ability to integrate information, level of motivation, ability to meet deadlines and work ethic. Once the application has been submitted, the listed recommender will receive an email with instructions for providing their recommendation.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/political-psychology-ma/) for program descriptions and to request more information.

**Career Opportunities:** The Master of Arts program in political psychology prepares students for a variety of careers in politics and related fields. An understanding of how voters make decisions and behave is crucial for jobs in political campaigns, grassroots organizations and political party organizations. The communication skills developed in this program could lead to careers in political marketing or political advertising. Graduates are also prepared for a variety of jobs in local, state or federal government.

Career examples include:

- campaign manager
- campaign strategist
- community organizer
- fundraising consultant
- issue advocacy consultant
- legislative aide
- lobbyist
- media strategist
- political analyst
- political marketing manager

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/degree/graduate/ma-political-psychology
COOR 6748
spgs@asu.edu
480-965-8563

## Political Science, MA (LAPOLSCMA)

**Online Degree Search Title:** Political Science, MA
**Campus:** Tempe
The GRE requirement is waived for fall 2024 admissions.
**Program Description:** The MA program in political science offers a variety of areas of specialization within and between the four main subfields of political science --- American politics, comparative politics, international relations, and political theory --- with particular strengths in ethno-religious dynamics, women and politics, political violence, human rights, political psychology, political economy and Latino politics.*

Faculty are also active in collaborative interdisciplinary research at ASU and with scholars at other universities; many have won major grants and awards. The school is host to the Center on the Future of War, the Center for Latina/os and American Politics Research and an experimental lab. Faculty are also affiliated with other centers at ASU, such as the Leadership, Diplomacy and National Security Lab, the Center for the Study of Religion and Conflict, the Melikian Center for Russian, Eurasian, and East European Studies, as well as the Center for the Study of Economic Liberty.

This Master of Arts program may be taken as a terminal program or as a step toward eventual fulfillment of the requirements for the doctorate. Students who plan to obtain the doctorate at ASU should apply directly to the doctoral program.

*Students interested in a political theory specialization should consult with the academic unit prior to application.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Studies, BA
Political Science, BA
Political Science, BS
Politics and the Economy, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio, or 30 credit hours and a thesis.
Required Core Course (3 credit hours)
POS 503 Empirical Political Inquiry (3)

Other Requirements (6 credit hours)
focus area course (3)
POS 603 Polimetrics I or second focus area course for political theory (3)

Electives (15 or 21 credit hours)

Culminating Experience (0 or 6 credit hours)
POS 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information:
Students selecting the thesis option must submit a written thesis and hold an oral defense. Students selecting the portfolio option must submit a written paper and hold an oral defense.

The course POS 603 Polimetrics I may be substituted with permission of both the director of Graduate studies and the faculty advisor. Students in the political theory focus area take a second focus area course instead of POS 603.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- GRE scores
- three letters of recommendation
- list of political science courses taken
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

To assist in evaluating all candidates, the applicant should list titles and related information for all previous undergraduate and graduate courses or coursework in political science or related fields. The file must be saved in a .pdf, .doc, .rtf or .txt format and uploaded with the online graduate admission application. The information should be in a table with the following column headings: Course Title, Undergrad Credit Hours, Graduate Credit Hours, Grade, Institution, Year.

Undergraduate coursework in political science is not a prerequisite for admission. However, master's degree students should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of concentration that they wish to study. Students should allow sufficient time to acquire such a background.

**Career Opportunities:** Graduates are prepared for research or applied careers in political science in government, nonprofits and the private sector. Career examples include:

- campaign consultant
- campaign strategist
- data analyst
- lobbyist
- research specialist

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/degree/graduate/ma-political-science--ma
COOR 6801
spgs@asu.edu
480-965-8563

# Political Science, PHD (LAPOLSCPHD)

**Online Degree Search Title:** Political Science, PhD
**Campus:** Tempe
The GRE requirement is waived for fall 2024 admissions.
**Program Description:** The PhD program in political science is intended to develop scholars who demonstrate a high level of excellence in teaching and research as professional political scientists. It offers a variety of areas of specialization within and between the four main subfields of political science: American politics, comparative politics, international relations and political theory. Students interested in a political theory specialization should consult with the academic unit prior to application.

Program faculty have particular strengths in Latino and Latina politics, women and politics, ethno-religious dynamics, political violence, human rights, political psychology and political economy.

The school is host to the the Center for Latinos and American Politics Research, the Center on the Future of War, and an experimental lab. Faculty are also affiliated with other centers at ASU, such as the Leadership, Diplomacy and National Security Lab; the Center for the Study of Religion and Conflict; the Melikian Center for Russian, Eurasian and East European Studies; as well as the Center for the Study of Economic Liberty. Many faculty members are active in collaborative interdisciplinary research at ASU and with scholars at other universities, and they have won major grants and awards, as have the school's doctoral students.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
POS 503 Empirical Political Inquiry (3)

Electives and Research (69 credit hours)

Culminating Experience (12 credit hours)
POS 799 Dissertation (12)

Additional Curriculum Information
A maximum of 12 credit hours of approved coursework outside the department but within ASU may count toward the required 84 credit hours.

Coursework beyond the 12 credit hour maximum may be taken outside the department with permission of both the director of Graduate Studies and the faculty advisor.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives and research to reach the required 84 credit hours.

Also required is a formal oral defense of the dissertation and a written comprehensive examination in the major field.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- GRE scores
- three letters of recommendation
- list of political science courses taken
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

To assist in evaluating all candidates, the applicant should list titles and related information for all previous undergraduate and graduate courses or coursework in political science or related fields. The file must be saved in a .pdf, .doc, .rtf or .txt format and uploaded with the online graduate admission application. The information should be in a table with the following column headings: Course Title, Undergrad Credit Hours, Graduate

Credit Hours, Grade, Institution, Year.

Undergraduate coursework in political science is not a prerequisite for admission. However, applicants to the doctoral program should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of specialization that they wish to study. Students without this background should allow sufficient time to acquire it.

**Career Opportunities:** Program graduates have a strong track record of obtaining positions in academic, public and private sectors. The program works closely with students so they have the opportunity and tools needed to achieve their career goals. The doctoral program provides advanced education for students preparing for teaching, research or applied careers in political science in government, nonprofits and the private sector.

Career examples include:

- campaign consultant
- campaign strategist
- data analyst
- lobbyist
- research specialist
- tenure-track or instructional faculty in political science

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/degree/graduate/phd-political-science--phd
COOR 6801
spgs@asu.edu
480-965-8563

## Psychology, PHD (LAPSYCHPHD)

**Online Degree Search Title:** Psychology, PhD
**Campus:** Tempe

**Program Description:** The Department of Psychology offers PhD programs designed to provide outstanding training in innovative research, methodology and the application of psychological principles to a wide variety of human conditions.

The department is organized into six major areas of interest. The quantitative research methods (https://degrees.apps.asu.edu/masters-phd/major/ASU00/LAPSYQUPHD/psychology-quantitative-research-methods-phd) area is a formalized concentration separate from the other training areas; it requires application directly to that program.

- behavioral neuroscience and comparative psychology
- clinical psychology
- cognitive science
- developmental psychology
- quantitative research methods
- social psychology

Students pursue their graduate studies within one of these six areas, and each area determines the basic curriculum for their graduate program. There is, however, substantial opportunity to integrate courses of study across areas in the department.

Further specialized emphases are available that integrate across programs in the university.

At the core of doctoral training in psychology is an emphasis on the development of skill in research and quantitative methods. Faculty in all six areas are actively engaged in major research programs. These theoretically grounded research programs address the breadth of psychological processes, including evolution and behavior; cognitive processes (e.g., attention, language, memory) as they occur within the context of perception and action, personality and issues of stigma and prejudice; individual resilience; cultural influences on psychological processes; neurobiological and psychosocial processes that underlie behavior and health (e.g., drug abuse, stress, heart disease); prevention of child mental health problems; and lifespan developmental aspects of emotion and cognition.

A unique strength of the Department of Psychology is the wealth of outstanding faculty members whose specialization is quantitative methods. A breadth of courses and experiences in quantitative methods are available that are well integrated into the areas of research that characterize the department and offer students the distinctive opportunity to develop expertise in this critical domain.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 or 4 credit hours)

PSY 502 Professional Issues in Psychology (3) or
PSY 531 Multiple Regression in Psychological Research (4)

Electives and Research (68 or 69 credit hours)

Culminating Experience (12 credit hours)
PSY 799 Dissertation (12)

Additional Curriculum Information
In addition to required coursework pertaining to the training area, students take courses related to their area of interest as determined in consultation with their supervisory committees. Requirements vary across training areas.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- SlideRoom application and fee
- statement of purpose form
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

To apply to the doctoral programs, applicants must follow the instructions on the doctoral program admission instructions and checklist. It is strongly recommended that applicants download and print this form to ensure completion of the application process and include all of the required supplemental forms.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to Department of Psychology doctoral programs is also completed via SlideRoom, to process supplemental application materials. The SlideRoom account requires an additional fee.

Applicants must submit three academic letters of recommendation from faculty members who know the student well. Three letters are required but four letters of recommendation may be submitted.

**Career Opportunities:** Professionals with expertise in research and applications of psychological science are in high demand across multiple career sectors, including academia, education, industry, health care, mental health care, government and in community organizations. Skills in measurement, research, design and analysis of data across areas of psychological science are important in all of these career sectors as are skills in mental health assessment, prevention, treatment and program evaluation.

Career options include:

- consultant
- data scientist-biostatistician
- evaluation program specialist
- licensed clinical psychologist
- psychology professor
- research associate
- research professor
- senior analyst
- staff psychologist
- teaching faculty

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential

licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/admissions/doctoral-admissions/requirements
PSY 201
psychgrad@asu.edu
480-727-4561

## Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)

**Online Degree Search Title:** Psychology (Quantitative Research Methods), PhD
**Campus:** Tempe

**Program Description:** The quantitative research methods concentration of the PhD program in psychology focuses on the broad class of quantitative and methodological issues that arise in the conduct of both basic and applied psychological research.

There are seven core faculty members in the quantitative concentration who, in addition to their quantitative research, collaborate with colleagues in substantive research areas. These collaborations help to support the training of students in quantitative methods against a backdrop of methodological issues associated with the substance of psychological science.

The quantitative concentration program is committed to training the next generation of psychological methodologists who make contributions in developing methods in the areas of measurement, study design and analysis, modeling, and evaluating the utility of new and existing methods in psychological research.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 or 4 credit hours)
PSY 502 Professional Issues in Psychology (3) or
PSY 531 Multiple Regression in Psychological Research (4)

Concentration (3 credit hours)
PSY 533 Structural Equation Modeling (3)

Other Requirements (31 credit hours)
PSY 530 Intermediate Statistics (4)
PSY 532 Analysis of Multivariate Data (3)
PSY 534 Psychometric Methods (3)
PSY 536 Statistical Methods in Prevention Research (3)
PSY 537 Longitudinal Growth Modeling (3)
PSY 538 Advanced Structural Equation Modeling (3)
PSY 539 Multilevel Models for Psychological Research (3)
PSY 540 Missing Data Analysis (3)
PSY 543 Statistical Mediation Analysis (3)
PSY 555 Experimental and Quasi-Experimental Designs for Research (3)

Electives (22 or 23 credit hours)

Research (12 credit hours)

Culminating Experience (12 credit hours)
PSY 799 Dissertation (12)

Additional Curriculum Information
Electives are determined in consultation with the student's supervisory committee.

Other requirements courses may be substituted for other courses based on consultation with the student's supervisory committee.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- SlideRoom application and fee
- statement of purpose form
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

To apply to the doctoral program, applicants must follow the instructions on the Doctoral Program Admissions Instructions and Checklist. It is strongly recommended that applicants download and print the Doctoral Program Admissions Instructions and Checklist to ensure completion of the application process and include all of the required supplemental forms.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to the Department of Psychology doctoral programs is also completed via SlideRoom to process supplemental application materials. The SlideRoom account requires an additional fee.

Applicants must submit three academic letters of recommendation from faculty members who know the student well. Three letters are required but four letters of recommendation may be submitted.

**Career Opportunities:** Quantitative psychologists have expertise in both developing and applying sophisticating statistical and methodological solutions to issues that arise in research. Although the home department is psychology, the skills students develop during the doctoral training span an incredible array of applications, including areas like education, health, neuroscience and marketing.

Graduates from the ASU program are especially prized for their ability to work in interdisciplinary teams and to communicate complex concepts clearly.

Career examples include:

- consultant
- data scientist
- policy analyst
- psychology professor
- psychometrician
- research scientist

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/admissions/doctoral-admissions/requirements
PSY 201
psychgrad@asu.edu
480-727-4561

## Religious Studies, MA (LARELIGMA)

**Online Degree Search Title:** Religious Studies, MA
**Campus:** Tempe

**Program Description:** The faculty in religious studies offer a graduate program leading to the MA in religious studies.

Candidates are offered an opportunity to develop knowledge of various religious traditions in their historical and cultural contexts and to learn research methods. Although students often concentrate upon a single religious tradition for their thesis work, the program provides a broadly comparative understanding of religions, not simply a specialist's training in a single tradition.

**Degree Requirements:**
30 credit hours including the required applied project course (REL 593) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.

Required Core (6 credit hours)
REL 501 The Study of Religion I: Genealogies, Disciplines and Power (3)
REL 502 The Study of Religion II: Epistemology, Practice and Mediation(3)

Electives or Research (18-21 credit hours)

Culminating Experience (3-6 credit hours)
REL 599 Thesis (6) or
REL 593 Applied Project (3)

Additional Curriculum Information
There are two options for the culminating experience: a thesis or an applied project. An oral defense of the final written work is required for both options.

The thesis option is recommended for students intending to seek admission to a doctoral program upon completion of the master's degree or for students who plan to teach in the discipline at community colleges. Thesis students must have reading knowledge of all languages relevant to the proposed thesis topic and take 18 credit hours of electives or research coursework.

The applied project option is recommended for students intending to augment their primary area of expertise and professional training in fields such as counseling, journalism, K-12 education, law, social work and the ministry. The applied project requires submission of three publishable papers: one on theory and method, one on the student's minor area of study, and one on the major area of study. The student's chosen areas of study determine the coursework taken as electives, with applied project students taking 21 credit hours of electives coursework, four courses being in a major area of study and two courses being in a minor area. Reading knowledge of a foreign language relevant to the proposed area of study is required.

The student's plan of study may include up to six credit hours of 400-level coursework or one REL 690: Reading and Conference course with department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Transcripts must show evidence of having completed the equivalent of 15 credit hours of undergraduate work in the study of religions, including advanced courses in both western and Asian or other nonwestern religions. Applicants who have not met this requirement may be required to take additional coursework beyond program requirements to remedy this deficiency.

Applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program. The most competitive applicants have a GPA of 3.50 or higher.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- writing sample
- contact information for three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students are required to submit contact information for three academic references who are qualified to provide detailed, accurate evaluations of the applicant's potential as a graduate student in religious studies. Professors are preferred, particularly faculty advisors. Recommenders are contacted by the Graduate College with a request to complete a reference questionnaire.

The statement of purpose should be approximately 1,000 words and should outline the applicant's academic background, career goals and specific areas of interest in religious studies.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will be able to critique and evaluate classical and contemporary theoretical approaches through the examination and evaluation of supporting literature and data in the academic study of religion.
- Students will be able to develop important research questions through critical analysis of primary and secondary sources.

•Students will engage in original research leading to understanding and explaining developments in religion and their broader impact and to present their findings in a clearly written prospectus proposal and defense.

**Career Opportunities:** The Master of Arts program in religious studies provides students with training and knowledge relevant to careers in government, nongovernmental organizations, nonprofit organizations, global relationships, intercultural understanding, foreign service, researchers, professional writing, community college teaching, journalism and publishing.

Career examples include:

- book editor
- community college instructor
- foreign service employee
- global affairs writer
- nongovernmental organization professional
- nonprofit management

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/degree/graduate/ma-religious-studies--ma
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778

## Religious Studies, PHD (LARELIGPHD)

**Online Degree Search Title:** Religious Studies, PhD
**Campus:** Tempe

**Program Description:** The academic study of religion is a central component of the humanities and has become increasingly recognized as a critical tool in understanding society and politics in a globalized world.

The PhD program in religious studies helps graduate students develop greater expertise regarding the nature and role of religion around the world. The program provides supplementary training that includes history, anthropology, political science, journalism, secondary education and justice studies.

Doctoral focus areas in the study of religion approach the study in a variety of contexts. Specifically offered are areas in:

- anthropology of religion
- global Christianity
- Islam in global contexts
- religion in Asia
- religion in the Americas

**Degree Requirements:**
84 credit hours, foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
REL 501 The Study of Religion I: Genealogies, Disciplines and Power (3)
REL 502 The Study of Religion II: Epistemology, Practice and Mediation (3)

Other Requirement (3 credit hours)
REL 700 Research Methods: Introduction to College Teaching (3)

Electives (51 credit hours)

Research (12 credit hours)
REL 792 Research (12)

Culminating Experience (12 credit hours)
REL 799 Dissertation (12)

Additional Curriculum Information
Students must choose one of the five focus areas that are listed in the program description, and they select courses for the focus area as part of their electives in consultation with their supervisory committee.

As part of electives, students may include up to three credit hours of REL 690 Reading and Conference. Additionally, students may select up to six credit hours of graduate-level courses from a related discipline that support the student's research.

Other requirement course REL 700 may be substituted with approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program may allow up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework will be made up of electives and research.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution. Transcripts must show evidence of having completed the equivalent of 15 credit hours of undergraduate work in the study of religions, including advanced courses in both western and Asian or other nonwestern religions. Applicants who have not met this requirement may be required to take additional coursework beyond program requirements to remedy this deficiency.

Applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.30 (scale is 4.00 = "A") in an applicable master's degree program. The most competitive applicants have a GPA of 3.50 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- writing sample
- contact information for three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The Graduate College requires a minimum TOEFL score of 80 (iBT).

The statement of purpose should be approximately 1,000 words describing the applicant's academic background, the reasons for wishing to pursue a doctorate in religious studies, the proposed area of specialization, and specific research topics the student plans to engage in at Arizona State University.

The writing sample should be a work of original scholarly writing, approximately 15 to 30 pages in length. It should represent the student's best academic writing.

Students are required to submit contact information for three academic references who are qualified to provide detailed, accurate evaluations of the applicant's potential as a graduate student in religious studies. Professors, particularly faculty advisors, are preferred. Recommenders are contacted by the Graduate College with a request to complete a reference questionnaire. Letters of recommendation can be submitted in addition to answering these questions online.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Students will analyze and present theories and methods in the study of religion through in-class discussion, oral presentation and submission of an original written seminar paper.
- •Students will critically analyze religions by formulating research questions, examining various kinds of qualitative data, and drawing connections to relevant secondary literatures.
- •Students will conduct original research through a doctoral study drawing connections to relevant secondary literature, collect and analyze primary data, communicate, and defend responses to research questions.

**Career Opportunities:** Graduates possess training and knowledge relevant to careers in a variety of different roles and in a range of employment sectors. Some typical employers include government agencies, especially the U.S. Department of Health and Human Services; nongovernmental organizations; schools, colleges and universities; charities and nonprofit organizations; social services; and churches and other religious organizations.

Career examples include:

- book editor
- church administrator
- case management director
- foreign service employee
- global affairs writer
- nongovernmental organization professional
- nonprofit manager
- professional researcher and writer
- university instructor

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/degree/graduate/phd-religious-studies--phd
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778

## Renaissance Studies (certificate), Certificate (LARENAISCE)

**Online Degree Search Title:** Renaissance Studies (Graduate Certificate)
**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** In this Renaissance studies certificate program, Renaissance language, early modern language and paleography lay the foundation for the examination of a time that gave the world humanism, the statue of David and more.

**Degree Requirements:**
18 credit hours (MA certificate), or 27 credit hours (PhD certificate).
Renaissance Language:
Master's degree students are required to take one semester of a Renaissance language (three to four credit hours). Doctoral degree students of Medieval/Renaissance Latin, Spanish literature or Portuguese literature are required to take two semesters (six to eight credit hours). This requirement presupposes two years or 12 to 16 credit hours or the equivalent of undergraduate training in Latin.

Proficiency is proven either by achieving a grade of "B" or better (3.00 on a 4.00 scale) in the medieval Latin courses or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies, University of Toronto.

Early modern language at the upper-division level:
Master's degree students are required to take two semesters (six credit hours). Doctoral degree students are required to take three semesters (nine credit hours). Literature or linguistics classes may apply.

Paleography:
Students are required to take one semester (three credit hours).

Coursework outside the major discipline:
Master's degree students are required to take two semesters (six credit hours). Doctoral degree students are required to take three semesters (nine credit hours).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students enrolled in an existing master's degree or doctoral program and in good standing.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- 
- 
- 

**Career Opportunities:** Students completing the certificate program are prepared for advanced study or for academic positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/degrees/graduate
COOR 4432
acmrs@asu.edu
480-965-8097

## Scientific Teaching in Higher Education (certificate), Certificate (LASTHEGRCT)

**Online Degree Search Title:** Scientific Teaching in Higher Education Certificate (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate program in scientific teaching in higher education provides graduate students with the skills and knowledge needed for implementing and evaluating evidence-based teaching at the college level.

As part of the program, students gain experience teaching science in a higher education setting, take teaching-related coursework, and complete a culminating experience under the guidance of a scientific teaching faculty mentor. This culminating experience can be either a significant teaching experience, including the use of evidence-based teaching, or discipline-based education research focused on undergraduate science education.

**Degree Requirements:**
15 credit hours including the required applied project course (BIO 593).
Required Core (2 credit hours)
BIO 530 Scientific Teaching (2)

Electives (10 credit hours)

Culminating Experience (3 credit hours)
BIO 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit the following:
- graduate admissions application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** Professionals with expertise in scientific teaching are in high demand in academia and educational institutions, and the skills and knowledge they obtain in this program are also valuable for careers in federal and state agencies that are responsible for educational policy, in industry, and in nongovernmental organizations.

Career examples include:

- educators in nonprofit organizations and government agencies
- professors or instructors in universities and colleges
- science teachers in elementary and high schools

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/certificate/certificate-scientific-teach-higher-ed
LSA 181
sols.grad@asu.edu
480-965-1768

## Sexuality Studies (Certificate), Certificate (LASXSGRCT)

**Online Degree Search Title:** Sexuality Studies (Graduate Certificate)
**Campus:** Downtown Phoenix, Tempe, West

**Program Description:** The graduate certificate program in sexuality studies addresses the social construction and political economy of sexualities, sexual identities and cultures. This program interrogates heterosexuality and institutionalized heteronormativity and addresses lesbian, gay, bisexual, transgender, queer and two-spirit identities and expressions as well as nonnormative sexual identities that are not captured by LGBTQ categories.

This program allows students the flexibility to work with courses in sexuality studies offered across disciplines and units at ASU. Students gain theoretical and analytic tools to examine gendered and racialized sexual structural inequities and how social issues, economic inequalities and state institutions impact and are impacted by sexuality as a social norm. In addition, coursework allows students to further investigate sexualities in relation to sexual stratification, reproductive rights and justice, sexual health and justice, carceral genders and sexualities, sex work, the state and legal system, and transnational and diasporic formations. The program integrates disciplinary, multidisciplinary and interdisciplinary perspectives.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
SST 604 Sexuality Studies (3)

Electives (12 credit hours)

Additional Curriculum Information
For elective coursework, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a statement of purpose for pursuing the certificate
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The certificate is only open to current ASU degree-seeking students. However, with academic unit and Graduate College approval, up to nine credit hours of ASU nondegree credit may be transferred into the certificate program for those who eventually gain admission into an ASU graduate degree program. This is administered by the graduate certificate committee. Students should refer to the Graduate College policy on certificate

programs.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students in the sexuality studies certificate will be able to analyze how sexuality has been conceptualized and understood as an interdisciplinary category of analysis across the humanities, social sciences and behavioral sciences.
- Students completing the certificate will be able to articulate key theories that have contributed to the development of sexuality studies and their significance.

**Career Opportunities:** Graduates of the program have gone on to careers at universities, research and policy institutes, government organizations and nonprofit organizations.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Social and Cultural Pedagogy, MA (LASCPMA)

**Online Degree Search Title:** Social and Cultural Pedagogy, MA
**Campus:** Tempe

**Program Description:** The MA in social and cultural pedagogy is a two-year program designed for educators with professional experience who seek to develop real-world skills and practical knowledge to help them accomplish specific career goals.

After being equipped with philosophical, theoretical and practical knowledge on social pedagogy, students are able to analyze social structures and cultural dynamics and work with communities to address complex societal problems through the design, implementation and evaluation of socio-educational strategies.

Students have the opportunity to create an individualized path of study that accommodates their personal interests and career goals. Students can also join a vibrant university club (Social and Cultural Pedagogy Graduate Organization), a national organization of scholars and practitioners (Social Pedagogy Association) and an international organization (Global Alliance for Social Pedagogy and Social Education).

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Asian Pacific American Studies, BA
Justice Studies, BA
Justice Studies, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (SST 593).
Required Core (9 credit hours)
JUS 500 Research Methods (3)
SST 501 Foundations of Social Transformation (3)
SST 510 Social and Cultural Pedagogy: Theoretical and Practical Issues (3)

Electives (15 or 18 credit hours)

Culminating Experience (3 or 6 credit hours)
SST 593 Applied Project (3) or
SST 599 Thesis (6)

Additional Curriculum Information
Students who elect to complete the applied project option must take 18 credit hours of elective coursework to reach the required 30 credit hours for

the program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution recognized by ASU.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor' degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency. TOEFL scores are required for applicants whose native language is not English.

Applicants should supply a two- to three-page application letter (writing sample) in which they explain why they want to study in this program and why they feel well prepared to succeed in this graduate program.

The resume should describe prior educational history, related work or volunteer experiences.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Graduates will demonstrate an understanding of key theories and concepts in the field of social and cultural pedagogy in both their written and oral presentation work.
- •Graduates of the program will demonstrate the ability to interpret and conduct quantitative and qualitative research.
- •At the completion of the program, students will demonstrate knowledge of social transformation and social change through an interdisciplinary lens and use an interdisciplinary or multidisciplinary approach to address social and cultural pedagogy issues and solutions in their projects.

**Career Opportunities:** This master's degree enables graduates to contribute to a better future via traditional, nontraditional and nonformal educational settings, including early childhood education programs, schools, youth programs, local governments, nongovernmental organizations, museums, nonprofits, intercultural programs, co-operatives, citizenship education, human rights programs, anti-poverty programs, community development programs, literacy programs, community centers and social movements.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu/
NVS1 310AA
SSTgraduate@asu.edu
480-965-7682

## Social Science Research Methods (Certificate), Certificate (LASSRMGRCT)

**Online Degree Search Title:** Social Science Research Methods (Graduate Certificate)
**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:** Many of the biggest problems today --- from tracking the outbreak of diseases to managing scarce water resources to understanding the impact of new technologies --- require collaboration across the medical sciences, the physical and biological sciences, the social sciences and engineering. ASU's emphasis on collaborative work across disciplines is crucial for understanding these complex problems and to develop solutions.

The interdisciplinary graduate certificate program in social science research methods prepares students to acquire, manage and analyze a broad range of data on human thought and human behavior. Data can be qualitative (e.g., text, images or sound) or quantitative (e.g., direct observation, surveys or geospatial). Data acquisition skills may include the downloading and managing of information from online sources or the primary collection of data in surveys or in direct observation. A key feature of this program is a focus on data analysis, so students and professionals will be able to analyze and interpret any data that they can collect. All students in this program demonstrate skills in statistical analysis as well as a

selection of methods related to their interests.

This program is designed for applicants who hold a minimum of a bachelor's degree from regional, national or internationally accredited institutions, and in any field or discipline (e.g., anthropology, sociology, human development, sustainability, geography, political science or other fields with approval of the academic unit).

**Degree Requirements:**
18 credit hours including the required applied project course (GCU 593).
Required Core (3 or 4 credit hours)
FAS 508 Structural Equation Analysis for the Social Sciences (3) or
SOC 508 Structural Equation Analysis for the Social Sciences (3) or
STP 530 Applied Regression Analysis (3) or
STP 531 Applied Analysis of Variance (3) or
STP 533 Applied Multivariate Analysis (3) or
PSY 531 Multiple Regression in Psychological Research (4)

Electives or Research (11 or 12 credit hours)

Culminating Experience (3 credit hours)
GCU 593 Applied Project (3)

Additional Curriculum Information
Students select one of the multivariate data analysis core courses for a total of three or four credit hours.

Students select four elective and research methods courses for a total of 11 or 12 credit hours in consultation with the program directors. The program recognizes that other graduate-level courses on research methods are offered at ASU. Advanced courses on methods are often taught in omnibus courses, courses that have rotating content and whose content is not reflected in their titles. Students may include these courses in their certificate curriculum with approval of the program directors.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a field such as human development, sustainability, geography or political science. Other subject areas may be accepted with approval from the academic unit.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must have completed an introductory statistics course before admission to the program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of interest
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Examples of introductory statistics courses include:
CRJ 504 Statistical Tools for Criminology and Criminal Justice
NUR 617 Foundational Concepts in Science and Statistics
POS 603 Polimetrics I
STP 530 Applied Regression Analysis
or equivalent with approval of the academic unit

A statement of interest should include how the certificate program will enhance the applicant's graduate studies or professional work.

**Career Opportunities:** Professionals with expertise in social science research are in high demand across sectors and industries, including consulting firms, government agencies and community organizations. Skills in data acquisition, management and analysis are valuable to

businesses and institutions relying on data-driven strategies in an interdisciplinary and collaborative marketplace.

Career examples include:

- data analyst
- economist
- field researcher
- human behavior researcher
- social science research assistant
- statistician

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://issr.asu.edu
COOR 5544
sgsup.gradprograms@asu.edu
480-965-5005

## Social Transformation Certificate, Certificate (LASOTGRCT)

**Online Degree Search Title:** Social Transformation (Graduate Certificate)
**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:** The graduate certificate program in social transformation is designed for graduate and postbaccalaureate students interested in how change is catalyzed by social movements, protest, law, social entrepreneurship, activism and community organizing. Through the exploration of theories and research related to social change, students are able to augment their disciplinary degrees and are prepared to contribute as leaders and change-makers in their communities.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
SST 501 Foundations of Social Transformation (3)

Electives (12 credit hours)

Additional Curriculum Information
The electives taken are selected with the faculty advisor, who helps ensure they have a common theme and that students' experiences in the courses align with the learning goals outlined for the certificate.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students must submit a statement of purpose to the School of Social Transformation that is no longer than 250 words. The statement should indicate any demonstrated interest in the study of social transformation (e.g., previous coursework, professional experience, internships, career plans).

Applicants must meet the above criteria as judged by the School of Social Transformation graduate committee to have strong academic credentials, undergraduate or graduate GPA, as well as demonstrated interest in the area of social transformation. The committee reviews applications for the certificate program in the fall and spring semesters of each year and makes its admission recommendations to Graduate Admission Services.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Demonstrate knowledge of social theory, concepts and research methods to understand social change issues and analyze solutions to social problems.
- •Apply the foundations and principles of social change theory and research to specific domestic or international issues through advanced research.

**Career Opportunities:** Certificate graduates may go on to law school, graduate school or other professional degree programs. Potential career options include working as community organizers, youth and community advocates, community-based researchers and social justice consultants.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTgraduate@asu.edu
480-965-7682

## Socio-Economic Justice (certificate), Certificate (LAECJUGRCT)

**Online Degree Search Title:** Socio-Economic Justice (Graduate Certificate)
**Campus:** Tempe

**Program Description:** This transdisciplinary graduate certificate in socioeconomic justice develops expertise in ideas and policies about the social and political phenomena that impact the material condition of injustices.

Students will investigate the local and global conditions that give rise to economic and ecological precarities and social inequalities as well as the practices that enable alternative economic approaches to wealth and labor, including wealth sharing, land and food sovereignty and solidarity economy. The program fuses interests in political economy, structural inequalities and economic justice, allowing students to development specialization and expertise in research and policy design in broad areas such as wealth sharing, income and land distribution, housing, food justice, employment and education.

This program complements the current graduate curriculum at ASU. It is structured to allow students to draw upon a combination of core courses in justice and social inquiry and coursework from units in the School of Social Transformation as well as throughout the university. The approach is transdisciplinary (i.e., inclusive of courses in a variety of disciplines but transcending disciplinary boundaries through an integrative core curriculum), intersectional (i.e., considering gender, race, class, disability, nation and sexual relations) and transnational (courses that examine global and local concerns). It is designed to deepen knowledge about and develop research familiarity with the many facets of the global economy and its adverse effects on social and planetary justice.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
Students must select one course from each of the following two areas of study:
Economic Justice (3 credit hours)
JUS 550 Gender, Race and Economic Justice (3) or
JUS 660 Globalization and Economic Justice (3)Conducting Research in Communities (3 credit hours)
JHR 525 Critical Methodologies in Social Justice and Human Rights (3) or
JUS 633 Community Research (3)
Electives (9 credit hours)

Additional Curriculum Information
Students must select three elective courses on socioeconomic justice from a restricted list, and they should see the academic unit for the full list of possible courses.

Only one 400-level course may be listed on the plan of study. Students must have prior approval from the director of the certificate program for use of any 400-level course.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- at least one letter of recommendation
- statement of purpose for pursuing the certificate
- writing sample demonstrating excellent writing and analytical skills
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The letter of recommendation, statement of purpose and writing sample should be submitted to the justice and social inquiry program office.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students completing the graduate certificate in socioeconomic justice will demonstrate the ability to conduct systematic analyses (quantitative and qualitative) of the social and political dimensions of global and local economics and their implications for social justice.
- Students completing the graduate certificate in socioeconomic justice will demonstrate knowledge of socio-economic and intersectional dimensions of justice, in relation to public policies at the local, national and global level.

**Career Opportunities:** Graduates of this program are prepared to work in government, law, justice-related organizations, and research think tanks, teach at community colleges, and pursue further graduate studies in justice related fields.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTgraduate@asu.edu
480-965-7682

## Sociology, MA (LASOCMA)

**Online Degree Search Title:** Sociology, MA
**Campus:** Online

**Program Description:** The MA program in sociology provides advanced training for those preparing for applied careers in sociology.

Students gain knowledge and skills that can be used to promote healthy individuals and families. They develop an understanding of how social context influences well-being and an understanding of the factors that promote successful relationships and positive outcomes.

The online format provides easy access to rigorous and valuable information that informs best practices in improving the lives of individuals, families and communities. The program also includes a customizable culminating experience that allows students to focus their training in their areas of interest and work.

**Degree Requirements:**
30 credit hours including the required capstone course (SOC 588).
Required Core (9 credit hours)
SOC 585 Sociological Theory (3)
SOC 586 Capstone I or FAS 586 Capstone I (3)
SOC 587 Capstone II or FAS 587 Capstone II (3)

Electives (12 credit hours)

Other Requirements (6 credit hours)
SOC 500 Research Methods (3)
SOC 501 Social Statistics (3)

Culminating Experience (3 credit hours)
SOC 588 Capstone III (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

SOC 500 and SOC 501 may be replaced by equivalent courses with approval by the academic advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- current resume or curriculum vitae
- a personal statement of goals relevant to the master's degree program
- two letters of recommendation from academic or professional backgrounds
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement must be four to five pages long, double-spaced, and it should address the applicant's professional goals, their strengths for success in the program, and any relevant professional experience or responsibilities they have been completed.

Letters of recommendation must be from at least two individuals with a professional or academic background and connection to the applicant. Family members and friends do not meet this criterion. Letters of recommendation are to be received electronically.

Applicants should see the program website for application deadlines and admission terms.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-sociology/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with expertise in research methodologies and data analysis coupled with an understanding of social and cultural issues and social change are sought-after in areas like human services, human resources, education, public policy and community service in the social service, business and nonprofit sectors.

Career examples include:

- case managers
- mediators
- mental health counselors
- probation officers
- social and community service managers
- sociologists
- sociology instructors
- social workers
- urban and regional planners

**Contact Information:**
Liberal Arts and Sciences, The College of

Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/degree/graduate/ma-sociology--ma
SS 144
graduatesanford@asu.edu
480-965-6875

## Sociology, PHD (LASOCPHD)

**Online Degree Search Title:** Sociology, PhD
**Campus:** Tempe
Admission standards for this program are changing for Fall 2024 applicants. Interested students should contact the department (https://degrees.apps.asu.edu/masters-phd/major/ASU00/LASOCPHD/sociology-phd#contact) for more information.
**Program Description:** The PhD program in sociology provides advanced training in theory, research methodology and substantive fields to prepare sociologists for teaching and research with special emphasis on family, medical sociology and demography.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
SOC 603 Perspectives in Sociological Inquiry (3)
SOC 685 Applied Social Theory (3)

Theory (3 credit hours)

Methods (3 credit hours)

Statistics (3 credit hours)

Elective and Research (57 credit hours)

Culminating Experience (12 credit hours)
SOC 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's department and the Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used toward this degree.

A minimum of 30 credit hours of the approved doctoral program, exclusive of dissertation and research hours, must be completed after admission to the program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree in sociology or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- personal statement detailing professional goals and research experiences
- writing sample
- three letters of recommendation from persons familiar with the applicant's academic background
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

A personal statement is required. It must be three pages or less, double-spaced, and it must address the applicant's professional goals and reasons for desiring to enroll in the program; describe strengths that will help the student succeed in the program and reach professional goals; describe research experience (a description of the master's thesis should be included, if applicable) and relevant responsibilities held; indicate personal research interests as specifically as possible; and include any additional information that will help the committee to evaluate the application.

Three letters of recommendation are required, including at least one from an instructor at the applicant's institution where graduate work was completed and at least one from an instructor at the applicant's institution where undergraduate or graduate work was completed. These letters

should be from people who know the applicant as a student or in a professional capacity. Letters from family members or friends do not meet this criterion.

Students should see the program website for application deadlines.

**Career Opportunities:** Professionals with expertise in research methodologies and data analysis as well as an understanding of cultural and social change, various social issues and phenomena are sought-after in many areas, including human services, business, education, public policy, and community service and nonprofit sectors.

Career examples include:

- demographers
- mediators
- research professionals
- social and community service managers
- sociologists
- sociology instructors
- urban and regional planners

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/degree/graduate/phd-sociology
SS 144
graduatesanford@asu.edu
480-965-6875

## Spanish, MA (LASPANMA)

**Online Degree Search Title:** Spanish, MA
**Campus:** Tempe

**Program Description:** The MA program in Spanish includes tracks in literature and culture and in linguistics. While the former includes Spanish, Spanish American and Mexican American literature and culture, the latter includes sociolinguistics or second language acquisition and applied linguistics.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Spanish, BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio.
Required Core (3 credit hours)
SPA 540 History of the Spanish Language (3)

Culminating Experience
portfolio

Additional Curriculum Information
Students seeking a master's degree in Spanish should consult with the respective graduate representative.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants should provide an academic writing sample such as an academic term paper, critical paper or research paper approximately 10 to 25 pages, prepared in an upper-division or graduate Spanish course.

Applicants should provide a personal statement that is no more than two pages, summarizing past educational experiences and goals in pursuing a graduate degree.

**Career Opportunities:** Professionals with this degree can confidently move into further academic, business and international fields. Skills developed through this program are valued for teaching positions, including in museums and libraries; translation work; work in a larger sector such as governmental, diplomatic and international business; and for careers in publishing, media, nonprofits and international relations.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/ma-spanish--ma
DH 318
silc@asu.edu
480-965-6281

## Spanish, PHD (LASPANPHD)

**Online Degree Search Title:** Spanish, PhD
**Campus:** Tempe

**Program Description:** The PhD program in Spanish consists of two specializations: Spanish literature and culture.

The specializations in Spanish literature and cultural studies, which are intended to be as flexible as possible, establish broad areas of competence through an individualized program of study set with the supportive guidance of the student's advisor.

Graduate courses in literature and cultural studies focus on the production, distribution and reception of texts and their linguistics, either written or visual (e.g., photographs, films, visual narratives), and their linguistic, rhetorical and literary structure and functions, with an emphasis on literary theories and aesthetics. Many literature courses explore issues relating to gender, class, race, ethnicity, globalization, environmental humanities, disability theories, post-human theories and digital humanities.

**Degree Requirements:**
84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
SPA 545 Concepts of Literary Criticism (3)

Literature and Culture Electives (51 credit hours)

Electives (6 credit hours)

Research (12 credit hours)

SPA 792 Research (12)

Culminating Experience (12 credit hours)
SPA 799 Dissertation (12)

Additional Curriculum Information
Coursework for the literature and culture electives must be SPA literature or culture content courses and approved by the student's supervisory committee. Students may not use SPA 596 Second Language Methodologies towards this requirement.

Each candidate is expected to demonstrate a reading knowledge of one language other than English and Spanish. This language requirement must be satisfied before the candidate is eligible to take the comprehensive examination.

The written and oral comprehensive examination, designed to ascertain the candidate's knowledge and orientation in the field of study and competency to proceed with the dissertation, is required at or near the end of coursework.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish or equivalent from a regionally accredited institution. Applicants from other academic backgrounds with relevant coursework in Spanish language and cultural studies also may be evaluated by the admissions committee.

Applicants must have a minimum cumulative GPA of 3.75 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.75 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- writing sample
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

It is recommended but not required that students applying for admission to the program submit GRE scores; this is especially advisable for applicants for the Spanish Graduate Fellowship Award.

Candidates for the program are required to demonstrate a near-native oral proficiency in Spanish and to show that they have developed a high order of expository prose in English and Spanish by presenting a term paper or a chapter of the master's degree thesis as their writing sample.

**Career Opportunities:** Professionals with this degree can confidently move into the academic profession, careers in education, including in museums and libraries, and professions outside academia such as in the publishing industry, media, nonprofits and international relations. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- editors
- foreign language and literature teachers and professors
- instructional design coordinators
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures

https://silc.asu.edu/degree/graduate/phd-spanish--phd
DH 318
silc@asu.edu
480-965-6281

## Spanish Language Pedagogy (certificate), Certificate (LASPAPGRCT)

**Online Degree Search Title:** Spanish Language Pedagogy (Graduate Certificate)
**Campus:** Tempe

**Program Description:** Through graduate coursework, the certificate program in Spanish language pedagogy enables practicing teachers and graduate students to understand the process of Spanish language acquisition and learn cutting-edge teaching methodologies in order to make sound pedagogical decisions that lead to effective teaching and learning.

Students gain competence in designing effective and engaging Spanish language lessons for their students and learn to be sensitive to the needs of students with diverse linguistic and cultural backgrounds, such as heritage learners. Students learn to design accurate assessment measurements, writing assignments and culture-based lessons as well as utilize modern technologies to enhance Spanish language education.

**Degree Requirements:**
18 credit hours and a portfolio.
Required Core (3 credit hours)
SPA 596 Second Language Methodologies (3)

Other Requirements (9 credit hours)
SPA 543 Structure of Spanish (3)
SPA 546 Heritage Language Pedagogy (3)
SPA 598 ST: Spanish Second Language Acquisition (3)

Electives (6 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
For courses listed as other requirements, alternative courses may be used with approval of the certificate codirectors.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish, Spanish literature and culture, Spanish linguistics, applied linguistics, second language acquisition and teaching, or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Career Opportunities:** Professionals with this certificate can confidently move into academic, business and international fields. Skills developed through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- area, ethnic and cultural studies teachers and professors
- editors

- foreign language and literature teachers and professors
- historians
- instructional coordinators
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/certificate-spanish-lng-pedagogy
DH 318
SILC@asu.edu
480-965-6281

## Spanish Linguistics, PHD (LASPALIPHD)

**Online Degree Search Title:** Spanish Linguistics, PhD
**Campus:** Tempe

**Program Description:** The PhD program in Spanish linguistics offers advanced interdisciplinary graduate training that combines key areas in second language acquisition and teaching, applied linguistics, heritage language research and pedagogy, sociolinguistics and bilingualism with the supportive guidance of the student's advisor that best prepares the candidate for a productive career in the discipline of Hispanic studies.

**Degree Requirements:**
84 credit hours, a foreign language exam, a written comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
SPA 543 Structure of Spanish (3)

Track (9 credit hours)

Electives or Research (41 credit hours)

Other Requirements (19 credit hours)
COE 502 Introduction to Data Analysis (3)
GRD 791 Seminar: Preparing Future Faculty and Scholars (PFx) (1)
SPA 544 Spanish Phonology (3)
SPA 546 Heritage Language Pedagogy (3)
SPA 598 Topic: Research Methods for Linguists (3)
SPA 598 Topic: Sociolinguistics (3)
SPA 598 Topic: Spanish Second Language Acquisition (3)

Culminating Experience (12 credit hours)
SPA 799 Dissertation (12)

Additional Curriculum Information
Students choose a track from two available: in Spanish heritage studies and sociolinguistics, or in second language acquisition and teaching. Students should see the academic unit for the approved course list for each track.

Each candidate is expected to demonstrate a reading knowledge of one language other than English and Spanish. This language requirement must be satisfied before the candidate is eligible to take the comprehensive examination.

Other requirements courses may be substituted with approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used toward this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework is made up of electives or research to reach the required 84 credit hours.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.75 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.75 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Career Opportunities:** The doctoral program in Spanish linguistics prepares students for entrance into an academic profession (teacher, scholar) as well as for a profession outside of academia. Professionals with the valued skills developed through this degree program can confidently move into business, diplomatic, government and international fields.

Career examples include:

- editors
- foreign language and linguistics teachers and professors
- instructional design coordinators
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers
- teachers and professors of area, ethnic and cultural studies

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/phd-spanish-linguistics
DH 318
silc@asu.edu
480-965-6281

## Statistics, MS (GCSTATMS)

**Online Degree Search Title:** Statistics, MS
**Campus:** Tempe
Spring semester admission is limited to students in the accelerated master's program.
**Program Description:** The MS program in statistics draws upon a wide spectrum of faculty research and teaching interests, including from faculty outside of the school. As a result, plans of study can be transdisciplinary and tailored to reflect students' individual needs and goals.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Mathematics (Statistics), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a portfolio - Professional Track, or 30 credit hours including a thesis - Academic Track, or 30 credit hours including the required applied project course (STP 593) - Academic Track, or 30 credit hours, a written comprehensive exam and an oral comprehensive exam - Academic Track.
Required Core (3 credit hours)
ECN 525 Applied Regression Models (3) or
IEE 578 Regression Analysis (3) or
STP 530 Applied Regression Analysis (3)

Track Coursework (9 or 12 credit hours)

Electives (9-18 credit hours)

Culminating Experience (0-6 credit hours)
ECN 599 or IEE 599 or STP 599 Thesis (6)
STP 593 Applied Project (3)
oral and written comprehensive exam (0)
portfolio (0)

Additional Curriculum Information
Students in the Masters of Science program in statistics are required to select one of the two available tracks: the academic track or the professional track. Students should speak with their advisor in regards to the selection of a track and elective coursework based on the target career.

Students in the professional track complete the portfolio culminating experience and students in the academic track choose from an applied project, thesis or comprehensive exams.

Prerequisites may not be used to complete the 30 credit hours required for the degree.

If a student selects the thesis or applied project options, they must be defended at an oral examination. The thesis must conform to the Graduate College format requirements.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, statistics or a closely related area from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- three letters of recommendation
- proof of English proficiency

Additional Curriculum Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants should have completed the following courses (equivalents at ASU are given in parentheses) and applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission:

- advanced calculus (MAT 371)
- calculus (MAT 270, MAT 271 and MAT 272)
- computer programming (CSE 100)
- introductory statistics (STP 420)
- linear algebra (MAT 342)

**Career Opportunities:** Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market.

Graduates with a master's degree in statistics can pursue a broad variety of careers in fields as diverse as business, finance, engineering, technology, education, marketing, government and other areas of the economy. These are just a few of the top career opportunities:

- actuary
- business consultant or analyst
- data scientist
- financial analyst
- market research analyst
- software engineer
- statistician

This program also provides preparation for students interested in doctoral study and a faculty-track academic career.

**Contact Information:**

Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/degrees/graduate
WXLR A213
grad.math@asu.edu
480-965-3951

## Statistics, PHD (LASTPPHD)

**Online Degree Search Title:** Statistics, PhD
**Campus:** Tempe

**Program Description:** As a science, statistics focuses on data collection and data analysis by using theoretical, applied and computational tools. The PhD program in statistics reflects this breadth in tools and considerations while allowing students sufficient flexibility to tailor their program of study to reflect individual interests and goals. Research can be of a disciplinary or transdisciplinary nature.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
STP 526 Theory of Statistical Linear Models (3)

Other Requirements (15 credit hours)
IEE 572 Design Engineering Experiments (3) or STP 531 Applied Analysis of Variance (3)
IEE 578 Regression Analysis (3) or STP 530 Applied Regression Analysis (3)
STP 501 Theory of Statistics I: Distribution Theory 3 (3)
STP 502 Theory of Statistics II: Inference (3)
STP 527 Statistical Large Sample Theory (3)

Electives (42 credit hours)

Research (12 credit hours)
STP 792 Research (12)

Culminating Experience (12 credit hours)
STP 799 Dissertation (12)

Additional Curriculum Information
Electives are to be chosen from statistics or related area courses approved by the student's supervisory committee.

Other requirements courses may be substituted with department approval.

Students must pass:

- one qualifying examination and coursework in analysis
- a written comprehensive examination
- a dissertation prospectus defense

Students should see the department website for examination information.

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, statistics or a closely related area, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Completion of the following courses (equivalents at ASU are given in parentheses) is required. Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission.

- calculus (MAT 270, 271 and 272)
- advanced calculus (MAT 371)
- linear algebra (MAT 342)
- computer programming (CSE 100)
- introductory applied statistics (STP 420)

**Career Opportunities:** Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. Data and the analysis of data is big business, and the Department of Labor projects overall employment of mathematicians and statisticians is projected to grow 33% between 2020 and 2030, much faster than the average for all occupations.

For graduates of the doctorate in statistics, that means a broad variety of career opportunities in fields as diverse as business, finance, engineering, technology, education, marketing, government and other areas of the economy.

These are just a few of the top career opportunities available for a graduate with a doctoral degree in statistics:

- actuary
- business consultant or analyst
- data science professor, instructor or researcher
- data scientist
- faculty-track academic
- financial analyst
- market research analyst
- software engineer
- statistician

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/degrees/graduate
WXLR A213
grad.math@asu.edu
480-965-3951

## Statistics and Data Science (Graduate Certificate) (Certificate), Certificate (GCSTATCE)

**Online Degree Search Title:** Statistics and Data Science (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The statistics certificate program provides statistical training for graduate students at ASU and working professionals in the Phoenix metropolitan area.

The program draws upon a variety of faculty research and teaching interests from various academic units so programs of study can be tailored to reflect individual needs and goals.

This certificate program is part of the shift in the School of Mathematical and Statistical Sciences' statistics curriculum to include data science coursework. In particular, there are several new machine learning classes that are available to certificate students.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
STP 530 Applied Regression Analysis (3) (or ECN 525 or IEE 578)
STP 531 Applied Analysis of Variance (3) (or IEE 572)

Electives (9 credit hours)

Additional Curriculum Information
The nine elective credits are taken from a set of courses approved by the School of Mathematical and Statistical Sciences.

Students must have a GPA of at least 3.00 (scale is 4.00 = "A") in the courses which apply to the certificate.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants should have completed the following courses (equivalents at ASU are given in parentheses):
- introductory applied statistics (ECN 221, STP 226 or STP 420)
- one semester of calculus (MAT 210, MAT 265 or MAT 270)

Applicants are also required to have some computer literacy with knowledge of a programming language, a spreadsheet program or a statistical software program.

**Career Opportunities:** Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market.

Graduates have knowledge that may be applied in a broad variety of career opportunities in fields as diverse as business, finance, engineering, technology, education, marketing, government and other areas of the economy. These are just a few of the top career opportunities supported by the statistics certificate program:

- business consultant or analyst
- data analyst
- financial analyst
- market research analyst
- statistician

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/degrees/graduate
WXLR A216
grad.math@asu.edu
480-965-3951

## Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)

**Online Degree Search Title:** Teaching English to Speakers of Other Languages, MTESOL
**Campus:** Tempe, Online

**Program Description:** The MTESOL program is for individuals who desire to build a career in the international field of teaching English as a second or additional language. Students develop scholarly and professional knowledge and skills in four main areas that are central to Teaching English to Speakers of Other Languages: language, learning, teaching and research.

Students have opportunities to study a variety of key topics, including second language acquisition, computer-assisted language learning, critical pedagogy, curriculum design, World Englishes, English as an international language, English for specific purposes, English grammar, grammar for TESOL, intercultural rhetoric, discourse analysis, interlanguage pragmatics, language and identity, language testing and assessment, learning transfer, materials development, nonnative English speakers in TESOL, second language phonology and second language writing.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English (Linguistics), BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required capstone course (LIN 597) and a foreign language exam.
Required Core (12 credit hours)
LIN 501 Approaches to Research (3)
LIN 510 Linguistics (3)
LIN 520 Second-Language Acquisition Theories (3)
LIN 521 Methods of Teaching English as a Second Language (3)

Other Requirement (3 credit hours)
LIN 584 Internship (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)
LIN 597 Capstone (3)

Additional Curriculum Information
The foreign language requirement must be completed during the program prior to the master's degree being awarded.

The capstone is overseen by a director chosen from the Department of English linguistics and TESOL faculty.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants may have undergraduate majors in the following fields, but are not limited to these: anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, education, English literature, history and law.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00= "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Students should see the Department of English website (https://english.asu.edu/admission/graduate-admission/how-to-apply/information-international-students) for specific details about English proficiency requirements.

The one-page, single-spaced statement of purpose should explain how the master's degree program fits with the applicant's long-term goals.

Letters of recommendation should provide a clear picture of the applicant's potential for successfully completing a master's degree. At least some of the letters should be from university professors who are familiar with the applicant's academic work and with master' level academic programs.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-teaching-english-speakers-other-languages/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Synthesize and apply theories, research, and key concepts in second language learning and development.

•Evaluate and apply theories, key concepts, methods, and materials in second language teaching.
•Apply theories and pedagogical knowledge to evaluate and create real-world teaching, materials development, or related professional practices in TESOL.

**Career Opportunities:** Language professionals with training and expertise in TESOL remain in high demand in the U.S. and abroad. TESOL-related skills are valuable in businesses and institutions and to individuals of a wide range of linguistic and cultural contexts who rely on the ability to learn, teach and communicate effectively in a globally connected world.

Career examples include:

- adult education teacher
- consultant
- English language or foreign language teacher
- international aid worker
- materials designer or developer
- program and curriculum developer
- refugee English coordinator
- subtitler
- teacher trainer
- translator or interpreter

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/admission/graduate-admission/masters-degree-teaching-english-speakers-other-languages-tesol
RBHL 170
enggrad@asu.edu
480-727-3135

## Transborder Studies, MAS (LATCLMAS)

**Online Degree Search Title:** Transborder Studies, MAS
**Campus:** Tempe

**Program Description:** The MAS program in transborder studies is designed for students interested in border issues and communities. Students learn from interdisciplinary scholars, both in the social sciences and humanities, in order to develop their individualized plan of study and focus area.

Students have the opportunity to engage in innovative research or applied experiences or they may focus their plan of study on a more professional and applied track.

The program has historically been grounded in and inspired by the geographical specificity of the U.S.-Mexico border. Given the massive scale of globalization in the 21st century and its influence on local, regional, national, subnational and international environments, the program examines transborder regions and populations around the world, including metaphorical, linguistic and cultural borders, as well as patterns and implications of immigration and migration.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA
Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA
Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (TSS 593), or 30 credit hours including the required capstone course (TSS 596).
Required Core (6 credit hours)
TSS 502 Foundations of Transborder Studies (3)
TSS 504 Theories and Methods for Transborder Research (3)

Electives (18 or 21 credit hours)
Culminating Experience (3 or 6 credit hours)
TSS 593 Applied Project (3) or
TSS 596 Transborder Studies Capstone (3) or
TSS 599 Thesis (6)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the social sciences, humanities, sciences, health, education, business or professional field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letter of recommendation (colleagues or professors)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. For more information, students should visit the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

**Career Opportunities:** Graduates are well suited to positions in local, state, national, nongovernmental organizations and international agencies. They also are well prepared for pursuit of research opportunities or a doctoral degree.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Transborder Studies
https://sts.asu.edu/degree/graduate/mas-transborder-studies
INTDSB 165
sts.grad@asu.edu
480-965-5091

## Transborder Studies, PHD (LATCLPHD)

**Online Degree Search Title:** Transborder Studies, PhD
**Campus:** Tempe

**Program Description:** The PhD program in transborder studies develops the next generation of superior research, scholarship and application in transborder and transnational contexts.

Students gain foundational knowledge in transborder, transnational and border issues from interdisciplinary scholars in anthropology, history, literature, political science, public policy, sociology, urban planning, and women and gender studies.

Faculty in the program approach transborder studies in a way that has been historically grounded in and inspired by the geographical specificity of the U.S.-Mexico border and the Chicano, Chicana, Latino and Latina populations. Arizona State University's proximity to the U.S.-Mexico border and the faculty's expertise make the university the ideal place of study. Given the massive scale of globalization in the 21st century and its influence on local, regional, national and transnational environments, the program is expanding to examine other transborder regions and populations.

**Degree Requirements:**
84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
TSS 502 Foundations of Transborder Studies (3)
TSS 503 Epistemologies and Transborder Thought (3) or TSS 504 Theories and Methods for Transborder Research (3)

Electives and Research (66 credit hours)

Dissertation (12 credit hours)
TSS 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not already have a master's degree in a related field, then the remaining 30 credit hours are made up of electives and research that equal the 84 credit hours required for the doctoral program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree in a related field such as anthropology, economics, education, sociology, literature or psychology from a regionally accredited institution. Applicants who have earned a master's degree in another discipline must align their scholarly interests with the program's mission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letters of recommendation (from academicians)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

The personal statement should include an explanation of past experiences and current scholarly interests but concentrate on potential areas of research that draw upon the specific resources of the department and faculty.

**Career Opportunities:** Depending on the plan of study, students may focus on a trajectory in academia with career options as faculty or in research positions. Students who wish to pursue career options outside of academia may focus the plan of study on a more professional and applied track with potential interest in local, state, national or international agencies.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Transborder Studies
https://sts.asu.edu/degree/graduate/phd-transborder-studies-phd
INTDSB 165
sts.grad@asu.edu
480-965-5091

## Transdisciplinary Transportation Studies (certificate), Certificate (GCTRANSCE)

**Online Degree Search Title:** Transdisciplinary Transportation Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** Transportation has emerged as one of the highest priority issues for policymakers, planners, employers and citizens.

To respond to this challenge, the transdisciplinary transportation studies certificate program builds upon existing ASU programs in a variety of disciplines offered in five colleges and two campuses, giving ASU graduate students and current and future transportation professionals the opportunity to pursue a wide range of transportation-related issues from a multimodal, interdisciplinary perspective.

Students collaborate with researchers and professionals across academic disciplines (these include policy, planning, economics, technology, behavior, location, land use, equity and sustainability) who employ different research methods and are focused on transport modes that range from walking to air travel.

The program is intended to be either a specialization within an existing master's degree or a stand-alone nondegree program.

ASU is a transdisciplinary hub for innovative and integrative transportation research and education. This work contributes to the development of smart, sustainable and socially equitable transportation systems. These systems leverage technology to foster resilient communities and high quality of life, locally and globally.

**Degree Requirements:**

16 credit hours including the required applied project course (PUP 593).
Required Core (3 credit hours)
PUP 564 Transportation Systems Professional Seminar (3)

Transportation Electives (9 credit hours)

Other Requirement (1 credit hour)
CEE 591 Interdisciplinary Transportation Seminar (1)

Culminating Experience (3 credit hours)
PUP 593 Applied Project (3)

Additional Curriculum Information
Students take three credit hours from each category for a total of nine credit hours to fulfill the transportation elective requirement.

- from any school in The College of Liberal Arts and Sciences
- from a college outside of The College of Liberal Arts and Sciences
- from subject prefixes CEE, GIS, GPH, PAF, PUP, SOS

Elective coursework is taken in consultation with the academic advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of interest
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants who wish to seek a graduate degree in any of the cooperating departments and who are not currently enrolled at ASU must complete the full graduate school application process as specified by the department of interest in addition to the online application for the transdisciplinary transportation studies certificate. The applications are evaluated independent of each other.

Applicants are asked to explain in their letter of interest what they expect to gain from the transportation studies certificate program and the types of courses in the program that would be the most helpful in meeting their objective.

**Career Opportunities:** Professionals with expertise in transportation systems are in high demand across sectors and industries, including consulting firms, government agencies and community organizations. Skills in the analysis of transportation alternatives and interrelationships with other disciplines are valuable to businesses and institutions relying on an integrated systems approach to solving complex real-world problems.

Career examples include:

- airfield operations specialist
- logistics analyst
- supply chain manager
- transportation analyst
- transportation engineer
- transportation planner

**Contact Information:**

Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/graduate/certificate-trnsdisc-transport-studycert
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Translation Studies (Certificate), Certificate (LALTSGRCT)

**Online Degree Search Title:** Translation Studies (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate in translation studies is a transdisciplinary program offering coursework that intensively engages with translation practice, issues related to the cultural role of the translator and translation, studies of the variety of theoretical approaches to translation, and studies of transhistorical and cross-cultural theories of translation. These areas of emphasis enable students to gain expertise in practical and theoretical knowledge of the field of literary and practical (commercial) translation and to engage in developing new models for the practice of translation today.

The program offers interested students the opportunity to develop an understanding of intercultural intersections and transdisciplinary approaches to the practice of translation and advanced training and mentorship.

**Degree Requirements:**
15 credit hours including the required applied project course (ENG 593 or SLC 593).
Required Core (6 credit hours)
ENG 550 Translation (3)
SLC 551 Global Approaches to Translation (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
ENG 593 Applied Project (3) or SLC 593 Applied Project (3)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- writing sample
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the U.S. on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The personal statement should be no more than two pages and should summarize past educational experiences and goals in pursuing a graduate certificate.

Applicants should have knowledge of a language other than English, a minimum of six semesters of a second language, or the equivalent (for example, advanced placement in high school). Applicants who have passed a language proficiency exam achieving an advanced level in the target language may also apply.

**Career Opportunities:** Professionals with this certificate can confidently move into academic, business and international fields. Skills developed

through this program are valued for teaching positions, translation work or work in a larger sector such as governmental, diplomatic and international business career opportunities.

Career examples include:

- archivists
- editors
- foreign language and literature teachers and professors
- historians
- interpreters and translators
- lawyers
- reporters and correspondents
- social and community service managers

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/graduate/certificate-translation-studies
DH 318
silc@asu.edu
480-965-6281

## Urban and Environmental Planning, MUEP (ARURBMUEP)

**Online Degree Search Title:** Urban and Environmental Planning, MUEP
**Campus:** Tempe

**Program Description:** The MUEP program prepares students to help solve complex social, economic and environmental issues and create healthier, safer and more vibrant communities. It emphasizes theories of planning, methods of analysis, effective public engagement, planning processes and creative implementation of planning tools, strategies and approaches. The program is accredited by the Planning Accreditation Board. Students who join the program are eligible for certification by the American Institute of Certified Planners after two years of professional practice.

The Master of Urban and Environmental Planning program offers a unique opportunity to integrate urban and environmental aspects of planning in a rapidly developing metropolitan area. Small classes, one-on-one advising and a common core of courses that translate knowledge into practice provide students opportunities to build technical skills and grow their professional network.

As a part of the School of Geographical Sciences and Urban Planning, the program is enriched by school faculty whose research and teaching are grounded in geography, GIS, and meteorology and climatology. Students have access to a wide selection of electives within the school, electives that explore issues such as population and migration, environmental and landscape dynamics, and urban climate systems. The program is also complemented by the participation of faculty from other disciplines within the university and collaboration with leading planning practitioners in the Phoenix area.

Faculty research and teaching interests focus especially on the following broad interdisciplinary themes:

- city building and urban structure
- environmental and resiliency planning
- housing, neighborhoods and community development
- spatial analytics and smart cities
- transportation planning and policy

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:
Public Administration, MPA
Public Policy, MPP
Sustainability Solutions, MSUS

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Geographic Information Science, BS
Geography, BS
Geography, BA
Geography (Meteorology-Climatology), BS
Urban Planning, BSP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
47 credit hours and a thesis, or 47 credit hours including the required applied project course (PUP 593), or 47 credit hours including the required capstone course (PUP 580).
Required Core (21 credit hours)
PUP 501 Planning, History and Theory (3)
PUP 520 Planning Practice, Ethics and Processes (3)
PUP 531 Planning and Development Control Law (3)
PUP 544 Urban Land Use Planning (3)
PUP 571 Planning Methods I (3)
PUP 579 Planning Methods II (3)
PUP 642 Urban and Regional Economic Analysis (3)

Electives (14 or 15 credit hours)

Other Requirement (6 credit hours)
PUP 542 Environmental Planning (3)
PUP 576 GIS Workshop (3)

Culminating Experience (5 or 6 credit hours)
PUP 580 Practicum: Planning Workshop (5) or
PUP 593 Applied Project (5) or
PUP 599 Thesis (6)

Additional Curriculum Information
Students take 14 credit hours of electives for the thesis option and take 15 credit hours of electives for nonthesis.

Students take PUP 576 or another methods course approved by the department.

Students take PUP 542 or another environmental planning course approved by the department.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement should be no longer than 600 words and must address the applicant's academic and professional background and, if appropriate, preparation for the selected area of specialty which may include written samples or a portfolio, though these are not required.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements.

**Career Opportunities:** Professionals with expertise in planning theory and practice are in high demand across sectors and industries, including planning consulting firms, local governments and community organizations. Skills in environmental impact assessment, geographical data analysis and community resiliency planning are valuable to businesses and institutions relying on practical, research-based approaches to solve complex real-world problems.

Alumni of the Master of Urban and Environmental Planning program work as professional planners in a variety of public, private and nonprofit settings. Career examples include:

- city and regional planning aide
- geospatial information technologist
- social services director
- sustainability specialist
- transportation planner
- urban and regional planner

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/graduate/muep-urbanenvironmntl-planning
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Urban Planning, PHD (ARPUPPHD)

**Online Degree Search Title:** Urban Planning, PhD
**Campus:** Tempe

**Program Description:** The PhD program in urban planning educates scholars for positions in leading universities; research institutions; nongovernmental organizations; international multilateral institutions; national, state and local governments; and high-level consulting firms. The program provides a strong foundation for undertaking research in planning, urbanism, urban design and urban sustainability.

The School of Geographical Sciences and Urban Planning maintains close relationships with many of the communities in the Phoenix metropolitan area that are leading the way on issues like urban climate change, sustainability and transportation planning. Students have opportunities to interact with planning leaders, mentors and community organizations. Students conduct research alongside faculty, take classes focused on current issues in the field, conduct research and reports for local clients, and start building their professional network across the public, private and nonprofit sectors.

Students benefit from a wide variety of coursework and research opportunities in five broad interdisciplinary themes that span the expertise of the faculty within the School of Geographical Sciences and Urban Planning:

- city building and urban structure
- environmental and resiliency planning
- housing, neighborhoods and community development
- spatial analytics and smart cities
- transportation planning and policy

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (6 credit hours)
PUP 710 Current Planning Theory and Practice (3)
PUP 724 Planning Methods for Doctoral Students (3)

Electives and Research (64 credit hours)

Other Requirement (2 credit hours)
PUP 701 Urban Planning Colloquium (1)

Culminating Experience (12 credit hours)
PUP 799 Dissertation (12)

Additional Curriculum Information
Students take two semesters of PUP 701 for a total of two credit hours.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

Up to six credit hours of 400-level courses may be applied to the plan of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree in a related field such as urban studies, geography, environmental studies, sustainability, architecture, public policy or public administration from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program and a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement must be 600 words or fewer and explain the applicant's interest in planning at the doctoral level; academic and professional background and, if appropriate, preparation for the selected area of specialty which may include written samples or portfolio; and educational and professional objectives.

Letters of recommendation should be from three faculty members who can attest to the applicant's academic achievements.

**Career Opportunities:** Professionals with expertise in planning research, theory and practice are in high demand across sectors and industries, including institutions of higher education, planning consulting firms and community organizations. Skills in environmental impact assessment, geographical data analysis and community resiliency planning are valuable to organizations and institutions relying on research-based approaches to solve complex real-world problems.

Career examples include:

- chief sustainability officer
- city and regional planning aide
- environmental restoration planner
- transportation planner
- urban and regional planner
- urban planning teacher, postsecondary

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/graduate/phd-urban-planning
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## World War II Studies, MA (LAWWSMA)

**Online Degree Search Title:** World War II Studies, MA
**Campus:** Online

**Program Description:** Through advanced interdisciplinary study of World War II, students in the MA program in World War II studies explore the

causes and effects of World War II, the global nature of the conflict, the evolution of governance and political systems, and human responses to conflict, violence and genocide. Program coursework also helps students contextualize current events through study of the war's historical, political and cultural legacies.

**Degree Requirements:**
30 credit hours including the required capstone course (WWS 597).
Required Core (12 credit hours)
WWS 561 Decision Points I (3)
WWS 562 Decision Points II (3)
WWS 563 The Lived Experience of World War II (3)
WWS 566 World War II Today (3)

Electives or Research (9 credit hours)

Other Requirements (6 credit hours)
HST 454 History of Genocide (3) or WWS 564 The Global War (3)
WWS 460 World War II (3) or HST 460 World War II (3)

Culminating Experience (3 credit hours)
WWS 597 Capstone (3)

Additional Curriculum Information
Students should refer to the academic unit for the approved electives and research course list.

For the other requirements section, students must take either HST 454 or WWS 564. If a student chooses to take HST 454 to fulfill the requirement, they may take WWS 564 as an elective. Likewise, if a student chooses to take WWS 564 to fulfill a requirement, they may take HST 454 as an elective. Other coursework may be used with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university. Students from any field who demonstrate potential are considered for admission.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent or written statement
- written responses to unit-developed prompts
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

An applicant's potential for success is determined by the quality of writing and clarity of thought demonstrated in the letter of intent and responses to the application questions. During the application process, applicants are prompted to write short written responses to World War II-related questions. These responses serve to demonstrate to the committee a student's writing ability and potential for thoughtful participation in degree coursework.

Letters of recommendation that point to a student's ability to deliver high-quality academic work and persist to an academic goal receive priority.

An applicant's GPA and academic performance, particularly in humanities coursework, also indicate potential.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/world-war-ii-studies-ma/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following

program outcomes:

•Graduates of the program will be able to evaluate the global, social, cultural, economic and political legacy of World War II since 1945, with particular attention to differing narratives.

•Graduates of the program will be able to analyze the decision-making process and explore the contingent nature of historical events within the larger context of the Second World War.

•Graduates of the program, in analyzing the causes, course and memory of the genocidal nature of World War II, will be able to compose evidence-based arguments grounded in the analysis of sources.

**Career Opportunities:** The Master of Arts program in World War II studies provides students the fundamental training needed for careers in research, teaching, public history, government service and a host of other positions in the public, private and nonprofit sectors.

Graduates serve as first-rate historians; highly qualified teachers at the elementary and secondary levels, and at community colleges; researchers and consultants; archivists; foreign service officers; management professionals; community organizers and public servants.

Other career examples include:

- archivist
- college instructor
- editorial and publishing professional
- museum director and staff
- nonprofit director
- research professional

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/degree/graduate/ma-world-war-ii-studies
COOR 4544
shprs@asu.edu
480-965-5778

## Nursing and Health Innovation, Edson College of

### Acute Care Pediatric Nurse Practitioner (certificate), Certificate (NUACPNGRCT)

**Online Degree Search Title:** Acute Care Pediatric Nurse Practitioner (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The certificate program for the acute care pediatric nurse practitioner specialty is an advanced nursing practice program. It is designed for board-certified nurses seeking additional certification as an acute care pediatric nurse practitioner, or for doctorate-level nurses seeking an acute care pediatric nurse practitioner position. This certificate program prepares graduates to provide holistic, client-centered care to meet the physical, psychological and social needs of infants, children, adolescents and young adults.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Core courses include pharmacology, advanced physiology, advanced pathophysiology and advanced health assessment. Any deficiency courses determined by the student's unique gap analysis must have been completed in the past five years to be eligible for credit.

Specialty courses focus on assessment and management of a supportive, family-centered, culturally appropriate plan of care for pediatric patients with chronic, complex acute and life-threatening illnesses.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the doctoral program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The program offers practicum experiences (clinical rotations) in health profession shortage areas throughout the state, both in urban underserved

and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University nursing practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
20 credit hours.
Required Core (20 credit hours)
DNP 606 Principles of Pediatric Acute Care I (3)
DNP 607 Advanced Pediatric Acute Care Practicum I (7)
DNP 619 Principles of Pediatric Acute Care II (3)
DNP 620 Advanced Pediatric Acute Care Practicum II (7)

Additional Curriculum Information
Every certificate student must complete 600 hours of direct patient care with a nurse practitioner or physician preceptor in the clinical setting. Documented clinical experiences are required by the Pediatric Nursing Certification Board in order for the graduate to be eligible to take the national pediatric nurse practitioner acute care certification examination. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt is made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged, as are experiences in rural areas, and sites are available for these experiences.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- professional resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

The applicant must be nationally certified as a primary care pediatric nurse practitioner. Nationally certified family nurse practitioners working as a nurse practitioner in a pediatric setting will be considered.

The goal statement should indicate the applicant's understanding of the role of the advance practice nurse with the population of interest and any experience the applicant may have working with the patient population of interest.

The admission essay should briefly describe how meeting The Essentials of Doctoral Education for Advanced Nursing Practice (2006) will further

their career goals.

An interview with program faculty is required.

One year of clinical experience working in the pediatric acute care setting is preferred

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. The acute care pediatric nurse practitioner role has grown exponentially in the past decade and the demand for board certified advanced practice acute care providers has never been higher. Graduates of the certificate program in advanced practice nursing are prepared to provide health care for newborns, children, adolescents and young adults. Careers include:

- acute care home services
- critical care
- education and training of future health care providers
- emergency care
- inpatient hospitalist service
- specialty service provision
- transport teams

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Adult Gerontology Nurse Practitioner (Certificate), Certificate (NUAGNPGRCT)

**Online Degree Search Title:** Adult Gerontology Nurse Practitioner (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The certificate program for the adult-gerontology nurse practitioner specialty is an advanced nursing practice program. It is designed for board-certified nurses in a different advanced practice registered nursing specialty who seek additional certification as an adult-gerontology primary care nurse practitioner, and it is for doctorate-level nurses who seek an adult-gerontology nurse practitioner position. This program prepares graduates to provide holistic, client-centered primary care, case management, screening, health promotion and disease management of adults through the lifespan in a variety of settings, and it prepares nurses to meet the physical, psychological and social needs of adolescents, adults and geriatric patients.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Core courses include pharmacology, advanced pathophysiology and advanced health assessment. Any deficiency courses determined by the student's unique gap analysis must have been completed within the past five years to be eligible for credit.

Specialty courses focus on assessment, diagnosis and evidence-based management of common, chronic and complex health conditions in adolescents, adults and geriatric patients. Content includes epidemiology, differential diagnosis and sociocultural variations in evidence-based treatments; health promotion and case management, is emphasized.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the doctorate program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The program offers practicum experiences (clinical rotations) in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University nursing practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
22 credit hours.
Required Core (22 credit hours)
DNP 623 Adult-Gerontology Health Promotion (3)
DNP 624 Adult-Gerontology Health Promotion Practicum (3)
DNP 625 Management of Common Health Problems in Adult-Gerontology: Theory (3)
DNP 626 Management of Common Health Problems in Adult-Gerontology: Practicum (5)
DNP 627 Management of Complex Health Problems in Adult-Gerontology: Theory (3)
DNP 628 Management of Common Health Problems in Adult-Gerontology: Practicum (5)

Additional Curriculum Information
Nurses who complete this certificate meet the eligibility requirements for taking the National Adult Gerontology Nurse Practitioner Certification Examination. In addition to completing didactic courses, students complete 13 credit hours (585 clock hours) of practicum experiences in a community setting.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

All students are required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to submit an admission essay and:

- describe career goals for the next five to 10 years and discuss how obtaining a NP certificate from Arizona State University will help meet these goals
- read The Essentials of Doctoral Education for Advanced Nursing Practice (2006) from the American Association of Colleges of Nursing, then

focus on one of the first seven essentials and describe how meeting this essential will further the stated career goals

All Edson College of Nursing and Health Innovation students are required to complete health and safety requirements, and must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Graduates of the adult gerontology nurse practitioner certificate program have the knowledge and training to provide health care for patients in a wide variety of settings. This broad base of comprehension and clinical expertise enables them to effectively participate and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice, DNP (NUANPDNP)

**Online Degree Search Title:** Advanced Nursing Practice, DNP
**Campus:** Downtown Phoenix

**Program Description:** The DNP in advanced nursing practice prepares graduates to apply and integrate research into clinical practice using innovative approaches to improve health care outcomes of populations and individuals across multiple settings.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Courses are designed for clinical experts and emphasize systems thinking in complex health environments, evidenced-based practice, implementation science, and dissemination of outcomes to advance health care practices and policies. The program emphasizes innovation, leadership in professional relationships, and impacting organizational culture. Practicing faculty with systems-based experience teach much of the coursework and residency experiences, which enrich student learning.

In addition to advanced nursing specialty-focused outcomes, the Doctor of Nursing Practice program engages students to meet doctoral-level competencies in systems-level thinking, complexity science, quality and safety, evidence-based practice, and the development of a doctoral project within a partner organization to improve outcomes at the patient, provider or health care system level. Students of the doctoral program are educated as leaders at the highest level of nursing practice to translate research into practice, lead in multidisciplinary teams, and engage in health care policy and advocacy to improve patient outcomes.

Arizona State University Doctor of Nursing Practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
84 credit hours including the required applied project course (DNP 707).
Required Core (13 credit hours)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

Other Requirement (23 credit hours)
DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 711 Healthcare Policy and Innovation (3)
DNP 712 Clinical Residency and Management (12)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (45 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Applicants to the post-master's program should identify a relevant clinical issue related to advanced practice nursing that they would like to pursue during their doctoral program. Students complete 540 hours of clinical practice residency and the program courses. Completion of an evidence-based doctoral applied project is required. Each project is developed individually with each student. The student has a primary mentor working with them on the project. Clinical practice residency hours are used to complete the project in a practice setting; work settings may be included, but specific objectives are developed individually with each student and may be different from the student's job. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Applicants must be certified as an advanced practice nurse. A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

Applications are reviewed on a space-available basis after the priority deadline.

**Career Opportunities:** Graduates of the Doctor of Nursing Practice program have the knowledge and training to provide health care for patients

across the lifespan in a wide variety of settings. This broad base of comprehension and clinical expertise enables them to effectively participate and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/dnp/advanced-nursing-practice-dnp
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP (NUANPACDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP
**Campus:** Downtown Phoenix

**Program Description:** The acute care pediatric nurse practitioner concentration of the DNP program is an advanced nursing practice degree. This program prepares graduates to provide holistic, client centered care to meet the physical, psychological and social needs of infants, children, adolescents and young adults.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Core courses include pharmacology, advanced pathophysiology and advanced health assessment. Specialty courses focus on assessment and management of a supportive, family-centered, culturally appropriate plan of care for pediatric patients with chronic, complex acute and life-threatening illnesses. Any deficiency courses determined by the student's unique gap analysis must have been completed within the past five years to be eligible for credit.

In addition to advanced nursing specialty-focused outcomes, the Doctor of Nursing Practice program engages students to meet doctoral-level competencies in systems-level thinking, complexity science, quality and safety, evidence-based practice, and the development of a doctoral project within a partner organization to improve outcomes at the patient, provider or health care system level. Students are educated as leaders at the highest level of nursing practice to translate research into practice, lead in multidisciplinary teams, and engage in health care policy and advocacy to improve patient outcomes.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the Doctor of Nursing Practice program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The program offers clinical rotations in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University Doctor of Nursing Practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
85 credit hours including the required applied project course (DNP 707).
Required Core (13 credit hours)

DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

Concentration (26 credit hours)
DNP 606 Principles of Pediatric Acute Care I (3)
DNP 607 Advanced Pediatric Acute Care Practicum I (6)
DNP 619 Principles of Pediatric Acute Care II (3)
DNP 620 Advanced Pediatric Acute Care Practicum II (6)
DNP 643 Developmentally Based Care of the Well Child (3)
DNP 644 Well Child Advanced Practicum (2)
DNP 649 Advanced Physiology (3)

Other Requirements (40 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 609 Advanced Practice Nursing Role (1)
DNP 641 Advanced Health Assessment Pediatrics (3)
DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 711 Healthcare Policy and Innovation (3)
DNP 712 Clinical Residency and Management (12)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives (3 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Nurse practitioner students complete 585 hours of clinical practicum work in the first two years of their degree program. They complete an additional 540 hours in their clinical residency course (DNP 712) for a total of 1,125 clinical and residency hours.

Every student must complete 600 hours of direct patient care with a nurse practitioner or physician preceptor in the clinical setting. Documented clinical experiences are required by the Pediatric Nursing Certification Board in order for the graduate to be eligible to take the national Pediatric Nurse Practitioner Acute Care certification examination. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt is made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 ="A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- professional resume
- goal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

**Career Opportunities:** Graduates are prepared for excellence upon entering the workplace and to practice at the most advanced level of nursing.

The acute care pediatric nurse practitioner role has grown exponentially in the past decade and the demand for board-certified advanced practice acute care providers has never been higher. Graduates are prepared to provide health care for newborns and children, to young adulthood, in careers that include:

- acute care home services
- critical care provision
- education and training of future health care providers
- emergency care provision
- inpatient hospitalist services
- specialty service provision
- transport teams

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP
**Campus:** Downtown Phoenix

**Program Description:** The adult-gerontology nurse practitioner concentration of the DNP program is an advanced nursing practice degree. This program prepares graduates to provide holistic, client-centered primary care to adolescents, adults and geriatric patients in a variety of settings.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Courses focus on assessment, screening, diagnosis and evidence-based management of common, chronic and complex health conditions in adolescents, adults and geriatric patients. Content including epidemiology, differential diagnosis, sociocultural variations in evidence-based treatments, health promotion and case management is emphasized. Adult gerontology-focused theory and clinical courses include theories, principles and clinical skills in the care of adolescents and adults across the lifespan in a variety of settings, including private practice, ambulatory clinics, long-term care facilities and the patient's home. Practicing faculty with clinical experience teach the specialty coursework and clinical experiences.

In addition to advanced nursing specialty-focused outcomes, the Doctor of Nursing Practice program engages students to meet doctoral-level competencies in systems-level thinking, complexity science, quality and safety, evidence-based practice, and the development of a doctoral project within a partner organization to improve outcomes at the patient, provider or health care system level. Students are educated as leaders at the highest level of nursing practice to translate research into practice, lead in multidisciplinary teams, and engage in health care policy and advocacy to improve patient outcomes.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa

County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the Doctor of Nursing Practice program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The program offers clinical rotations in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University Doctor of Nursing Practice programs are accredited by the Commission on Collegiate Nursing Education.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: Nursing and Healthcare Innovation, PhD

**Degree Requirements:**
84 credit hours including the required applied project course (DNP 707).
Required Core (13 credit hours)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

Concentration (22 credit hours)
DNP 623 Adult-Gerontology Health Promotion (3)
DNP 624 Adult-Gerontology Health Promotion Practicum (3)
DNP 625 Management of Common Health Problems in Adult-Gerontology: Theory (3)
DNP 626 Management of Common Health Problems in Adult-Gerontology: Practicum (5)
DNP 627 Management of Complex Health Problems in Adult-Gerontology: Theory (3)
DNP 628 Management of Complex Health Problems in Adult-Gerontology: Practicum (5)

Other Requirements (40 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 711 Healthcare Policy and Innovation (3)
DNP 712 Clinical Residency and Management (12)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing the Doctor of Nursing Practice. The program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

Any deficiency courses determined by the student's unique gap analysis must have been completed in the past five years to be eligible for credit.

Applications are reviewed on a space-available basis after the priority deadline; application deadlines are posted on the program website.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

Graduates of the adult gerontology nurse practitioner program have the knowledge and training to provide health care for patients in a wide variety of settings. The broad base of comprehension and clinical expertise enable graduates to participate effectively and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential

licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/dnp/adult-gerontology-nurse-practitioner-dnp
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Family Nurse Practitioner), DNP
**Campus:** Downtown Phoenix

**Program Description:** The family nurse practitioner concentration of the DNP program is an advanced nursing practice degree.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Courses focus on assessment, diagnosis, and management of acute and chronic conditions, emphasizing preventive care and promotion of healthy lifestyle choices. Content includes epidemiology, differential diagnosis and sociocultural variations in evidence-based treatments, including health promotion and health education. Any deficiency courses determined by the student's unique gap analysis must have been completed in the past five years to be eligible for credit. The program emphasizes theories, principles and clinical skills for holistic, client-centered, culturally appropriate primary care of infants, children, adolescents, adults and older adults within traditional, nontraditional and culturally diverse families. Practicing faculty with clinical experience teach the specialty coursework and clinical experiences, which enrich learning.

In addition to advanced nursing specialty-focused outcomes, the Doctor of Nursing Practice program engages students to meet doctoral-level competencies in systems-level thinking, complexity science, quality and safety, evidence-based practice and the development of a doctoral project within a partner organization to improve outcomes at the patient, provider or health care system level. Students are educated as leaders at the highest level of nursing practice to translate research into practice, lead in multidisciplinary teams, and engage in health care policy and advocacy to improve patient outcomes.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the Doctor of Nursing Practice program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The Doctor of Nursing Practice program offers clinical rotations in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University Doctor of Nursing Practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
84 credit hours including the required applied project course (DNP 707).
Required Core (13 credit hours)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

Concentration (22 credit hours)
DNP 633 Family Health Promotion (3)

DNP 634 Family Health Promotion Practicum (3)
DNP 635 Management of Common Health Problems in Children, Adults and Families (3)
DNP 636 Management of Common Health Problems in Children, Adults and Families Practicum (5)
DNP 637 Management of Complex and Chronic Health Problems in Children, Adults and Families (3)
DNP 638 Management of Complex and Chronic Health Problems in Children, Adults and Families Practicum (5)

Other Requirement (40 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 711 Healthcare Policy and Innovation (3)
DNP 712 Clinical Residency and Management (12)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a Doctor of Nursing Practice. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

Graduates of the family nurse practitioner concentration have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings. This broad base of comprehension and clinical expertise enables them to participate effectively and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP
**Campus:** Downtown Phoenix

**Program Description:** The family psychiatric and mental health nurse practitioner concentration of the DNP program is an advanced nursing practice degree. This program prepares students to provide holistic, client-centered mental health care to individuals of all ages within traditional, nontraditional and culturally diverse families.

Courses emphasize the assessment, diagnosis and evidence-based management of common and complex mental health disorders across the lifespan.

The program highlights valid and reliable tools for screening and identification of mental health disorders as well as early interventions for these problems. Content for each disorder include epidemiology, early signs and symptoms, differential diagnosis, and sociocultural variations in evidence-based management and treatment. Management includes psychopharmacologic and therapeutic skills building that are based in motivational interviewing, mindfulness, cognitive behavioral therapy and dialectical behavior therapy. The program emphasizes individual, group and family therapy techniques. Practicing faculty with clinical experience teach the specialty coursework and clinical experiences, which enrich learning.

In addition to advanced nursing specialty-focused outcomes, the program engages students to meet doctoral level competencies in systems-level thinking, complexity science, quality and safety, evidence-based practice, and the development of a doctoral project within a partner organization to improve outcomes at the patient, provider or health care system level. Students are educated as leaders at the highest level of nursing practice to translate research into practice, lead in multidisciplinary teams, and engage in health care policy and advocacy to improve patient outcomes.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Ariz. are responsible for identifying the required number of clinical sites in their area of residence and

for identifying preceptors and sites willing to accommodate clinical rotations, and the college must approve these sites before starting any clinical experience; the Doctor of Nursing Practice program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The Doctor of Nursing Practice program office offers clinical rotations in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs (https://admission.asu.edu/academics/authorizations) at Edson College of Nursing and Health Innovation.

Arizona State University Doctor of Nursing Practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
85 credit hours including the required applied project course (DNP 707).
Required Core (13 credit hours)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

Concentration (29 credit hours)
DNP 660 Advanced Neuropsychopathology Lifespan (2)
DNP 671 Advanced Mental Health Assessment Across the Lifespan (2)
DNP 672 Psychopharmacology Across the Lifespan (3)
DNP 673 Mental Health Promotion Across the Lifespan (3)
DNP 674 Mental Health Promotion Across the Lifespan Practicum (3)
DNP 675 Management of Common Mental Health Disorders Across the Lifespan (3)
DNP 676 Management of Common Mental Health Disorders Across the Lifespan Practicum (5)
DNP 677 Management of Complex and Chronic Mental Health Disorders Across the Lifespan (3)
DNP 678 Management of Complex and Chronic MH Disorders Across the Lifespan Practicum (5)

Other Requirements (40 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 711 Healthcare Policy and Innovation (3)
DNP 712 Clinical Residency and Management (12)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a Doctor of Nursing Practice. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

Any deficiency courses determined by the student's unique gap analysis must have been completed in the past five years to be eligible for credit.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

Graduates have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings. This broad base of comprehension and clinical expertise enables them to participate effectively and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/dnp/family-psychiatric-and-mental-health-nurse-practitioner-dnp
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Innovation Leadership), DNP
**Campus:** Downtown Phoenix, ASU at Los Angeles

**Program Description:** The DNP in advanced nursing practice with a concentration in innovation leadership is an advanced nursing practice

degree. This program is designed to take the student's thinking and career to the next level by leveraging innovation theory, complexity science and the application of the latest evidence to advanced health system outcomes.

Courses are designed for all clinical leaders, including educators, executives and informaticists, who want to create sustainable health care in the communities they serve. Students learn how to optimize human and social capital, create measurable impact on their organizations, and foster environments of excellence through innovation. The program develops graduates who will leverage resources, build effective organizational cultures, and develop professional relationships for high-impact. Practicing faculty with systems-based experience, teach the coursework and residency experiences, which will enrich learning.

In addition to advanced nursing specialty-focused outcomes, the Doctor of Nursing Practice program engages students to meet doctoral level competencies in systems-level thinking, complexity science, quality and safety, evidence-based practice, and the development of a doctoral project within a partner organization to improve outcomes at the patient, provider or health care system level. Students are educated as leaders at the highest level of nursing practice to translate research into practice, lead in multidisciplinary teams, and engage in health care policy and advocacy to improve patient outcomes. Acknowledged by graduates as a life-changing experience, this program is one of deep personal discovery and diverse professional enrichment. Students are part of a rich social fabric of highly engaged, intellectually astute and practically sound nursing leaders who are changing health care for the nation.

Los Angeles location
Currently, programs of study are offered in a hybrid learning model. Select courses are offered through in-person instruction at the ASU California Center --- Broadway. This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester. Students should consult their advisor and schedule of classes for additional information prior to selecting this campus.

**Degree Requirements:**
84 credit hours including the required applied project course (DNP 716).
Required Core (13 credit hours)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

Concentration (9 credit hours)
DNP 713 Analysis of Organizational Cultures in Health Care (3)
DNP 714 Professional Relationships in Healthcare (3)
NUR 640 Integrative Theories of Innovation Health Care (3)

Other Requirements (23 credit hours)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 711 Healthcare Policy and Innovation (3)
DNP 712 Clinical Residency and Management (12)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (36 credit hours)

Culminating Experience (3 credit hours)
DNP 716 Leadership of Innovation in Health Care (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and a master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

Applications are reviewed on a space-available basis after the priority deadline.

**Career Opportunities:** Graduates of the innovation leadership concentration of the advanced nursing practice doctorate have the knowledge and training to change or create sustainable health care in their community.

Career examples:

- chief executive officer
- chief nurse executive
- clinical director

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/dnp/innovation-leadership-dnp
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP
**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program.
**Program Description:** The neonatal nurse practitioner concentration of the DNP program is an advanced nursing practice degree. This program prepares graduates to provide holistic, client-centered care to neonates, infants and children within traditional, nontraditional and culturally diverse families.

Core courses focus on theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, advanced pharmacology and advanced health assessment. Advanced neonatal nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families. Practicing faculty with clinical experience teach the specialty coursework and clinical experiences, which will enrich learning.

In addition to advanced nursing specialty-focused outcomes, the Doctor of Nursing Practice program engages students to meet doctoral level competencies in systems-level thinking, complexity science, quality and safety, evidence-based practice, and the development of a doctoral project

within a partner organization to improve outcomes at the patient, provider or healthcare system level. Students are educated as leaders at the highest level of nursing practice to translate research into practice, lead in multidisciplinary teams, and engage in health care policy and advocacy to improve patient outcomes.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and immersions two or three times per semester.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the Doctor of Nursing Practice program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The Doctor of Nursing Practice program offers clinical rotations in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University Doctor of Nursing Practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
84 credit hours including the required applied project course (DNP 707).
Required Core (21 credit hours)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 704 Principles of Evidenced-Based Care in Advanced Practice (4)
DNP 705 Healthcare Outcomes Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

Concentration (34 credit hours)
DNP 653 Advanced Development and Family Health Promotion: Neonatal Theory I (3)
DNP 654 Neonatal Practicum I (3)
DNP 655 Management of Common Neonatal Problems (3)
DNP 656 Neonatal Practicum II (5)
DNP 657 Management of Complex Problems in Neonates (3)
DNP 658 Neonatal Practicum III: Management of Complex Problems in Neonates (5)
DNP 712 Clinical Residency and Management (12)

Other Requirement (20 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three online recommendations and one self-evaluation
- satisfactory completion of the analytical writing section of the GRE
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

The three online recommendations should be from individuals knowledgeable about the applicant's academic and nursing leadership potential; the self-evaluation is completed by the applicant.

A current unencumbered license is required. If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse.

An interview with a representative of the specialty area is required.

Students should see the program website for application deadlines.

**Career Opportunities:** Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

Graduates of the neonatal nurse practitioner concentration of the Doctor of Nursing Practice in advanced nursing practice have the knowledge and training to provide health care for patients in an acute care setting. This broad base of clinical expertise enables them to participate effectively and lead within clinical, community and academic arenas.

Career examples:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
HLTHN 113
DNPNursing@asu.edu

602-496-0937

## Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP
**Campus:** Downtown Phoenix

**Program Description:** The pediatric nurse practitioner concentration of the DNP program is an advanced nursing practice degree. This program prepares graduates to provide holistic, client-centered primary care of infants, children, adolescents and young adults.

Courses focus on assessment, diagnosis, health promotion, disease prevention and management of minor, acute and stable complex-chronic health disorders in the pediatric population. Any deficiency courses determined by the student's unique gap analysis must have been completed within the past five years to be eligible for credit. Using best evidence, specialty pediatric courses focus on health promotion and disease management with an emphasis on preventive care and the development of a framework for supportive, family-centered, culturally appropriate advanced nursing practice for infants, children, adolescents and young adults. Practicing faculty with clinical experience teach the specialty coursework and clinical experiences, which will enrich learning.

In addition to advanced nursing specialty-focused outcomes, the Doctor of Nursing Practice program engages students to meet doctoral level competencies in systems-level thinking, complexity science, quality and safety, evidence-based practice, and the development of a doctoral project within a partner organization to improve outcomes at the patient, provider or healthcare system level. Students are educated as leaders at the highest level of nursing practice to translate research into practice, lead in multidisciplinary teams, and engage in health care policy and advocacy to improve patient outcomes.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the Doctor of Nursing Practice program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The Doctor of Nursing Practice program offers clinical rotations in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University Doctor of Nursing Practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
84 credit hours including the required applied project course (DNP 707).
Required Core (13 credit hours)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

Concentration (22 credit hours)
DNP 643 Developmentally Based Care of the Well Child (3)
DNP 644 Well Child Advanced Practicum (3)
DNP 645 Management of Common Problems in Pediatric Primary Care (3)
DNP 646 Management of Common Problems in Pediatric Primary Care Practicum (5)
DNP 647 Management of Complex and Chronic Health Problems in Pediatric Primary Care (3)
DNP 648 Management of Complex and Chronic Health Problems in Pediatric Primary Care Practicum (5)

Other Requirements (40 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 609 Advanced Practice Nursing Role (1)
DNP 641 Advanced Health Assessment Pediatrics (3)
DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 711 Healthcare Policy and Innovation (3)
DNP 712 Clinical Residency and Management (12)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives and research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Doctor of Nursing Practice graduates are prepared to practice at the most advanced level of nursing.

The pediatric nurse practitioner role is well established in all urban and most rural areas of Arizona. Advanced practice nursing graduates are prepared to provide comprehensive health care for newborns and youths. Possible careers include:

- clinical education and training of future health care providers
- community health centers
- fast track emergency department
- outpatient primary and secondary health care clinics
- specialty health care

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/dnp/pediatric-nurse-practitioner-dnp
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP (NUANPWHDNP)

**Online Degree Search Title:** Advanced Nursing Practice (Women's Health Nurse Practitioner), DNP
**Campus:** Downtown Phoenix

**Program Description:** The women's health nurse practitioner concentration of the DNP program is an advanced nursing practice degree. The program prepares graduates to provide holistic, client-centered primary care to women of any age from adolescence through older adulthood. It is designed for board-certified nurses in a different advanced practice registered nurse specialty area seeking additional certification as a women's health nurse practitioner and for doctorate-level nurses seeking to become a women's health nurse practitioner.

Core courses include pharmacology, advanced pathophysiology and advanced health assessment. Any deficiency courses determined by the student's unique gap analysis must have been completed within the past five years to be eligible for credit. Specialty courses focus on the assessment, diagnosis and evidence-based management of common and complex gynecologic, sexual, reproductive, menopause-transition and post-menopause health care; uncomplicated and high-risk antepartum and postpartum care; as well as sexual and reproductive health care for men. Courses emphasize research and theories to provide the context essential to advanced nursing practice focusing on health promotion, risk assessment and disease prevention for women across the lifespan, taking into account factors that influence health care and health outcomes.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the Doctor of Nursing Practice program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The Doctor of Nursing Practice program offers clinical rotations in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University Doctor of Nursing Practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
84 credit hours including the required applied project course (DNP 707).
Required Core (13 credit hours)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)

Concentration (22 credit hours)
DNP 613 Women's Health Promotion I (3)
DNP 614 Women's Health Practicum I (3)
DNP 615 Management of Common Problems in Women's Health (3)
DNP 616 Advanced Women's Health Practicum II (5)
DNP 617 Management of Complex and Chronic Disease in Women (3)
DNP 618 Advanced Women's Health Practicum III (5)

Other Requirements (40 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 711 Healthcare Policy and Innovation (3)
DNP 712 Clinical Residency and Management (12)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

Other requirement coursework may be substituted with approval of the academic unit if the student is in an approved concurrent program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students also are required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Graduates of the women's health nurse practitioner program have the knowledge and training they need in order to provide health care to patients across the lifespan in a wide variety of settings. The broad base of comprehension and clinical expertise enables graduates to effectively participate and lead within clinical, community and academic arenas.

Career examples include:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/dnp/womens-health-nurse-practitioner-dnp
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Aging, MS (LAALDMS)

**Online Degree Search Title:** Aging, MS
**Campus:** Downtown Phoenix, Online

**Program Description:** Aligned with ASU's charter and design aspirations, the MS program in aging assumes responsibility for the overall health of communities by educating students to become experts in the field of aging.

By fusing intellectual disciplines and socially embedding with partners in the aging network of health, wellness and social services, as well as entrepreneurs developing senior-related business ventures, this program is uniquely positioned to address the varied needs of the rapidly aging population. The program provides students with advanced, interdisciplinary knowledge that focuses on improving the well-being of diverse older adults within the context of their families and communities.

The Master of Science program in aging curriculum is competency-based and designed in accordance with the Academy for Gerontology in Higher Education competencies for graduate education. It addresses the multidimensional aging process and the needs of aging populations and their potential contributions to society; reflects national health initiatives; and encourages community collaborations that are reciprocal, beneficial, and sustainable to improve health outcomes of older adults.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Science (Health Entrepreneurship and Innovation), BAS
Community Health, BS

Health Care Coordination, BS
Health Entrepreneurship and Innovation, BS
Integrative Health, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (HCA 593).
Required Core (15 credit hours)
HCA 501 Perspectives on Aging and the Life Course (3)
HCA 502 Research and Program Evaluation Issues in Aging (3)
HCA 503 Diversity in Aging (3)
HCA 505 Interdisciplinary and Community Collaboration in Aging (3)
HCA 508 Mental Health Assessment and Intervention (3)

Restricted Electives (6 credit hours)HCA 504 Caregiving Issues for Families and Professionals (3)HCA 507 Care Coordination Across the Continuum of Care (3)HCA 510 Innovations in Program Development and Policy (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
HCA 593 Applied Project (3)

Additional Curriculum Information
The program requires six credit hours of electives to support academic and professional interests. Students should consult with their advisor for the current approved elective list. Other courses may be used with approval of the academic unit.

For Restricted Electives, students select two courses from the list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- letter of intent or written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/aging-ms/) for program descriptions and to request more information.

**Career Opportunities:** Graduates have the knowledge and training to provide relevant information for the aging population in a wide variety of settings. The broad base of comprehension and expertise enables graduates to effectively participate and lead within the aging community.

Career examples include:

- entrepreneur
- facilities director
- program manager

• research coordinator

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Clinical Research Management, MS (NUCRMMS)

**Online Degree Search Title:** Clinical Research Management, MS
**Campus:** Online

**Program Description:** Clinical research management is a growing field of medical, health and research professionals who direct and conduct clinical trials for new medical products.

With clinical research rapidly expanding, the clinical research master's program takes a transdisciplinary approach in providing an education strong in commercial and fiscal practices of conducting clinical research to prepare students for clinical trial management. This graduate program explores the ethical and regulatory aspects of research and overall management of clinical drug, biological and medical device trials, management of clinical studies, data management, drug discovery and medical devices. In this master's program, students are encouraged to innovate and develop entrepreneurial skills to lead clinical research endeavors.

The MS program in clinical research management is designed to be flexible and conducive for the adult learner and working professional. Part-time study is available. Completion of the program requires a project applicable to the clinical research management field.

This clinical research management graduate degree is the first clinical research graduate degree to receive accreditation from the Commission on Accreditation of Allied Health Education Programs. The CAAHEP is the largest programmatic accreditor in the health sciences field and is recognized by the Council for Higher Education Accreditation in the U.S. and internationally.

**Degree Requirements:**
33 credit hours including the required capstone course (HCR 566).
Required Core (18 credit hours)
HCR 551 Clinical Research Monitoring (3)
HCR 561 Responsible Conduct of Clinical Research (3)
HCR 562 Clinical Research Data Management and Technology Implementation (3)
HCR 563 Fundamentals of Regulatory Affairs (3)
HCR 565 Clinical Research Operations (3)
HCR 574 Scientific and Research Review Boards (3)

Restricted Electives (12 credit hours)
HCR 552 Medical Device Development and Regulation (3)
HCR 553 Quality and Clinical Research (3)
HCR 555 Pharmaceutical Safety and Risk Management (3)
HCR 557 Clinical Research Design and Methods (3)
HCR 564 Global Regulatory Affairs Leadership (3)
HCR 567 Research Management and Contemporary Research Topics (3)
HCR 568 Health Care Project Management (3)
HCR 575 Management and Negotiation of Clinical Trial Budgets and Contracts (3)
HCR 576 Drug Discovery, Development and Regulations (3)

Culminating Experience (3 credit hours)
HCR 566 Clinical Research Management Capstone (3)

Additional Curriculum Information
Students select four courses from the restricted electives list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree that includes courses with content in anatomy and physiology and medical terminology or if they have earned a bachelor's degree. Education or experience in anatomy, physiology and medical terminology is recommended.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- two online references
- personal statement
- response to application questions
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The applicant must have six months of full-time, related clinical research work or internship experience as described in a resume or curriculum vitae. Applicants who do not have six months of experience are required to complete a course in clinical research foundations, provided by the program, prior to enrolling in courses.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-clinical-research-management/) for program descriptions and to request more information.

**Career Opportunities:** Arizona State University's Master of Science degree program in clinical research management prepares students for careers in governmental and regulatory agencies, health care institutions, academic institutions, and national or international research organizations.

Graduates with a Master of Science in clinical research management have career opportunities in many areas. Career examples include:

- clinical data manager
- clinical research associate
- clinical research coordinator
- clinical trial director
- clinical trial program manager

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
EdsonCollege.Graduate@asu.edu
602-496-0937

## Clinical Research Management (certificate), Certificate (NUHCRGRCC)

**Online Degree Search Title:** Clinical Research Management (Graduate Certificate)
**Campus:** Online

**Program Description:** The clinical research management certificate is for research professionals seeking to advance their career in the clinical research business. The program is designed to help them build a solid foundation in clinical trial management.

Students of this program learn the ethical and responsible conduct of clinical research as well as clinical research regulations, ethics, operations and data management. This includes management of day-to-day operations, recruitment, retention, staffing, data management and more in clinical trials.

**Degree Requirements:**
15 credit hours.
Required Core (12 credit hours)
HCR 561 Responsible Conduct of Clinical Research (3)
HCR 562 Clinical Research Data Management and Technology Implementation (3)
HCR 563 Fundamentals of Regulatory Affairs (3)

HCR 565 Clinical Research Operations (3)

Restricted Elective (3 credit hours)

Additional Curriculum Information
Students should see the academic unit for the list of restricted electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- two online references
- personal statement
- response to application questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must have six months of full-time, related clinical research work or internship experience as described on the applicant's resume or curriculum vitae. Applicants may be required to submit a job description or internship transcript from their employer.

The online references should be professional references from colleagues, supervisors, professors or other professional contacts who can attest to the applicant's academic and leadership experiences.

Knowledge of anatomy, physiology and medical terminology is recommended.

Applications are due 30 days before the start of the session.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-clinical-research-management/) for program descriptions and to request more information.

**Career Opportunities:** Certificate graduates can prepare for jobs in research positions evaluating the safety and effectiveness of new medical products. There are many different therapeutic focuses graduates can pursue. Specific careers include:

- clinical research assistant
- clinical research coordinator
- clinical research supervisor

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
EdsonCollege.Graduate@asu.edu
602-496-0937

## Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)

**Online Degree Search Title:** Clinical Research Management (Regulatory Science), MS
**Campus:** Online

**Program Description:** Regulatory science addresses the safety, efficacy, quality and regulation of new medical products, diagnostics and treatments. Regulatory affairs ensure new products meet the requirements and standards set by regulatory authorities. This master's program

aligns regulations and national competencies throughout the lifecycle of medical products. With a master's degree in clinical research management, and a focus on regulatory science, graduates may have the ability to advance medical care and treatment while ensuring new discoveries adhere to rules and regulations that keep patients safe.

The regulatory science concentration of this program provides students a balance of clinical research management and regulatory affairs and sciences. Coursework in this rigorous program includes regulatory writing techniques, quality assurance, medical devices and drugs, and pharmaceutical safety and risk management, ethical standards and regulation in addition to clinical trial management.

This program meets the needs of professional adult learners and provides the flexibility of online courses and allows enrollment five times per year. Students can complete the program on a part-time basis allowing them to continue to work while earning this masters degree.

This clinical research management graduate degree is the first clinical research graduate degree to receive accreditation from the Commission on Accreditation of Allied Health Education Programs. The CAAHEP is the largest programmatic accreditor in the health sciences field and is recognized by the Council for Higher Education Accreditation in the U.S. and internationally.

**Degree Requirements:**
33 credit hours including the required capstone course (HCR 566).
Required Core (18 credit hours)
HCR 551 Clinical Research Monitoring (3)
HCR 561 Responsible Conduct of Clinical Research (3)
HCR 562 Clinical Research Data Management and Technology Implementation (3)
HCR 563 Fundamentals of Regulatory Affairs (3)
HCR 565 Clinical Research Operations (3)
HCR 574 Scientific and Research Review Boards (3)

Concentration (12 credit hours)
HCR 553 Quality Assurance and Clinical Research (3)
HCR 555 Pharmaceutical Safety and Risk Management (3)
HCR 557 Clinical Research Design and Methods (3)
HCR 564 Global Regulatory Affairs Leadership (3)
HCR 567 Research Management and Contemporary Research Topics (3)
HCR 578 Legal Aspects of Clinical Research (3)
HCR 579 Translational Research in Drug Discovery and Development (3)

Culminating Experience (3 credit hours)
HCR 566 Clinical Research Management Capstone (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 credit hours or 90 quarter hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The applicant must have six months of full-time, related clinical research work or internship experience as described in a resume or curriculum vitae. Applicants without six months of experience are required to complete the research foundation courses provided through the program prior to enrollment in any courses.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

Courses or a background in anatomy, physiology and medical terminology are recommended.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-clinical-research-management-regulatory-science/) for program descriptions and to request more information.

**Career Opportunities:** Graduates with an MS in clinical research management with a focus on regulatory science have a range of career opportunities to explore. Career examples include:

- clinical research associate
- project manager
- quality control specialist
- regulatory affairs manager
- regulatory affairs specialist

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
EdsonCollege.Graduate@asu.edu
602-496-0937

## Emergency Nurse Practitioner (Certificate), Certificate (NUEMNPGRCT)

**Online Degree Search Title:** Emergency Nurse Practitioner (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The certificate program for the emergency nurse practitioner specialty is an advanced nursing practice program. It prepares graduates to provide holistic, client-centered care for patients across the lifespan in ambulatory, urgent and emergent settings. The program is designed for board-certified family practitioner nurses who seek additional certification as an emergency nurse practitioner and for students currently enrolled in their third year in the DNP program in the family nurse practitioner track at Arizona State University who seek to become an emergency nurse practitioner.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation and immersions two or three times per semester.

Core courses include pharmacology, advanced pathophysiology and advanced health assessment. Any deficiency courses determined by the student's unique gap analysis must have been completed in the past five years to be eligible for credit.

Specialty courses focus on care for patients with cardiovascular, thoracic-respiratory, dermatologic, abdominal, musculoskeletal, psychiatric, traumatic, renal, genitourinary, endocrine, nervous, head, ear, nose and throat system diseases and disorders in ambulatory, urgent and emergent settings.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the doctoral program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The program offers practicum experiences (clinical rotations) in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University nursing practice programs are accredited by the Commission on Collegiate Nursing Education and are validated by the American Academy of Emergency Nurse Practitioners.

**Degree Requirements:**
15 credit hours.
Required Core (15 credit hours)
DNP 610 Principles of Advanced Emergency Nursing I (3)
DNP 611 ENP Practicum I: Advanced Emergency Nursing Practice (3)
DNP 630 Principles of Advanced Emergency Nursing II (3)
DNP 631 ENP Practicum II: Advanced Emergency Nursing Practice (3)
DNP 649 Advanced Physiology (3)

Additional Curriculum Information
Every certificate student must complete 270 hours of direct patient care with a nurse practitioner or physician preceptor in the clinical setting. Documented clinical experiences are required by the certification organization (AANP) in order for the graduate to be eligible to take the national Emergency Nurse Practitioner certification examination.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt is made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- professional resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

The goal statement should indicate the applicant's understanding of the role of the advance practice nurse with the population of interest and any experience the applicant may have working with the patient population of interest.

The admission essay should briefly describe how meeting "The Essentials of Doctoral Education for Advanced Nursing Practice" (2006) will further their career goals.

Applicants must be a licensed family nurse practitioner currently, or enrolled in the family nurse practitioner program at ASU.

An interview with program faculty is required.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

An admission examination is not required.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Graduates of the emergency nurse practitioner certificate program have the knowledge and training to provide health care for patients across the

lifespan in a wide variety of settings, and their broad base of comprehension and clinical expertise enables them to effectively participate and lead within clinical, community and academic arenas.

Career examples include:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)

**Online Degree Search Title:** Family Nurse Practitioner (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The certificate program for the family nurse practitioner specialty is an advanced nursing practice program. It prepares graduates to provide holistic, client-centered primary care to individuals of all ages within traditional, nontraditional and culturally diverse families. The program is designed for board-certified nurses in a different advanced practice registered nurse specialty area who seek additional certification as a family nurse practitioner and for doctorate-level nurses who seek to become a family health nurse practitioner. It prepares nurses to meet the physical, psychological and social needs of individuals and families across the lifespan.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Core courses include pharmacology, advanced pathophysiology and advanced health assessment. Any deficiency courses determined by the student's unique gap analysis must have been completed in the past five years to be eligible for credit.

Specialty courses focus on assessment, diagnosis and evidence-based management of common, chronic and complex health conditions in individuals from infants to geriatrics within traditional, nontraditional and culturally diverse families. Content that includes epidemiology, differential diagnosis, and sociocultural variations in evidence-based treatments, including health promotion, is emphasized.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the doctoral program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The program offers practicum experiences (clinical rotations) in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University nursing practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**

22 credit hours.
Required Core (22 credit hours)
DNP 633 Family Health Promotion (3)
DNP 634 Family Health Promotion Practicum (3)
DNP 635 Management of Common Family Problems in Children, Adults and Families (3)
DNP 636 Management of Common Health Problems in Children, Adults and Families Practicum (5)
DNP 637 Management of Complex and Chronic Health Problems in Children, Adults and Families (3)
DNP 638 Management of Complex and Chronic Health Problems in Children, Adults and Families Practicum (5)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and must meet all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

All applicants have an interview with program faculty prior to admission to the program.

It is preferred that applicants have at least one year of clinical experience working in the student's specialty population.

Admission examinations are not required.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Graduates of the family nurse practitioner certificate program have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings. The broad base of comprehension and clinical expertise enables graduates to effectively participate and lead within clinical, community and academic arenas.

Career examples include:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure webpage: https://admission.asu.edu/academics/licensure (¿https:/admission.asu.edu/academics/licensure¿).

**Contact Information:**

Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/certificate/family-nurse-practitioner-graduate-certificate
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)

**Online Degree Search Title:** Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The certificate program for the family psychiatric and mental health nurse practitioner specialty is an advanced nursing practice program. It prepares graduates to provide holistic, client-centered mental health care to individuals of all ages within traditional, nontraditional and culturally diverse families. It is designed for board-certified nurses in a different advanced practice registered nurse specialty area who seek additional certification as a family psychiatric and mental health nurse practitioner and for doctorate-level nurses who seek to become a family psychiatric mental health nurse practitioner. It emphasizes the assessment, diagnosis and evidence-based management of common and complex mental health disorders across the lifespan.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Core courses include pharmacology, advanced pathophysiology and advanced health assessment. Any deficiency courses determined by the student's unique gap analysis must have been completed in the past five years to be eligible for credit.

The program highlights valid and reliable tools for screening and identification of mental health disorders as well as early interventions for these problems. Content for each disorder includes epidemiology, incidence, early signs and symptoms, differential diagnosis, and sociocultural variations in evidence-based management and treatment. Management includes psychopharmacologic and therapeutic skills building that are based in motivational interviewing, mindfulness, cognitive behavioral therapy and dialectical behavior therapy. Individual, group and family therapy techniques are emphasized.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the doctoral program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The program offers practicum experiences (clinical rotations) in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University nursing practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
28 credit hours.
This graduate certificate program (including 585 clinical hours) prepares nurses with a master's degree to become family psychiatric mental health nurse practitioners.

Required prerequisites (or equivalent courses taken while in master's degree program)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)

Students have an individual review of their transcripts and an individualized plan of study designed to meet certification requirements. Depending on how many prerequisite courses are completed in the master's degree program, up to one year of additional study may need to be added to complete this specialty.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- health and safety requirements: proof of passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants must be board certified in a different APRN specialty.

All applicants will have an interview with program faculty prior to admission to the program.

It is preferred that applicants have at least one year of clinical experience working within the student's specialty population.

Admission examinations are not required.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Graduates of the family psychiatric nurse practitioner certificate program have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings.

Career examples include:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
MERCC 250

nursingandhealth@asu.edu
602-496-0937

## Food Safety and Protection (certificate), Certificate (NUFDSPGRCT)

**Online Degree Search Title:** Food Safety and Protection (Graduate Certificate)
**Campus:** Online

**Program Description:** The online food safety graduate certificate is designed for working professionals and graduate students interested in food policy as it relates to the safety and quality of foods.

The curriculum is aligned with local, state and national health and safety initiatives and also integrates the regulatory focus of the Food and Drug Administration. The program focuses on the downstream evaluation of the production, processing and preparation of food and food products. Students learn to assess food safety hazards, such as waterborne and food pathogen outbreaks. They also learn about food manufacturing and processing, quality systems, foodborne illnesses, and policies and regulations.

Edson College of Nursing and Health Innovation recommends students have a course in chemistry and biology completed before enrolling in the certificate.

Students are responsible for comprehending the requirements of optional certification exams, credentials, and employment eligibility with specific organizations. The university cannot verify students will be eligible to sit for or pass exams. Prior work experience, additional coursework, fieldwork, and background checks may be necessary to be eligible to take or to acquire certifications and credentials successfully. Students should refer to the National Environmental Health Association website for general information: www.neha.org (www.neha.org).

**Degree Requirements:**
15 credit hours.
Required Core (12 credit hours)
HCR 543 Food Safety and Protection (3)
HCR 544 Assessing Food Safety and Developing Policy Procedures and Training (3)
HCR 558 Technical Writing for the Regulatory Professional (3)
SFS 560 Tools and Tactics for Food Policy Change (3) or HCR 550 Quality Assurance and Safety in Food and Dietary Supplements (3)

Other Requirements (3 credit hours)
HCR 563 Fundamentals of Regulatory Affairs (3) or
HCR 584 Internship (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a science-based or related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/food-safety-grad-certificate/) for program descriptions and to request more information.

**Career Opportunities:** Graduates with a food safety certificate bring strong analytical, writing and inspection skills to the job market. Many find work within the manufacturing and agricultural industries as food safety, quality control or plant managers; product and public health inspectors; or compliance officers in food manufacturing and processing.

Career examples include:

- border control public health inspector
- facility manager
- federal consumer safety inspector
- food and safety sanitation product inspector
- food manufacturing, process and preparation specialist
- food inspector
- food safety manager
- health inspector
- production control food safety inspector

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Health Care Innovation, Certificate (NUHCINGRCT)

**Online Degree Search Title:** Health Care Innovation (Graduate Certificate)
**Campus:** Downtown Phoenix, Online

**Program Description:** The emerging field of health care innovation requires individuals who can lead and facilitate change.

Students learn through reflection, personality assessment, exercises in interdisciplinary team-case study analyses, system intervention, idea pitching and change-readiness assessment. Related entrepreneurial and intrapreneurial concepts such as prototyping, business plan or project plan design, budgeting and presentation skills are also covered in the program.

Emphasizing complexity leadership and vulnerability along with emotional competence, this certificate prepares students to work in this interdisciplinary and highly sought-after area.

**Degree Requirements:**
15 credit hours including the required capstone course (HCI 570).
Required Core (11 credit hours)
HCI 538 Innovation and the Individual (3)
HCI 542 Systems Thinking in a Complex Environment (3)
HCI 554 Outcomes Evaluation (3)
HCI 561 Innovation Methods (2)

Culminating Experience (4 credit hours)
HCI 570 Innovation Proposal: Culminating Experience for Health Care Innovation Certificate (4)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health-related business, social science, hard science, health care practice or technology field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

There are no required admission examinations.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-health-care-innovation/) for program descriptions and to request more information.

**Career Opportunities:** Graduates with the health care innovation graduate certificate have opportunities for careers such as these:

- clinical nurse specialists
- community health workers
- health educators
- health information technicians
- informatics nurse specialists

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
EdsonCollege.Graduate@asu.edu
602-496-0937

## Health Care Simulation, MS (NUHCSMS)

**Online Degree Search Title:** Health Care Simulation, MS
**Campus:** Downtown Phoenix

**Program Description:** In the MS program in health care simulation, students learn to influence the design, operations and evaluation of educational health care simulation in academic or practice settings.

Students develop evidence-based scenario design, use technology-enhanced environments replicating real patient experiences with life-like high fidelity computer manikins or simulated participants, and employ operations techniques. Through learning and working with their peers, faculty and leaders from multiple disciplines such as health care, sociology, technology, the arts and public policy, students will gain experience in creating transdisciplinary solutions.

Simulation in health care education aims to improve competencies in communication, teamwork, critical thinking, professional identity and safety. The simulated learning environment provides a psychologically safe space where you can make mistakes without risk to real patients.

This is a hybrid program with most required courses offered in an iCourse format, including both asynchronous and synchronous modalities. Some courses are offered in seven-and-a-half-week accelerated sessions. Several required courses include an immersion experience on the ASU campus for several days at the end of the semester as well as one day on campus at the beginning of the semester.

**Degree Requirements:**
34 credit hours including the required applied project course (HCS 593).
Required Core (3 credit hours)
HCS 501 Foundations in Health Care Simulation (3)

Other Requirements (21 credit hours)
HCI 540 Understanding and Applying Principles of Evidence-based Practice (3)
HCS 502 Health Care Simulation Educational Assessment and Debriefing Methods (3)
HCS 503 Principles of Operations Management in Health Care (3)
HCS 580 Practicum: Operational or Educational Perspective (3)
NUR 521 Health Care Evidence, Informatics and Analysis (3)
NUR 548 Patient Safety, Health Care Quality & Informatics (3)
NUR 671 Teaching in Academic and Practice Settings (3)

Restricted Electives (6 credit hours)
BMI 601 Fundamentals of Health Informatics (3)
HCI 538 Innovation and the Individual (3)
HCI 544 Information Technology (IT) for Health Care Innovation (3)
NUR 670 Curriculum Development in Academic and Practice Settings (3)

Culminating Experience (4 credit hours)
HCS 593 Applied Project (4)

Additional Curriculum Information
Coursework for other requirements or restricted electives may be substituted with approval of the academic unit.

For restricted electives, students choose two courses from the above list for a total of six credit hours.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in health care or a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

**Career Opportunities:** Professionals with expertise in health care simulation will be qualified to work in either academic or clinical simulation environments. Career examples include:

- directors and assistant directors, simulation centers
- education technician simulation specialist
- operations specialists
- simulation education specialists
- simulation managers
- simulation nurses

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/ms/health-care-simulation-ms
MERCC 250
healthcaresim@asu.edu
602-496-0937

## Healthcare Innovation, MHI (NUHCINNMHI)

**Online Degree Search Title:** Healthcare Innovation, MHI
**Campus:** Online

**Program Description:** Students in the MHI in health care innovation program learn how to create and sustain cultures of innovation in health care from multiple perspectives: personal competence for innovation, use of evidence in decision-making, remodeling system infrastructures, financing, communication, entrepreneurship, technology and policymaking. Students study change theory, leadership, entrepreneurship, technology, and system design, and they develop competence in the design, application and testing of innovative processes and products. A primary focus of the Master of Healthcare Innovation is to prepare students to lead processes of innovation and transformation.

Innovative thinking, planning, implementing and evaluation are emphasized throughout the program. The curriculum incorporates the latest trends in health care and is built upon collaboration with other professionals and faculty across diverse disciplines.

Graduates of the program possess the leadership skills and behaviors to influence the future of health care as well as transform and improve health care outcomes for individuals and communities.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Science (Health Entrepreneurship and Innovation), BAS
Community Health, BS

Health Care Coordination, BS
Health Entrepreneurship and Innovation, BS
Integrative Health, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
34 credit hours including the required capstone course (HCI 563).
Required Core (5 credit hours)
HCI 538 Innovation and the Individual (3)
HCI 561 Innovation Methods (2)

Electives (3 credit hours)

Other Requirements (21 credit hours)
HCI 540 Understanding and Applying Principles of Evidence-Based Practice (3)
HCI 542 Systems Thinking in a Complex Environment (3)
HCI 544 Information Technology (IT) for Health Care Innovation (3)
HCI 548 Advanced Principles and Concepts of Innovation (3)
HCI 550 Health Care Policy and Innovation (3)
HCI 552 Financing for Innovation (3)
HCI 554 Outcomes Evaluation (3)

Culminating Experience (5 credit hours)
HCI 563 Capstone: Final Innovation Project (5)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit
- graduate admission application and application fee
- official transcripts
- three professional recommendations
- personal statement and essays
- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The professional recommendations should be from individuals knowledgeable about the applicant's academic and leadership potential.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-healthcare-innovation/) for program descriptions and to request more information.

**Career Opportunities:** Graduates take a multidisciplinary approach to health care and are prepared to take on important roles in a rapidly changing industry.

Career examples include:

- health administration
- health care consultants
- health information technicians
- health technologists

- medical and health service managers

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
EdsonCollege.Graduate@asu.edu
602-496-0937

## Innovation Leadership, Certificate (NUINLSGRCT)

**Online Degree Search Title:** Innovation Leadership (Graduate Certificate)
**Campus:** Online
ASU is not currently accepting applications for this program.
**Program Description:** This graduate certificate program in innovation leadership provides students with the cognitive and affective competencies they will need in order to lead and facilitate innovation in the contexts of health care products, processes and systems. The emerging field of innovation leadership in health care requires individuals who can lead and facilitate change.

Students learn through reflection, personality assessment, public speaking, leadership network identification, entrepreneurship, idea pitching and change-readiness assessment.

This certificate program prepares students to work in this transdisciplinary and highly sought-after area of leadership.

**Degree Requirements:**
15 credit hours including the required capstone course (HCI 571).
Required Courses (12 credit hours)
HCI 538 Innovation and the Individual (3)
HCI 543 Approaches to Health Care Innovation (3)
HCI 545 Public Speaking for Innovation: Building Your Presence and Making the Case for Change (3)
NLM 562 Social Entrepreneurship (3)

Culminating Experience (3 credit hours)
HCI 571 Health Care Innovation Leadership Portfolio: Culminating Experience (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health-related business, social science, hard science, health care practice or technology field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Admission examinations are not required.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Career Opportunities:** Graduates have the knowledge and training to change or create sustainable health care in their community.

Career examples include:

- chief executive officer
- chief nurse executive
- clinical director

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/certificate
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)

**Online Degree Search Title:** International Health for Healthcare Professionals (Graduate Certificate)
**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program.
**Program Description:** The international health for health care professionals graduate certificate program prepares health care personnel to meet the global health challenges of the future. Students receive comprehensive education in the promotion of holistic, culturally responsive, evidence-based care within and outside the U.S.

Course content includes the provision of care in the presence and absence of natural (e.g., earthquakes) and human-made disasters (e.g., war), the spread of chronic and infectious diseases, economic and political issues, and other factors that pose substantial challenges to world health promotion and disease prevention.

This graduate certificate is offered as a part-time or full-time hybrid online distance program that includes two day-long visits to the ASU Downtown Phoenix campus and a capstone immersion experience.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they are undergraduate-prepared nurse or health-related professional (e.g., social worker, physician, psychologist, dentist) with a baccalaureate or graduate degree from a nationally or internationally recognized and regionally accredited academic institution, or equivalent.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional license in the state where the individual capstone project will be conducted, if required (e.g., RN, NP, MSW, PA or MD)
- resume or curriculum vitae
- email addresses of three professional references (not friends or relatives) who will be contacted for completion of online recommendations
- fingerprint clearance or proof of application for U.S. citizens and applicants with permanent U.S. resident status
- photocopy of current, valid passport
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

References are contacted by the Graduate College, with a request to complete a reference questionnaire.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Interprofessional Healthy Aging (certificate), Certificate (NUGNCERT)

**Online Degree Search Title:** Interprofessional Healthy Aging (Graduate Certificate)

**Campus:** Downtown Phoenix, Online

**Program Description:** This certificate program prepares professionals to address healthy aging with a focus on prevention and early intervention to optimize the health, behavioral health and quality of life of older adults and their family caregivers. The program provides students with interdisciplinary knowledge that focuses on improving the well-being of diverse older persons, in the context of their families and communities.

The curriculum is based on the Association for Gerontology in Higher Education's Competencies for Graduate Education and addresses the multidimensional aging process, the needs of aging populations, and their potential contributions; reflects national health initiatives; and encourages interprofessional and community collaborations that are reciprocal, beneficial and sustainable to improve health outcomes.

Those who complete the program can apply for recognition as a gerontological coordinator by the National Association of Professional Gerontologists, an independent, international professional organization.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
HCA 501 Perspectives on Aging and the Life Course (3)
HCA 503 Diversity in Aging (3)

Restricted Electives (9 credit hours)
HCA 502 Research and Program Evaluation Issues in Aging (3)
HCA 504 Caregiving Issues for Families and Professionals (3)
HCA 505 Interdisciplinary and Community Collaboration in Aging (3)
HCA 507 Care Coordination across the Continuum of Care (3)
HCA 508 Mental Health Assessment and Intervention (3)
HCA 510 Innovations in Program Development and Policy (3)
NUR 628 Research, Theory and Principles for Palliative Care in the Older Adult (3)
SWG 571 Mental Health Aspects of Aging (3)
SWG 573 Policies to Promote Healthy Aging (3)
SWG 623 Program Evaluation (3)
SWG 632 Policy Practice (3)

Additional Curriculum Information
Other courses may be substituted for restricted electives if approved by the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/gerontology-graduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** Graduates are prepared for employment in these occupations:

- gerontological coordinator

- life enrichment coordinator
- life enrichment director
- program manager
- research coordinator

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Nurse Education in Academic and Practice Settings (certificate), Certificate (NUNURSEDCE)

**Online Degree Search Title:** Nurse Education in Academic and Practice Settings (Graduate Certificate)
**Campus:** Downtown Phoenix, Online

**Program Description:** This certificate program in nurse education in academic and practice settings prepares registered nurses and other health professionals who have earned a master's degree to teach in academic or practice settings.

Courses include curriculum development, teaching methods, design and delivery of mediated instruction, producing and evaluating educational programs and a teaching practicum.

**Degree Requirements:**
15 credit hours.
Required Core (15 credit hours)
NUR 670 Curriculum Development in Academic and Practice Settings (3)
NUR 671 Teaching in Academic and Practice Settings (3)
NUR 672 Design and Delivery of Mediated Instruction (3)
NUR 673 Producing and Evaluating Programs for Academic and Practice Settings (3)
NUR 579 Role-Focused Practicum: Nurse Educator (3) or
NUR 677 Scholarly Citizenship: Teaching Intensive (3)

Additional Curriculum Information
A teaching practicum (comprised of 135 clock hours) is required.

As part of the required core, MS and DNP students will take NUR 579 and PhD students will take NUR 677.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a minimum of a master's degree, in any field, from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for this certificate program.

Licensure Requirements: An RN licensure is not required for admission to the Nurse Education in Academic and Practice Settings certificate program. However, admitted students who are a Registered Nurse must hold a current unencumbered RN license in the state in which the student plans to do clinical practicums to remain in the program.

Health and Safety Requirements: Students recommended for admission must meet health and safety requirements by established deadlines, including a passing disposition on a background clearance, satisfactory completion of a substance screen, and other requirements, as a condition of admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/nurse-education-academic-and-practice-settings-graduate/) for program descriptions and to request more information.

**Career Opportunities:** The nurse educator certificate prepares students for a variety of careers, helping to educate the future nursing workforce. Careers could include:

- academic faculty
- charge nurse
- chief nursing officer
- nurse educator
- nursing supervisor

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/certificate/nurse-education-academic-and-practice-settings-graduate-certificate
HLTHN 113
nursingandhealth@asu.edu
602-496-0739

## Nursing, MS (NUNURDTMS)

**Online Degree Search Title:** Nursing, MS
**Campus:** Downtown Phoenix, ASU at Los Angeles, Online
The accelerated BSN/MS option is currently only available to ASU Online students.
**Program Description:** The Master of Science in nursing degree is designed for nurses who are thinking about the future and ready to take the next step in their career. This Commission of Collegiate Nursing Education-accredited program focuses on four key areas: evidence-based practice, patient safety and health care quality, informatics, and leadership. This program is ideal for nurses looking to gain advanced education and skills in the translation of concepts, practices and principles of leadership.

Coursework is delivered completely online, providing each student with a learning experience that meets their needs and future aspirations. Throughout the program, students learn about leadership, innovative thinking and interprofessional team collaboration, and they advance their skills in leadership, research, evidence-based practice, evaluation, critical thinking, health care quality and patient safety.

Students complete direct care clinical hours and a role-focused practicum that allows the student to work with a preceptor in an area or role best suited to their career goals.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Nursing, BSN

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (NUR 593), or 36 credit hours including the required applied project course (NUR 593) - RN to MS Bridge Program.
Required Core (3 credit hours)
NUR 501 Individual and Innovation Leadership in Health Care (3) or HCI 538 Innovation and the Individual (3)

Other Requirements (24 credit hours)
DNP 602 Evaluating Research for Practice (3)

NUR 502 Advanced Health Assessment and Health Promotion (2)
NUR 503 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion II (3)
NUR 509 Clinical Prevention and Population Health Practicum (1)
NUR 521 Health Care Evidence, Informatics and Analysis (3)
NUR 529 Role-Focused Practicum: Patient Safety and Health Care Quality for the Nurse Leader (3)
NUR 544 Theoretical Foundations for Nursing (3)
NUR 547 Community, Global and Population Health (3)
NUR 548 Patient Safety, Health Care Quality and Informatics (3)

Culminating Experience (3 credit hours)
NUR 593 Applied Project (3)

Additional Curriculum Information
Students in the RN to MS in nursing bridge program complete 36 credit hours for this degree. In addition to the requirements listed above, these students must complete NUR 552 Dynamics of Professional Nursing I (3) and NUR 553 Dynamics of Professional Nursing II (3) before starting the MS curriculum. Proof of statistics completion with a C or better (applicants may be admitted to the program with a deficiency in statistics.)

Statistics is a required prerequisite for all MS in nursing programs.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned an associate or bachelor's degree in nursing from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in their associate degree nursing program or the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must be licensed as Registered Nurses (RN) and fulfill the admission requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume
- written statement
- proof of English proficiency
- proof of statistics completion with a C or better (applicants may be admitted to the program with a deficiency in statistics)

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants applying only with an associate degree completed will need to provide a transcript that shows at least 72 earned undergraduate credit hours, from a regionally accredited institution or equivalent, to apply to the master's program.

Students who are admitted with an associate degree will be required to complete additional coursework in their plan of study.

The 4+1 accelerated option is open to online BSN students only. It is not an option for downtown BSN students.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Students residing in the following states are not eligible for enrollment in this program: Louisiana, New York, Oregon, Rhode Island, Tennessee, or Washington. For more information, students should visit the admission authorizations page (https://admission.asu.edu/academics/authorizations).

An interview with faculty may be required for applicants who have a minimum of a bachelor's degree or higher. Applicants who apply without a bachelor's degree are required to interview with faculty.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-nursing/) for program descriptions and to request more information.

**Career Opportunities:** With a master's in nursing, graduates are prepared for an advanced position or a leadership role in the field. Some possible job titles after earning this degree include:

- charge nurse
- chief nursing officer
- clinical educator
- clinical nurse
- director of nursing
- lead nurse
- nurse manager
- nurse supervisor
- nursing faculty

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/ms/nursing-ms
MERCC 250
msnursing@asu.edu
602-496-0937

## Nursing (Entry to Nursing Practice), MS (NUNRENPRMS)

**Online Degree Search Title:** Nursing (Entry to Nursing Practice), MS
**Campus:** Downtown Phoenix

**Program Description:** The MS program in nursing with a concentration in entry into nursing practice provides a pathway for students holding a baccalaureate degree in another discipline who want to become registered nurses. It is widely known as a master's entry program in nursing or MEPN.

This pathway is designed to build on a student's previous education experience. As a full-time program with lectures, experiential learning (simulation labs), and clinical experiences, students should expect a time commitment of at least 40 hours a week.

As an entry pathway to the profession of nursing, graduates are eligible to take the National Council Licensure Examination (NCLEX-RN) and apply for RN licensure through a state board of nursing.

**Degree Requirements:**
53 credit hours including the required applied project course (NUR 593).
Required Core (3 credit hours)
HCI 538 Innovation and the Individual (3) or NUR 501 Individual and Innovation Leadership in Health Care (3)

Concentration (40 credit hours)
DNP 602 Evaluating Research for Practice (3)
NUR 514 Nursing Theory: Nursing Fundamentals (5)
NUR 515 Nursing Concepts for Psychiatric Mental Health (2)
NUR 516 Nursing Practice: Psychiatric Mental Health (2)
NUR 517 Nursing Practice: Pediatrics (2)
NUR 518 Nursing Practice: Adults (4)
NUR 519 Role-Focused Practicum: Care Coordination for the Nurse Leader (2)
NUR 524 Nursing Practice: Childbearing Family (2)
NUR 533 Nursing Concepts: Childbearing Family (2)
NUR 542 Readiness to Practice (2)
NUR 544 Theoretical Foundations for Nursing (3)
NUR 545 Advanced Pharmacology (3)
NUR 547 Community, Global and Population Health (3)
NUR 548 Patient Safety, Health Care Quality and Informatics (3)
NUR 550 Health Assessment (2)

Other Requirements (7 credit hours)
NUR 417 Nursing Concepts: Pediatric Clients (2)
NUR 478 Nursing Practice: Complex Care (2)
NUR 546 Nursing Concepts for Complex Care (3)

Culminating Experience (3 credit hours)

NUR 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution. Applicants who hold a BSN degree are not eligible and should apply to Nursing and Health Innovation.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants may be admitted to the program with deficiencies. If a student is assigned any deficiency coursework by the academic unit upon admission, those courses must be completed with a grade of "B" (scale is 4.00 = "A") or higher before completing the graduate program's required coursework. Deficiency courses may include:

BIO 201 Human Anatomy and Physiology I and BIO 202 Human Anatomy and Physiology II
CDE 232 Human Development
CHM 101 Introductory Chemistry
HCR 240 Human Pathophysiology
MIC 205 Microbiology and MIC 206 Microbiology Laboratory
NTR 241 Human Nutrition
statistics (100-level or higher 3 credit hour course)

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Graduates of this program have the knowledge and training that enable them to provide health care for patients in a wide variety of settings. Career examples include intensive care nurses and registered nurses.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/ms/nursing-entry-nursing-practice-ms
MERCC 250
msentry@asu.edu
602-496-0937

## Nursing (Nursing Education), MS (NUNURSEDMS)

**Online Degree Search Title:** Nursing (Nursing Education), MS
**Campus:** Downtown Phoenix, ASU at Los Angeles, Online

**Program Description:** The country is experiencing a shortage of nursing faculty. This degree program, with a concentration in nursing education, can help prepare students to advance their career and achieve their goal of becoming a nurse educator in an academic or practice setting. During this program, students prepare to teach future nurses and nursing leaders. They learn about educational theory and research, curricular design and evaluation, academic and clinical assessment, testing and evaluation, and they gain and advance their skills in curriculum and course development and delivery, research and evidence-based practice, and evaluation methods.

Coursework in the MS program in nursing is delivered completely online, providing each student with a learning experience that meets their needs and future aspirations. Throughout the program, students learn the key competencies of a master's prepared nurse while gaining additional nursing

education skills. Students complete direct care clinical hours and a role-focused practicum that allows the student to work with a preceptor in an area or role best suited to their career goals.

The curriculum meets the competencies outlined by the American Association of Colleges of Nursing Essentials. Courses in this program are led by experienced nursing faculty and designed with active learning strategies. Depending on their career goals, students can choose to work with a clinical educator or an academic educator during the practicum.

**Degree Requirements:**
33 credit hours including the required applied project course (NUR 593).
Required Core (3 credit hours)
NUR 501 Individual and Innovation Leadership in Health Care (3) or HCI 538 Innovation and the Individual (3)

Concentration (12 credit hours)
NUR 670 Curriculum Development in Academic and Practice Settings (3)
NUR 671 Teaching in Academic and Practice Settings (3)
NUR 672 Design and Delivery of Mediated Instruction (3)
NUR 673 Producing and Evaluating Programs for Academic and Practice Settings (3)

Other Requirements (15 credit hours)
NUR 502 Advanced Health Assessment and Health Promotion (2)
NUR 503 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion II (3)
NUR 509 Clinical Prevention and Population Health Practicum (1)
NUR 544 Theoretical Foundations for Nursing (3)
NUR 579 Role-Focused Practicum: Nurse Educator (3)
DNP 602 Evaluating Research for Practice (3)

Culminating Experience (3 credit hours)
NUR 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Licensure requirements: Applicants for the MS in nursing and MS in nursing (nursing education) program must meet one of the following criteria:

- Students must hold a current unencumbered RN license in the state in which they plan to do clinical practicums.
- Students located outside of the United States must provide international nursing credentials evaluated by the Credentials Evaluation Services (CES) Professional Reports through the Commission on Graduates of Foreign Nursing Schools (CGFNS) International for equivalency to U.S. RN licensure.
- Recent graduates of a nursing program must take and pass NCLEX and receive RN licensure by the end of their first semester in the program.

Health and Safety Requirements: Students recommended for admission must meet health and safety requirements by established deadlines, including a passing disposition on a background clearance, satisfactory completion of a substance screen and other requirements as a condition of admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-nursing-education/) for program descriptions and to request

more information.

**Career Opportunities:** The master's degree program in nursing education can prepare students for a variety of careers in which they can help to educate the future nursing workforce. Job titles include:

- charge nurse
- chief nursing officer
- clinical professor
- director of nursing
- faculty member
- lead nurse
- nurse educator
- nursing supervisor

Graduates also are prepared for career advancement.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/ms/nursing-nursing-education-ms
MERCC 250
msnursing@asu.edu
602-496-0937

## Nursing and Healthcare Innovation, PHD (NUNHIPHD)

**Online Degree Search Title:** Nursing and Healthcare Innovation, PhD
**Campus:** Downtown Phoenix

**Program Description:** The Edson College of Nursing and Health Innovation PhD program in nursing and healthcare innovation provides an enriching academic environment that strongly fosters scholarship, critical thinking and interprofessional collaboration. This research-focused interdisciplinary doctoral degree is designed for individuals who wish to pursue and engage in careers as leaders in health science, health education and policy, and health innovation.

The program prepares scholars with the research skills they need to generate, apply and disseminate scientific knowledge while demonstrating the leadership skills necessary for influencing health processes, outcomes, policy and innovation. Graduates are prepared to assume key positions in research, education and administration with the goal of optimizing quality of life and health across diverse populations and settings.

Edson College of Nursing and Health Innovation offers this degree program in a traditional on-site delivery format and through an innovative, synchronous online delivery format that is coupled with occasional travel to campus. Doctoral faculty mentors who represent and value a diversity of backgrounds and intellectual perspectives are committed to providing a learner-centered, research-focused doctoral education.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as a concurrent program with the following: Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (3 credit hours)
NUR 602 State of the Science in Nursing and Healthcare Innovation (3)

Electives or Research (39 credit hours)

Other Requirements (30 credit hours)
NUR 601 Scientific Role Development I: Engaging and Committing (1)
NUR 603 Social and Contextual Issues in Nursing and Healthcare (3) or NUR 610 Genomics and Population Health (3)
NUR 604 Philosophy of Science Perspectives in Nursing and Healthcare Innovation (3)
NUR 605 Theory Analysis (3)
NUR 606 Scientific Role Development II: Validating and Demonstrating (1)
NUR 607 Scientific Role Development III: Bridging (1)
NUR 608 Qualitative Research Design and Methods (3)
NUR 609 Quantitative Research Design and Methods (3)

NUR 617 Foundational Concepts in Science and Statistics (3) or DNP 679 Biostatistics: Principals of Statistical Inference (3)
NUR 618 Advancing Research-Based Health Policy Through Leadership and Innovation Science (3) or DNP 711 Healthcare Policy and Innovation (3)
NUR 671 Teaching in Academic and Practice Settings (3)
NUR 680 Research Practicum in Nursing and Health Innovation (3)

Culminating Experience (12 credit hours)
NUR 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework are made up of electives and research. From those elective and research hours, 12 credit hours are required in a substantive area of specialization and may be taken in any semester, based on availability and student interest. Twenty-four credit hours of coursework with a research focus are required, including 12 hours of dissertation credit.

Students are required to enroll in a minimum of nine credit hours per semester for years one and two of their plan of study. The plan of study can be as broad or as narrow as the student and the supervisory program committee deem necessary for the student's career goals. Students may choose from the following five substantive areas of study: aging, education, health care innovation leadership, healthy families or world health.

The program may incorporate courses from other disciplines to further refine substantive areas of study.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.50 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- current resume
- goal statement essay
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must show completion of a current inferential statistics prerequisite course.

GRE scores are recommended, but not required.

Students are admitted once a year, to start in the fall semester.

**Career Opportunities:** Career examples include:

- academic faculty (e.g., professor)
- health care executive
- health educator
- health-focused scientist

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/phd/nursing-and-healthcare-innovation-phd
HLTHN 206DC
phdnursing@asu.edu
602-496-0930

## Pediatric Nurse Practitioner (Certificate), Certificate (NUPDNPGRCT)

**Online Degree Search Title:** Pediatric Nurse Practitioner (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The certificate program for the pediatric nurse practitioner specialty is an advanced nursing practice program. It prepares graduates to provide holistic, client-centered primary care of infants, children, adolescents and young adults. It is designed for board-certified nurses in a different advanced practice registered nurse specialty area who seek additional certification as a primary care pediatric nurse practitioner and for doctorate-level nurses who seek to become a primary care pediatric nurse practitioner.

This is a hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Core courses, including advanced pharmacology, advanced pathophysiology and advanced health assessment. Any deficiency courses determined by the student's unique gap analysis must have been completed within the previous five years to be eligible for credit.

Using best evidence, specialty courses focus on health promotion and the assessment and management of culturally appropriate plans of health care for well infants, children, adolescents and young adults as well as those with minor, acute and stable complex and chronic health disorders.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the doctoral program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The program offers practicum experiences (clinical rotations) in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University nursing practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
32 credit hours.
Required Core (32 credit hours)
DNP 640 Advanced Human Pathophysiology Pediatrics (4)
DNP 641 Advanced Health Assessment Pediatrics (3)
DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)
DNP 643 Developmentally Based Care of the Well Child (3)
DNP 644 Well Child Advanced Practicum (3)
DNP 645 Management of Common Problems in Pediatric Primary Care (3)
DNP 646 Management of Common Problems in Pediatric Primary Care Practicum (5)
DNP 647 Management of Complex and Chronic Health Problems in Pediatric Primary Care (3)
DNP 648 Management of Complex and Chronic Problems Pediatric Primary Care Practicum (5)

Additional Curriculum Information
Nurses who complete this certificate program meet the eligibility requirements to take a national pediatric nurse practitioner certification examination. In addition to completing didactic courses, students complete 13 credit hours (585 clock hours) of pediatric practicum experiences in a community setting.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to read The Essentials of Doctoral Education for Advanced Nursing Practice (2006) and then submit an admission essay. It should contain the following:

- description of career goals for the next five to 10 years and discussion about how an NP certificate from ASU will help meet these goals
- description of how meeting one of the first seven essentials (from the prescribed reading, above) will further the career goals

All Edson College of Nursing and Health Innovation students are required to complete health and safety requirements, and they must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. The pediatric nurse practitioner role is well established in all urban and most rural areas of Arizona. Graduates are prepared to provide comprehensive health care for infants, children, adolescents and young adults. Careers include:

- clinical education and training of future health care providers
- community health centers
- fast track emergency departments
- outpatient primary and secondary health care clinics
- specialty health care

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Regulatory Science, MS (NURSHSMS)

**Online Degree Search Title:** Regulatory Science, MS
**Campus:** Downtown Phoenix, Online

**Program Description:** The MS program in regulatory science is designed for students interested in protecting public health through the discovery, development and marketing of medical products to the consumer. In particular, the ASU regulatory science program focuses on drugs and devices, preparing students for careers in the pharmaceutical, medical research and medical device industries.

The field of regulatory science focuses on the application of regulations throughout the lifecycle of medical products and compliance with regulations in the development, approval and marketing of medical products. This advanced degree incorporates a transdisciplinary approach to meet the unique needs of regulating bodies and the industry. While earning the Master of Science in regulatory science, students delve into all aspects of regulatory affairs including drug development, medical device development, manufacturing, regulatory submissions, clinical research, ethics, quality systems, legal aspects and global regulatory practices in the regulatory field.

**Degree Requirements:**
33 credit hours including the required applied project course (HCR 593).
Required Core (18 credit hours)
HCR 553 Quality Assurance and Clinical Research (3)
HCR 561 Responsible Conduct of Clinical Research (3)
HCR 563 Fundamentals of Regulatory Affairs (3)
HCR 576 Drug Discovery, Development and Regulations (3)
HCR 577 Global Regulatory Affairs (3)
HCR 578 Legal Aspects of Clinical Research (3)

Restricted Electives (12 credit hours)
HCR 552 Medical Device Development and Regulation (3)
HCR 555 Pharmaceutical Safety and Risk Management (3)
HCR 557 Clinical Research Design and Methods (3)
HCR 558 Technical Writing for the Regulatory Professional (3)
HCR 564 Global Regulatory Affairs Leadership (3)
HCR 568 Health Care Project Management (3)
HCR 575 Management and Negotiation of Clinical Trial Budgets and Contracts (3)
HCR 579 Translational Research in Drug Discovery and Development (3)

Culminating Experience (3 credit hours)
HCR 593 Applied Project (3)

Additional Curriculum Information
For electives coursework, students choose four courses for 12 credit hours from the restricted electives list. Other coursework may be substituted with approval from the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- two online recommendations
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The online references should be from professional colleagues, supervisors, professors or other professional contacts and should attest to the applicant's academic and leadership experiences.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/regulatory-science-ms/) for program descriptions and to request more information.

**Career Opportunities:** The field of regulatory affairs continues to grow as pharmaceutical and medical development advances. Companies are eager to hire regulatory science professionals into jobs such as:

- compliance officer
- FDA inspector
- quality assurance specialist
- quality control specialist
- regulatory affairs professional
- regulatory coordinator
- regulatory manager
- regulatory scientist

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/ms/regulatory-science-ms
MERCC 250
regulatoryscience@asu.edu
602-496-0937

## Regulatory Science (Food Safety), MS (NURGSCFSMS)

**Online Degree Search Title:** Regulatory Science (Food Safety), MS
**Campus:** Online

**Program Description:** The MS program in regulatory science with a concentration in food safety is an online program that covers contamination concerns and regulations throughout the food supply chain, from growing to distributing to selling. Courses analyze food safety regulations from local, state and federal agencies, including the U.S. Food and Drug Administration. Students also gain an understanding of the ethical and legal challenges of food safety and regulation.

The food safety concentration explores various aspects of food safety including inspections, hazard analysis, safe food practices and the handling of food emergencies. Students learn how to identify food safety issues through the use of videos and simulations and write reports on their findings. The applied learning in the program directly relates to the type of food safety problems that most frequently occur in the preparation, storage and processing of food.

This food safety master's degree is also unique in that it aligns with the content on the Certified Professional Food Manager certification exam from the National Environmental Health Association. While the degree doesn't result in certification, the program helps prepare students to take the NEHA exam.

Edson College of Nursing and Health Innovation highly recommends, but does not require, Introductory Chemistry (3 credits + 1 credit lab) and Introductory Biology (3 credits).

Students are responsible for the comprehension of the requirements of optional certification exams, credentials and employment eligibility with specific organizations. The university cannot verify students will be eligible to take or to pass exams. To successfully acquire professional certifications and credentials and to even be eligible to test for these, students may need prior work experience, additional coursework, fieldwork and background checks. Students should refer to the National Environmental Health Association (www.neha.org (www.neha.org)) for general information.

**Degree Requirements:**
33 credit hours including the required applied project course (HCR 593).
Required Core (18 credit hours)
HCR 553 Quality Assurance and Clinical Research (3)
HCR 561 Responsible Conduct of Clinical Research (3)
HCR 563 Fundamentals of Regulatory Affairs (3)
HCR 576 Drug Discovery, Development and Regulations (3)
HCR 577 Global Regulatory Affairs (3)
HCR 578 Legal Aspects of Clinical Research (3)

Concentration (12 credit hours)
HCR 543 Food Safety and Protection (3)
HCR 544 Assessing Food Safety and Developing Policy Procedures and Training (3)
HCR 550 Quality Assurance and Safety in Food and Dietary Supplements (3)
HCR 558 Technical Writing for the Regulatory Professional (3)

Culminating Experience (3 credit hours)
HCR 593 Applied Project (3)

Additional Curriculum Information
The culminating experience is an applied project course that includes a project based on a food topic studied during the degree program. Students choose a scientific, technical or regulatory project that includes a research protocol or professional presentation to industry professionals.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's science-based or related field degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-food-science/) for program descriptions and to request more information.

**Career Opportunities:** Graduates from the regulatory science degree program, with a concentration in food safety, are well suited for a variety of jobs in food safety and regulatory science. In particular, they are prepared for local, state and federal regulatory careers in agencies such as the FDA, the U.S. Department of Agriculture, state and county health departments, and food manufacturers.

Food safety regulation is a science focused on the safe handling, distribution, selling and preparation of food. Professionals in the food safety industry conduct site inspections, assess food safety hazards, develop preventative food safety procedures, create food safety policies and more depending on the position. No matter the job, the goal in food safety and regulation positions is always to protect the consumer.

Regulatory science and food safety careers include:

- environmental health specialist
- facility manager
- food inspector
- food-safe chemical supplier
- quality assurance manager
- quality control manager
- registered sanitarian
- regulatory investigator

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
MERCC 250
regulatoryscience@asu.edu
602-496-0937

## Women's Health Nurse Practitioner (Certificate), Certificate (NUWHNPGRCT)

**Online Degree Search Title:** Women's Health Nurse Practitioner (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The certificate program for the women's health nurse practitioner specialty is an advanced nursing practice program. The program prepares graduates to provide holistic, client-centered primary care for women from adolescence through older adulthood. It is designed for board-certified nurses in a different advanced practice registered nurse specialty area seeking additional certification as a women's health nurse practitioner, or for doctorate-level nurses seeking to become a women's health nurse practitioner.

This is hybrid program, a blend of in-person and online learning. Students are required to travel to campus for orientation once and for immersions two or three times per semester.

Core courses include pharmacology, advanced pathophysiology and advanced health assessment. Any deficiency courses determined by the student's unique gap analysis must have been completed in the past five years to be eligible for credit.

Specialty courses focus on the assessment, diagnosis and evidence-based management of common and complex gynecologic, sexual, reproductive, menopause-transition and post-menopause health care; uncomplicated and high-risk antepartum and postpartum care; as well as sexual and reproductive health care for men.

Courses emphasize research and theories to provide the context essential to advanced nursing practice focusing on health promotion, risk assessment and disease prevention for women across the lifespan, taking into account factors that influence health care and health outcomes.

Focused clinical experiences are arranged for students residing in Maricopa County, Arizona. Students should expect to travel throughout Maricopa County and, in some cases, surrounding counties to complete their assigned clinical placement.

Students residing outside of Maricopa County, Arizona, are responsible for identifying the required number of clinical sites in their area of residence and for identifying preceptors and sites willing to accommodate clinical rotations, and Edson College of Nursing and Health Innovation must approve these sites before starting any clinical experience; the doctoral program office does not guarantee a clinical placement site for any student outside Maricopa County. If, during the program, faculty determine the student needs additional supervision for clinical progress in the program, the student must complete clinical experiences in the Phoenix area.

The program offers practicum experiences (clinical rotations) in health profession shortage areas throughout the state, both in urban underserved and rural areas, that provide students multicultural experiences to enhance professional development.

As a participating National Council for State Authorization Reciprocity Agreements member, Arizona State University is authorized to offer distance education to persons located in individual state authorization reciprocity agreement member states in accordance with the council's established policies and standards. California is not a state authorization reciprocity agreement member and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College of Nursing and Health Innovation. These exceptions are noted on the ASU state authorization (https://admission.asu.edu/academics/authorizations) website.

Arizona State University nursing practice programs are accredited by the Commission on Collegiate Nursing Education.

**Degree Requirements:**
23 credit hours.
Required Core (23 credit hours)
DNP 613 Women's Health Promotion I (3)
DNP 614 Women's Health Practicum I (3)
DNP 615 Management of Common Problems in Women's Health (3)
DNP 616 Advanced Women's Health Practicum II (5)
DNP 617 Management of Complex and Chronic Disease in Women (3)
DNP 618 Advanced Women's Health Practicum III (6)

Additional Curriculum Information
Nurses who complete this certificate meet the eligibility requirements to take the national women's health nurse practitioner certification examination. In addition to completing didactic courses, students complete 14 credit hours (630 clock hours) of practicum experiences in a community setting.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Edson College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency, per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants must be board certified in a different APRN specialty.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to submit an admission essay addressing the applicant's career goals for the next five to 10 years and how obtaining an NP certificate from Arizona State University will help them meet these goals and how meeting one of the first seven essentials from The Essentials of Doctoral Education for Advanced Nursing Practice (2006) will further their career goals.

All Edson College of Nursing and Health Innovation students are required to complete health and safety requirements, and they must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Graduates of the women's health nurse practitioner certificate program have the knowledge and training to provide health care for patients across the lifespan in a wide variety of settings. The broad base of comprehension and clinical expertise enable graduates to effectively participate and lead within clinical, community and academic arenas.

Career examples include:

- business owner
- community advocate
- nurse practitioner
- professor

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Public Service and Community Solutions, Watts College of

### Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)

**Online Degree Search Title:** Assessment of Integrative Health Modalities (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The graduate certificate program in assessment of integrative health modalities provides students with extensive knowledge of integrative health practices and with an experiential and didactic experience in which cutting-edge research is explored, advanced skills are developed and a mindfulness practice is nurtured.

To satisfy the culminating project requirement, students may more deeply explore a topic of interest by completing an individual research paper or by performing a community activity that demonstrates mastery and application of the advanced skills acquired while enrolled in the certificate program.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
SWG 655 Quality of Life, Mastering Mindfulness (3)
SWG 656 Treating the Whole Person (3)
SWG 657 Holistic Therapies for Modern Times (3)

Transdisciplinary Electives (6 credit hours)

Additional Curriculum Information
After the completion of the three approved courses and prior to completing the last course of the program, students are required to complete a signature project highlighting their certificate experience.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in health or human services or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

In addition, applicants are required to submit to the School of Social Work:
- a resume
- a one- to two-page statement
- the School of Social Work application to the assessment of integrative health modalities certificate program

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

This certificate is open to professionals in social work, nursing or related health and human service professions from the community as well as to students currently admitted to a health and human services degree program at the master's or doctoral level.

No more than two certificate courses may be completed before applying for admission to the certificate program.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Integrate mindfulness into personal and professional lives
- •Apply knowledge of human behavior in the social environment when working with individuals, families and groups

**Career Opportunities:** Professionals with expertise in health, behavioral health and medical settings are in high demand across many disciplines including:

- education
- medicine

- nonprofit and for-profit agencies
- social services

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPSWGGRCH/graduate/false/2
UCENT 800
sswgradcerts@asu.edu
602-496-0800

## Community Resources and Development, MS (PPRECDTMS)

**Online Degree Search Title:** Community Resources and Development, MS
**Campus:** Downtown Phoenix

**Program Description:** The MS in community resources and development is offered by the School of Community Resources and Development.

The master's degree program prepares students to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

Students choose between two academic options: the thesis or the practicum professional option.

Completion of the master's degree requires two years of study, on the average.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Development, BA
Community Sports Management, BS
Community Sports Management (Events), BS
Nonprofit Leadership and Management, BS
Nonprofit Leadership and Management (American Indian Studies), BS
Parks and Recreation Management (Therapeutic Recreation), BS
Parks, Recreation and Sport Management, BS
Tourism Development and Management, BS
Tourism Development and Management (Meetings and Events), BS
Tourism Development and Management (Resort and Hotel Leadership), BS
Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).
Required Core (15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Electives (9 or 15 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or applied project. The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. The applied project option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Students in the applied project option take CRD 530 as part of their core coursework and 15 credit hours of electives.

Students in the thesis option take an advanced inquiry course as part of their core coursework and nine credit hours of electives. The thesis must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants are required to submit TOEFL or IELTS scores and a financial guarantee statement.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

**Career Opportunities:** Career opportunities after graduation include:

- community services officers
- nonprofit and nongovernmental organization officers
- parks and recreation officers
- tourism officers

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrd@asu.edu
602-496-0550

## Community Resources and Development, PHD (PPCRDPHD)

**Online Degree Search Title:** Community Resources and Development, PhD
**Campus:** Downtown Phoenix

**Program Description:** The PhD in community resources and development is a research-intensive doctoral degree program grounded in theory and designed to prepare graduates for research-oriented careers in many areas. The program is based on the concept of building sustainable and healthy communities as the unifying principle in the established focus areas of community studies; nonprofit leadership and management; parks, recreation and leisure; and tourism development and management.

The theoretical and methodological approaches embedded in this program serve to integrate scholarship in these areas in order for students to gain a more meaningful understanding of the impact on community life and dynamics.

The program is transdisciplinary in nature. The core faculty engaged in this program are housed in the School of Community Resources and Development. In addition, the program builds on current collaborations with faculty with related research interests from many ASU departments, schools and centers. In addition, the program builds on current collaborations with faculty with related research interests from many ASU departments, schools and centers.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (24 credit hours)
CRD 502 Statistical and Data Analysis (3)
CRD 555 Theoretical Perspectives in Community Development (3)
CRD 610 Sustainable Communities (3)
CRD 620 Community Research Methods (3)
CRD 640 Research Seminar in Community Resources and Development I (3)
CRD 650 Research Seminar II (3)
CRD 683 Fieldwork (3)
advanced statistics or methods (3)

Electives or Research (48 credit hours)

Culminating Experience (12 credit hours)
CRD 799 Dissertation (12)

Additional Curricular Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

All students are advised as a cohort initially by the doctoral program director. Students are required to take 24 credit hours of core coursework, 15 hours of which are with the cohort during the first year and six hours of which are with the cohort during the second year. Students are assigned an individual advisor or mentor at the end of the first year of study. A supervisory committee is also formed at the end of the first year which reflects the interests of the student and faculty.

Each student develops a plan of study in consultation with the doctoral program coordinator, advisor and supervisory committee. Students complete elective coursework, including courses from contributing disciplines, selected in consultation with their advisor to foster the transdisciplinary nature of the degree program. Students also complete at least six credit hours of CRD 792 Research and 12 credit hours of CRD 799 Dissertation. When the majority of coursework has been completed and before dissertation research is started, students must complete a written examination followed by an oral examination. These examinations must be completed within five years of admission.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- current and professional resume
- statement of academic and professional goals
- GRE test scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement. The minimum TOEFL iBT requirement is 80. The minimum IELTS requirement is an overall band score of 6.5 (no individual band below a 6.0). The TOEFL or IELTS must have been taken within the last two years.

GRE must be taken within the past five years. Applicants are expected to meet the GRE minimum requirements of combined score of at least 300, verbal minimum of 146, quantitative minimum of 140, and writing of 3.5.

The statement of academic and professional goals should be in sufficient detail to indicate compatibility with the educational objectives and capabilities of the doctoral program (approximately three pages, single spaced). Applicants need to explain their research interests and indicate the faculty member with whom they would like to work. Students should review faculty profiles (https://scrd.asu.edu/content/school-directory?sort-by=last_name_asc) to learn their research expertise. Applicants are encouraged to contact the PhD program director prior to application submission to discuss interests and fit with the program and faculty. They are also encouraged to contact faculty with similar interests to discuss their fit with the

program. Successful statements should make it clear why the applicants have chosen to do a doctorate in community resources and development and how this program will fulfill their career goals.

The recommendation letters may be a mix of academic and professional references, but each must address the applicant's capacity to successfully complete the doctoral program.

Students applying to the program are expected to have a master's degree from an accredited institution, which included a master's degree-level research methods and statistics class or classes. If deficiencies exist in community resource and development-related coursework at the master's degree level, appropriate classes are suggested.

The doctorate in community resources and development is designed as a full-time, research-intensive program. Students are admitted once a year as a cohort and are generally expected to complete the degree in three to four years. A small number of part-time students on a longer completion time frame may be admitted when space is available. The school does not provide funding for part-time students.

Applications are reviewed by the admission committee and recommendations for admission are then made by the graduate program director to the dean of the Graduate College.

**Career Opportunities:** Graduates are prepared for research-oriented careers in higher education, governmental agencies, nonprofit organizations and private-sector businesses. Career opportunities include university professor, think-tank researcher, independent scholar, consultant, foundation officer, government officer and corporate social responsibility officer.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Community Resources and Development (Nonprofits and NGOs), MS (PPCRDNPMS)

**Online Degree Search Title:** Community Resources and Development (Nonprofits and NGOs), MS
**Campus:** Downtown Phoenix

**Program Description:** The MS in community resources and development with a concentration in nonprofits and NGOs is a research-oriented degree program. Completion of the master's degree requires two years of study, on the average.

Students learn to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Nonprofit Leadership and Management, BS
Nonprofit Leadership and Management (American Indian Studies), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).
Required Core (15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Required Concentration (6 credit hours)
NLM 510 The Nonprofit Sector (3)
NLM 562 Social Entrepreneurship (3)

Elective or Research (3 or 9 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom will reside in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree-level classes.

Applicants interested in financial aid need to submit their applications by February 1 for fall semester admission and October 1 for spring semester admission. Applications are accepted on a rolling basis.

**Career Opportunities:** This degree program builds expertise in nonprofit leadership and management and prepares graduates for careers in:

- charitable associations
- foundations
- governmental agencies
- nonprofit organizations
- private-sector businesses

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/
UCENT 550
scrd@asu.edu
602-496-0550

## Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)

**Online Degree Search Title:** Community Resources and Development (Parks and Recreation Management), MS

**Campus:** Downtown Phoenix

**Program Description:** The MS in community resources and development with a concentration in parks and recreation management is a research-oriented master's degree program.

Students learn to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities. With the commitment of faculty mentors, they learn how to approach and solve problems through the lens of community solution analysis: considering all regulatory, policy and relationship factors to make informed decisions.

Courses are completed conveniently at ASU's Downtown Phoenix campus. Completion of the master's degree program requires two years of study, on the average.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Development, BA
Community Sports Management, BS
Community Sports Management (Events), BS
Parks and Recreation Management (Therapeutic Recreation), BS
Parks, Recreation and Sport Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).
Required Core (15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)
CRD 569 Advanced Tourism and Recreation Studies (3)
TDM 570 Sustainable Tourism (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

The applied project option is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants are required to submit TOEFL or IELTS scores and a financial guarantee statement.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree-level classes.

**Career Opportunities:** Graduates are prepared for careers in governmental agencies, nonprofit organizations and private-sector businesses. Career opportunities include:

- community services officers
- nonprofit and nongovernmental organization officers
- parks and recreation officers
- tourism officers

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrd@asu.edu
602-496-0550

## Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)

**Online Degree Search Title:** Community Resources and Development (Sustainable Communities), MS
**Campus:** Downtown Phoenix

**Program Description:** The MS in community resources and development with a concentration in sustainable communities is a research-oriented master's degree program designed to prepare students for their future careers by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management; nonprofits and nongovernmental organizations; and sustainable communities.

Students benefit from the commitment of faculty mentors who teach how to approach and solve problems through the lens of community solution analysis: considering all regulatory, policy and relationship factors for making informed decisions.

Courses are completed conveniently at ASU's Downtown Phoenix campus. Completion of the master's degree program in community resources and development requires two years of study, on average.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Development, BA
Community Sports Management, BS
Community Sports Management (Events), BS
Parks and Recreation Management (Therapeutic Recreation), BS
Parks, Recreation and Sport Management, BS
Tourism Development and Management, BS
Tourism Development and Management (Meetings and Events), BS
Tourism Development and Management (Resort and Hotel Leadership), BS
Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during

the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).
Required Core (15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)
CRD 610 Sustainable Communities (3)
NLM 562 Social Entrepreneurship (3) or
NLM 572 Community and Social Innovations (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related discipline from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

**Career Opportunities:** This degree program prepares graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses. Career opportunities include:

- community services officers
- nonprofit and nongovernmental organization officers

- parks and recreation officers
- tourism officers

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Community Resources and Development (Tourism), MS (PPCRDTMMS)

**Online Degree Search Title:** Community Resources and Development (Tourism), MS
**Campus:** Downtown Phoenix, ASU at Hainan

**Program Description:** The MS in community resources and development with a concentration in tourism is a research-oriented master's degree program designed to prepare graduates for careers in many areas. Completion of the master's degree program requires two years of study on average.

Students learn to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities. Students also learn how to reinvent aspects of tourism through community solutions analysis; while working with a faculty mentor, they consider all regulatory, policy and relational factors in order to make informed and innovative decisions.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Development, BA
Community Sports Management, BS
Community Sports Management (Events), BS
Tourism Development and Management, BS
Tourism Development and Management (Meetings and Events), BS
Tourism Development and Management (Resort and Hotel Leadership), BS
Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).
Required Core (15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)
CRD 569 Advanced Tourism and Recreation Studies (3)
TDM 570 Sustainable Tourism (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's

degree. Students in the thesis option take an advanced inquiry course, and they take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and take nine credit hours of electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related discipline from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

**Career Opportunities:** Graduates are prepared for careers in governmental agencies, nonprofit organizations and private-sector businesses. Career opportunities include:

- community services officers
- nonprofit and nongovernmental organization officers
- parks and recreation officers
- tourism officers

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Corrections Leadership and Management (Certificate), Certificate (PPCMGGRCT)

**Online Degree Search Title:** Corrections Leadership and Management (Graduate Certificate)
**Campus:** Downtown Phoenix, Online

**Program Description:** The graduate certificate in corrections management gives students already holding a bachelor's degree a solid foundational understanding of correctional administration, leadership and policy analysis.

The curriculum provides coursework in criminal justice organizations, corrections and community supervision, institutional management, and in cross-disciplines such as public administration.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
CRJ 514 Seminar in Corrections (3)
CRJ 529 Community Corrections (3)
PAF 520 Public Management (3)

Electives (6 credit hours)

Additional Curricular Information
For electives, students should see the academic unit for the approved course list. A culminating experience is not required for this program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application
- official transcripts
- written statement of career and educational goals
- proof of English proficiency

Students not admitted to a graduate degree-granting program at ASU (nondegree-seeking students) also must submit two letters of recommendation and a current resume.

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students from related fields, such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program; however, all eligible students are considered. Although most students likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school accepts applicants with undergraduate degrees from all educational backgrounds.

Admission examinations for this program are not required.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-corrections-management/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the corrections leadership and management graduate certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies, including the National Institute of Corrections, Federal Bureau of Prisons, and local and state-level corrections departments.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
IDPAdvising@asu.edu
602-496-1019

## Crime Analysis, MS (PPCRIMANMS)

**Online Degree Search Title:** Crime Analysis, MS
**Campus:** Online

**Program Description:** The MS program in crime analysis is focused on crime analysis as a field, applicable to all levels of government --- federal, state, local --- and to positions in private sector organizations with functional and operational activities related to crime analysis.

Students study topics relating to the current principles of crime analysis, crime mapping, and advanced statistical tools in crime analysis.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Criminology and Criminal Justice, BS
Criminology and Criminal Justice (Policing), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (CRJ 593).
Required Core (24 credit hours)
CRJ 506 Seminar in Crime Analysis (3)
CRJ 507 Social Network Analysis (3)
CRJ 508 Advanced Seminar in Crime Analysis (3)
CRJ 509 Data Management (3)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 512 Seminar in Policing (3)
CRJ 531 Crime Mapping (3)

Culminating Experience (6 credit hours)
CRJ 593 Applied Project (6)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology and criminal justice or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students with an undergraduate GPA under 3.00 may be permitted enrollment in up to 12 credit hours on a probationary basis. Those who maintain a GPA of 3.00 or higher are considered for regular admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-crime-analysis/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of this program should expect to find employment within government agencies such as local law enforcement; the Department of Homeland Security, which comprises several agencies including the Secret Service, Coast Guard, and Customs and Border Protection; adult and juvenile probation; the courts; corrections agencies; and prosecutor's offices. Personnel in this field work at the local, state or federal level to implement and maintain public and national safety. Some crime analysts also work for private organizations that deal with emergency response, law enforcement and information technology. There is also a growing demand for crime analysts in Latin America and the Caribbean, in particular, with nations seeking platforms for educating and training future and current crime analysts.

Some job titles for this career path include:

- crime data analyst
- criminal information analyst
- head of crime analysis
- intelligence analyst
- investigative analyst
- police crime analyst
- strategic data analyst

**Contact Information:**
Public Service and Community Solutions, Watts College of

School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
idpadvising@asu.edu
602-496-0485

## Crime Analysis (Certificate), Certificate (PPCRMAGRCT)

**Online Degree Search Title:** Crime Analysis (Graduate Certificate)
**Campus:** Online

**Program Description:** The graduate certificate program in crime analysis is focused on crime analysis as a field applicable to all levels of government --- federal, state, local --- and to positions in private sector organizations with functional and operational activities related to crime analysis.

Students study topics relating to the current principles of crime analysis, crime mapping, and statistical tools in crime analysis.

**Degree Requirements:**
15 credit hours.
Required Core (15 credit hours)
CRJ 506 Seminar in Crime Analysis (3)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 512 Seminar in Policing (3)
CRJ 531 Crime Mapping (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology, criminal justice, homeland security, counter-terrorism or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/crime-analysis/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of this program are prepared to implement and maintain public and national safety at the local, state and federal levels. They should expect to find employment within government agencies such as:

- adult and juvenile probation departments
- the Department of Homeland Security, which comprises several agencies including the United States Secret Service, United States Coast Guard, and U.S. Customs and Border Protection
- corrections agencies
- courts of law
- local law enforcement
- prosecutor's offices

Some crime analysts also work for private organizations that deal with emergency response and information technology.

Careers in crime analysis may fall under the category of forensic technicians, a field projected to grow 14% between 2018 and 2028, much faster than the average for all occupations, with a median salary of $59,150 per year (Bureau of Labor Statistics, 2020). Careers for graduates also may fall under the category of criminal investigators, a field expected to increase between 5 and 9 percent through 2026, with a median salary of

$81,920 (Bureau of Labor Statistics, 2018).

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
idpadvising@asu.edu
602-496-1019

## Criminal Justice, MA (PPCRIMJMA)

**Online Degree Search Title:** Criminal Justice, MA
**Campus:** Online

**Program Description:** The MA program in criminal justice is designed to provide criminal justice agency professionals with training in research methods and statistics.

Coursework covers topics of criminology and the operation of the criminal justice system. The degree program also provides students with advanced training in program planning and management, policy analysis and program evaluation.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Criminology and Criminal Justice, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including the required capstone course (CRJ 505).
Required Core (12 credit hours)
CRJ 501 Seminar in Criminal Justice (3)
CRJ 502 Seminar in Criminology (3)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)
CRJ 505 Theory and Practice in Criminal Justice (3)

Additional Curriculum Information
Students can develop specializations in areas such as policing, corrections and management by combining required and elective coursework.

Students should see the academic unit for an approved elective course list. Electives must be at the 500 level.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

Students should see the academic unit website for application deadlines.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-criminal-justice/) for program descriptions and to request more information.

**Career Opportunities:** The Master of Arts program in criminology and criminal justice is designed to help advance a career in criminal justice.

Graduates find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies at federal, state and local levels, including:

- city, county and state government liaison to criminal justice agencies
- communications supervisor (911 and dispatch)
- court administrator
- evidence and crime scene supervisor (CSI activities)
- intelligence analyzer
- law enforcement professional
- police crime analysis supervisor
- pretrial release specialist
- probation, parole or community supervisor
- property management and evidence retention supervisor
- risk manager
- veterans services specialist

Opportunities also exist in supervisory and management positions in social service agencies including:

- child and family services (e.g., Head Start, child support enforcement, foster care, elder care)
- Department of Economic Security
- homeless outreach

Graduates also have the opportunity to work in supervisory and management positions in the private sector, including online security, as well as in the cyber security sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/content/criminal-justice-ma
UCENT 600
idpadvising@asu.edu
602-496-1019

## Criminal Sentencing and Sentencing Advocacy (Certificate), Certificate (PPCSAGRCT)

**Online Degree Search Title:** Criminal Sentencing and Sentencing Advocacy (Graduate Certificate)
**Campus:** Online

**Program Description:** The certificate program in criminal sentencing and sentencing advocacy assumes that in order for any professional to function effectively they must have a fundamental knowledge of the respective roles sentencing professionals play during various phases of the criminal justice process.

In keeping with this viewpoint, all students are required to take courses for practice as both a presentence investigator and a sentencing advocate. Those courses are seminars in courts and sentencing, in presentence investigations and in alternatives to penal sanctions. After taking these required courses, students select an area of specialization to further their expertise as either a probation professional, mitigation specialist or victim advocate. They take these courses from a range of electives available in the School of Criminology and Criminal Justice and in the School of Social Work.

This interprofessional certificate program also provides participants with content on the relationship between mental disorder and crime and the way in which differential sentencing frameworks affect the sentencing of offenders suffering from mental disorders.

This program is highly recommended for social workers who desire to practice as mitigation specialists and for criminal justice professionals responsible for making recommendations about the appropriateness of sentencing alternatives for persons with known mental disorders.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
CRJ 513 Seminar in Courts and Sentencing (3)
SWG 528 Presentence Investigations (3)
SWG 529 Alternatives Penal Sanctions (3)

Electives (6 credit hours)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in social work, criminology, criminal justice or a related field, or if they are individuals who are currently enrolled in the master of criminal justice program.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

This program does not require admission examinations.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-criminal-sentencing-and-sentencing-advocacy/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Write a Presentence Report (PSR) from information provided, including police reports, victim statements, interested parties
- •Apply professional evidence-based interventions when working with offenders in the criminal justice system.

**Career Opportunities:** Social workers, criminal justice professionals and recent graduates of psychology and other social and behavioral sciences perform a number of roles in the disposition and sentencing of public offenders. They also provide support for victims of crime during the criminal justice process.

Career examples include:

- mitigation specialist
- presentence investigator
- probation professional
- sentencing advocate
- victim advocate

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPCSAGRCT/graduate/false/2
UCENT 800

sswgradcerts@asu.edu
602-496-0800

## Criminology and Criminal Justice, MS (PPCRJMS)

**Online Degree Search Title:** Criminology and Criminal Justice, MS
**Campus:** Downtown Phoenix

**Program Description:** The MS in criminology and criminal justice is a research degree program designed to provide students with a high level of theoretical and empirical knowledge about crime and criminal justice.

The program provides students with the advanced research skills and training in program planning and management and in policy and statistical analysis that are required for careers as criminal justice researchers, leadership roles in criminal justice and related agencies and organizations, and for continued study in doctoral programs in criminology and criminal justice.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

Public Administration, MPA
Public Policy, MPP

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Criminology and Criminal Justice, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours and a thesis, or 33 credit hours including the required capstone course (CRJ 505).
Required Core (12 credit hours)
CRJ 501 Seminar in Criminal Justice (3)
CRJ 502 Seminar in Criminology (3)
CRJ 503 Research Methods (3)
CRJ 504 Statistical Tools for Criminology and Criminal Justice (3)

Systems Courses (6 credit hours)
CRJ 512 Seminar in Policing (3)
CRJ 513 Seminar in Courts and Sentencing (3)
CRJ 514 Seminar in Corrections (3)

Electives (6 or 12 credits hours)

Other Requirement (0 or 3 credit hours)
CRJ 604 Regression Models (3)

Culminating Experience: (3 or 6 credit hours)
CRJ 505 Theory and Practice in Criminal Justice (3) or
CRJ 599 Thesis (6)

Additional Curriculum Information
Students select two of the three systems courses listed above.

For the culminating experience, students choose either the thesis option or the capstone course. CRJ 604 Advanced Statistical Analysis is only required for the thesis option. To satisfy the thesis requirements for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's thesis committee. Students in the capstone option are not required to take CRJ 604.

Each student's program is designed in consultation with the faculty advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement should address the applicant's prior education and professional experience, discuss the applicant's career goals, and explain how the degree can help the applicant achieve these goals.

Applicants should see the program website for application deadlines.

**Career Opportunities:** Graduates of the Master of Science program in criminology and criminal justice find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies at federal, state and local levels, including:

- city, county, and state government liaison to criminal justice agencies
- communications supervisor (911 and dispatch)
- court administrator
- evidence and crime scene supervisor (CSI activities)
- intelligence analyst
- law enforcement professional
- police crime analysis supervisor
- pretrial release specialist
- probation, parole or community supervisor
- property management and evidence retention supervisor
- risk manager
- sheriff
- veterans services specialist

Opportunities also exist in supervisory and management positions in social service agencies including:

- child and family services (e.g., Head Start, child support enforcement, foster care, elder care)
- Department of Economic Security
- homeless outreach
- victim advocacy

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
gradsccj@asu.edu
602-496-2356

## Criminology and Criminal Justice, PHD (PPCRJPHD)

**Online Degree Search Title:** Criminology and Criminal Justice, PhD
**Campus:** Downtown Phoenix

**Program Description:** The School of Criminology and Criminal Justice at Arizona State University offers an on-campus program of coursework and research leading to the PhD in criminology and criminal justice.

This program emphasizes criminal justice theory, research and policy and is designed to produce highly skilled criminology and criminal justice faculty and agency researchers and administrators.

The doctoral program is organized around five components: a comprehensive examination, a core of required courses in research methods and analytical techniques, a core of required courses in theory and research on crime and the criminal justice system, a dissertation, and elective courses in criminology, criminal justice and related fields.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Core (12 credit hours)
CRJ 601 Seminar on Criminological Theory (3)
CRJ 602 Seminar on Criminal Justice Policies and Practices (3)
CRJ 604 Regression Models (3)
CRJ 605 Topics in Quantitative Methods (3)

Theory Coursework (6 credit hours)
CRJ 521 Topics in Psychological Criminology (3)
CRJ 523 Seminar in Network Criminology (3)
CRJ 524 Theories of Punishment (3)
CRJ 525 Seminar on Life-Course Criminology (3)

Criminal Justice Systems Coursework (9 credit hours)
CRJ 512 Seminar in Policing (3)
CRJ 513 Seminar in Courts and Sentencing (3)
CRJ 514 Seminar in Corrections (3)
CRJ 517 Seminar on Juvenile Delinquency and Juvenile Justice (3)

Criminal Procedures Coursework (3 credit hours)
CRJ 537 Criminal Procedure of Investigations for Social and Forensic Scientists (3)
CRJ 538 Criminal Law and Social Control (3)
CRJ 539 Topics in Law, Crime and Justice (3)

Research Methods (6 credit hours)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 531 Crime Mapping (3)
CRJ 540 Qualitative Methods (3)
CRJ 560 Topics in Research Methods (3)

Electives (36 credit hours)

Culminating Experience (12 credit hours)
CRJ 799 Dissertation (12)

Additional Curriculum Information
A maximum of 30 credit hours of coursework from a previously awarded master's degree or JD may, with approval of the supervisory committee and the Graduate College, be applied toward the doctoral plan of study.

For the theory, criminal justice systems, criminal procedures and research methods courses, students select the number of required credit hours from the list provided. Other courses may be substituted with approval of the academic unit.

The following professional development workshop courses are recommended, but not required.
CRJ 614 Professional Development Workshop I: Professionalization
CRJ 615 Professional Development Workshop II: Preparing to Teach Effectively
CRJ 616 Professional Development Workshop III: Navigating the Academic Job Market in CCJ

All students must demonstrate proficiency in research design as well as quantitative and qualitative methods.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants should hold a master's degree from an accredited institution; it may be in criminal justice, criminology or another field (e.g. sociology, political science, history, social work, public administration, psychology or philosophy). In exceptional cases, the admission committee will consider applicants who hold only a bachelor's degree.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- GRE scores
- two letters of recommendation
- current curriculum vitae or resume
- personal statement
- sample of the applicant's written work
- proof of English proficiency.

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Requirements can be found on the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

Official transcripts must be submitted from every university or institution in which a degree was awarded.

GRE scores must be from within the last five years.

The letters of recommendation must be from faculty members or others qualified to evaluate the applicant's academic potential for doctoral study.

The personal statement should not exceed five pages, and it should describe the applicant's prior education, relevant professional experience and career goals. The statement must explain how the doctorate in criminology and criminal justice will help the applicant attain his or her career goals. The statement should explicitly explain how the student's plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU.

The applicant's sample of written work should be submitted electronically. The writing sample may be an article (published or unpublished), a research paper, or any other extended sample of expository skill, and the sample must be no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents should not be password protected. Acceptable file types are .rtf, .pdf, and .doc.

Students should see the unit website for application deadlines.

**Career Opportunities:** Graduates of the criminology and criminal justice doctorate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state, and local), policymaking, and teaching and research, including:

- city, county, and state government liaison to criminal justice agencies
- court administrator
- detective or investigator
- evidence and crime scene supervisor (CSI activities)
- forensic scientist
- intelligence analyst
- law enforcement or police crime analysis supervisor
- policy analyst
- probation, parole or community supervisor
- professor of criminal justice

Opportunities also exist in supervisory and management positions in social service agencies including:

- child and family services (e.g. Head Start, child support enforcement, foster care, elder care)
- Department of Economic Security
- homeless outreach
- victim advocacy

Graduates also have the opportunity to work in supervisory and management positions in the private sector, including online security, as well as in the cybersecurity sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600

gradsccj@asu.edu
602-496-2356

## Domestic Violence and Evidence-Based Practice (Certificate), Certificate (PPDVEPGRCT)

**Online Degree Search Title:** Domestic Violence and Evidence-based Practice (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The certificate program in domestic violence and evidence-based practice provides students with the experience and knowledge to intervene safely and effectively on behalf of survivors of gender-based violence, a vulnerable group that helping professionals are likely to encounter in all areas of practice. Graduates who have learned the dynamics of domestic violence and other forms of gender-based violence are better equipped to assist those suffering its negative physical and mental health consequences.

Evidence-based care is crucial in domestic violence settings. Students in the certificate program engage in service-based and classroom learning to understand the role of evidence-based interventions in promoting survivor safety and client empowerment. Upon completion of the program, certificate holders become verified advocates for victims of domestic violence in the state of Arizona.

**Degree Requirements:**
15 credit hours.
Required Core (3 credit hours)
SWG 545 Domestic Violence and National AmeriCorps Service (3)

Restricted Electives (6 credit hours)
SWG 546 Approaches to Teen Dating Violence Prevention (3)
SWG 618 Advanced Practice in Domestic Violence (3)
SWG 647 The Domestic Violence Movement: An Intersectional Framework (3)
SWG 648 Intimate Partner Violence Risk Assessment (3)

Other Requirement (6 credit hours)
SWG 541 Field Practicum I (3) or SWG 641 Advanced Practicum: Direct Practice I (3) or SWG 643 Advanced Practicum: Planning, Social Work Administration and Community Practice I (3)
SWG 542 Field Practicum II (3) or SWG 642 Advanced Practicum: Direct Practice II (3) or SWG 644 Advanced Practicum: Planning, Social Work Administration and Community Practice II (3)

Additional Curriculum Information
For restricted electives, students select two courses from the approved course list. Other coursework may be used with the approval of the academic unit.

For the other requirement section, students must select one course from SWG 541, SWG 641 or SWG 643 and one course from SWG 542, SWG 642 or SWG 643. Other coursework may be used with approval of the academic unit.

The student's department-specific field experience practicum credits may be substituted for the other requirement section with department approval.

All students are required to complete 300 hours (minimum) of domestic violence service through a field experience practicum. Students should work with the academic unit in coordinating the field experience practicum. Concurrent to the beginning of their field experience practicum, students take the Domestic Violence and National AmeriCorps Service core course (SWG 545) in order to learn about the foundations for working with domestic violence victims. The coursework and field experience practicum experience maximize experiential learning opportunities.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and are degree-seeking graduate students. Experience in social work, social services or a related field is required.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants interested in the domestic violence and evidence-based practice certificate are asked to attend an interview. The interview is a chance to help the student find an appropriate field experience or practicum to match the certificate requirements.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Implement evidence-based interventions when working with clients that are experiencing domestic violence.
- •Apply advocacy skills when working with clients that are experiencing domestic violence.

**Career Opportunities:** Prospective administrators, helping professionals and community activists gain practical knowledge, implement interventions backed by evidence, and develop the tools and networks to create change for survivors, families and communities.

Career examples include:

- clinician or therapist
- domestic violence or lay legal advocate
- domestic violence support group facilitator
- shelter case manager

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPDVEPGRCT/graduate/false/2
UCENT 810W
sswgradcerts@asu.edu
602-496-0800

## Emergency Management (Certificate), Certificate (PPEMEGRCT)

**Online Degree Search Title:** Emergency Management (Graduate Certificate)
**Campus:** Downtown Phoenix, Online

**Program Description:** The graduate certificate program in emergency management provides motivated students with the skills and knowledge to manage and assume positions of leadership in government, private, nonprofit and civic roles within the field of emergency management. An orientation on all-hazards and all-threats, together with an focus on community resilience and communication, provides students with a generalist perspective, which is critically important for the disaster managers of today and tomorrow.

The certificate program may be of interest to students in disciplines such as public policy, planning, political science, nonprofit management, social work, criminology and other related fields.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
PAF 520 Public Management (3)
PAF 552 Integrated Emergency Management (3)
PAF 555 Information Technology in Emergency Management (3)

Electives (6 credit hours)

Additional Curriculum Information
For electives, students should see the academic unit for an approved course list. Other coursework may be used with the approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The program is ideal for students from related fields, including political science, planning, urban and metropolitan studies, sociology as well as other social science degrees; however, applicants from all educational backgrounds may be accepted provided they meet the minimum requirements. Current ASU graduate students are eligible for the certificate as a supplement to their existing degree program. In addition, students not enrolled in a graduate program at ASU are also eligible to apply as nondegree students provided they meet the admission criteria stated above. However, MPA students in the emergency management concentration are not eligible for admission.

Students should see the program website for application deadlines.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/emergency-management-graduate-certificate/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Demonstrate expertise in comprehensive hazards governance
- Demonstrate expertise in community resilience capacity-building practices

**Career Opportunities:** Students completing this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Emergency Management and Homeland Security, MA (PPEMHSMA)

**Online Degree Search Title:** Emergency Management and Homeland Security, MA
**Campus:** Downtown Phoenix, Online

**Program Description:** The MA program in emergency management and homeland security is designed to assist in the professional development of current and future practitioners as the next generation of leaders in these fields.

The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of today's world. Its core values of collaboration between practitioners, faculty and students; public service; commitment to diversity; and critical thinking and evidence-based assessment are all central to promoting informed and effective leadership.

One of the unique features of this program is its breadth of content coverage. The program offers the following five distinct concentration areas: emergency management, homeland security, community resilience, biosecurity and threat management, and cybersecurity policy and management. These subject area specializations underscore the program's commitment to strategic thinking about current and future challenges. Likewise, the program has a number of learning opportunities from an international perspective.

When students enroll in this program, they are encouraged to choose one of these area specializations. Students can enroll in the degree program without declaring a concentration; however, selecting a concentration is advisable because doing so assists in developing the knowledge, skills and abilities pertinent to an intended career path.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including the required applied project course (PAF 593).
Required Core (18 credit hours)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 551 Hazards Governance (3)
PAF 552 Integrated Emergency Management (3)
PAF 558 Program Evaluation for Emergency Management and Homeland Security (3)
PAF 559 GIS for Hazards Analysis (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)
PAF 593 Applied Project (3)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, environmental sciences or geography, public health or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate application and application fee
- official transcripts
- evidence of current employment in an organization in this field, or at least two years prior professional experience in this or a related field, or a bachelor's degree in a related area
- two letters of recommendation
- a written statement
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-emergency-management-and-homeland-security/) for program descriptions and to request more information.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents --- Arizona State University, King's College London and UNSW Sydney --- to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to collaborate with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaboration degree program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/global-learning-network-programmes (https://www.plusalliance.org/global-learning-network-programmes)

**Career Opportunities:** Graduates with a Master of Arts in emergency management and homeland security have career opportunities illustrated in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

- cybersecurity specialist
- disaster recovery specialist
- emergency manager
- exerciser and trainer
- hazard mitigation officer
- homeland security specialist
- intelligence analyst
- planner
- public health emergency preparedness officer

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPEMHSMA/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0915

## Emergency Management and Homeland Security (Biosecurity and Threat Management), MA (PPEMHSBTMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Biosecurity and Threat Management), MA
**Campus:** Downtown Phoenix, Online

**Program Description:** Biosecurity and threat management is an important and emerging area related to the intersection of homeland security, public health and risk management. It addresses a unique set of hazard and threat management issues related to bioterrorism, agroterrorism and communicable disease threats associated with disaster incidents, as well as biodefense overall.

The biosecurity and threat management concentration within the MA program in emergency management and homeland security is designed to assist professional development aimed at meeting these types of current and emerging challenges. Some of the coursework in this concentration area is offered through the University of New South Wales (Australia) as part of the PLuS alliance program.

The students serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of today's world. Its core values of collaboration between practitioners, faculty and students; public service; commitment to diversity; and critical thinking and evidence-based assessment are all central to promoting informed and effective leadership.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including the required applied project course (PAF 593).
Required Core (18 credit hours)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 551 Hazards Governance (3)
PAF 552 Integrated Emergency Management (3)
PAF 558 Program Evaluation for Emergency Management and Homeland Security (3)
PAF 559 GIS for Hazards Analysis (3)

Concentration (6 credit hours)
PAF 564 Health Aspects of Crises, Emergencies, Disasters (3)
PAF 581 Bioterrorism and Health Intelligence (3)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement
- evidence of current employment
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement must be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

Applicants must provide evidence of current employment in an organization in this field; at least two years of prior professional experience in this or a related field; or a bachelor's degree in a related area.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-biosecurity-and-threat-management/) for program descriptions and to request more information.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents --- Arizona State University, King's College London and UNSW Sydney --- to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to collaborate with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaboration degree program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/global-learning-network-programmes (https://www.plusalliance.org/global-learning-network-programmes)

**Career Opportunities:** A biosecurity and threat management degree can help students pursue key leadership and management positions at a variety of public sector agencies at the federal, state and local levels and in related organizations. There are also private-sector job options, such as

in the hospital sector, in health care and in security.

Career examples include:

- biosafety officer
- biosecurity monitor
- biosecurity officer
- biosecurity specialist
- bioterrorism researcher
- data scientist

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPEMHSBTMA/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0915

## Emergency Management and Homeland Security (Community Resilience), MA (PPEMHSCRMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Community Resilience), MA
**Campus:** Downtown Phoenix, Online

**Program Description:** Community resilience refers to the efforts of government and nongovernment actors to develop policies and practices aimed at reducing short and long-term hazards risk in order to enhance safety, sustainability and overall community resilience capacity.

This concentration within the MA program in emergency management and homeland security is focused on understanding how community resilience is developed and promoted across government agencies (local, state and federal) as well as private and nonprofit sector organizations in which functional and operational responsibilities relate to planning, hazards mitigation, disaster recovery or sustainability. Further, it leverages international partners in Australia and the United Kingdom through the PLuS Alliance for additional course offerings.

Program students serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of today's world. Its core values of collaboration between practitioners, faculty and students, public service, commitment to diversity, critical thinking and evidence-based assessment are all central to promoting informed and effective leadership.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including the required applied project course (PAF 593).
Required Core (18 credit hours)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 551 Hazards Governance (3)
PAF 552 Integrated Emergency Management (3)
PAF 558 Program Evaluation for Emergency Management and Homeland Security (3)
PAF 559 GIS for Hazards Analysis (3)

Concentration (6 credit hours)
PAF 553 Hazard Mitigation Planning (3)
PAF 560 Community Resilience (3)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 593 Applied Project (3)

Additional Curriculum Information
Students choose one of the applied project courses listed.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-community-resilience/) for program descriptions and to request more information.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents --- Arizona State University, King's College London and UNSW Sydney --- to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to collaborate with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaboration degree program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/global-learning-network-programmes (https://www.plusalliance.org/global-learning-network-programmes)

**Career Opportunities:** The U.S. Bureau of Labor Statistics predicts faster than average job growth in the homeland security and emergency management fields over the next 10 years. Graduates with a master's degree in emergency management and homeland security with a concentration in community resilience are well suited for a variety of career opportunities, including:

- disaster recovery specialist
- emergency management
- environmental quality
- hazard mitigation specialist
- planning
- public health emergency preparedness

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPEMHSCRMA/graduate/false/2
UCENT 520
idpadvising@asu.edu

602-496-0915

## Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA (PPEHSCPMMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA
**Campus:** Downtown Phoenix, Online

**Program Description:** Cybersecurity is an important tool for addressing threat and vulnerability issues that cut across multiple domains.

The cybersecurity policy and management concentration within the MA program in emergency management and homeland security provides motivated students with knowledge, skills and abilities that will enable them to assume leadership, key management, and other key operational positions in public sector agencies or related private sector organizations, with responsibilities related to managing cybersecurity hazards in the area of homeland security, emergency management, critical infrastructure protection, risk management and other related fields.

This concentration is uniquely geared toward professionals in emergency management, homeland security, critical infrastructure protection, hazard mitigation, and planning and emergency preparedness who do not seek nor require highly technical training in cybersecurity (beyond a basic competency level) but do have major operational responsibilities that pertain to cyber-related vulnerabilities. This program is a unique contribution: It provides education and training on cyber policy and management issues for general administrators. Further, it leverages the PLuS Alliance for course offerings.

Students serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of today's world. Its core values of collaboration between practitioners, faculty and students, public service, commitment to diversity, critical thinking, and evidence-based assessment are all central to promoting informed and effective leadership.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including the required applied project course (PAF 593).
Required Core (18 credit hours)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 551 Hazards Governance (3)
PAF 552 Integrated Emergency Management (3)
PAF 558 Program Evaluation for Emergency Management and Homeland Security (3)
PAF 559 GIS for Hazards Analysis (3)

Concentration (6 credit hours)
PAF 563 U.S. Cyber and Information Security Policy (3)
PAF 576 Information Assurance Principles (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 593 Applied Project (3)

Additional Curriculum Information
Students take up to three courses as part of the PLuS Alliance program with the University of New South Wales.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied

sciences or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- professional resume
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The resume should show current employment in an organization in this field or at least two years prior professional experience in emergency management or a related field, or a bachelor's degree in a related area.

The written statement must be at least one page in length and must describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/cybersecurity-policy-and-management-ma/) for program descriptions and to request more information.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents --- Arizona State University, King's College London and UNSW Sydney --- to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to collaborate with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaboration degree program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/global-learning-network-programmes (https://www.plusalliance.org/global-learning-network-programmes)

**Career Opportunities:** Graduates with a Master of Arts in emergency management and homeland security with the cybersecurity policy and management concentration have a wide range of career opportunities, and the management of cyber-related hazards cuts across a broad set of professional areas.

Career examples include:

- crisis manager - corporate operations
- emergency management director
- emergency preparedness coordinator or specialist
- information security analyst
- logistics coordinator or manager
- security manager - corporate operations
- security operations center manager

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPEHSCPMMA/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0915

## Emergency Management and Homeland Security (Emergency Management), MA (PPEMHSEMMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Emergency Management), MA
**Campus:** Downtown Phoenix, Online

**Program Description:** The emergency management concentration within the MA program in emergency management and homeland security is designed for individuals who intend to assume greater management responsibility in helping communities reduce vulnerability to hazards and cope with disasters in both private and public settings.

Students gain an essential understanding of the entire vision, mission and principles of emergency management with an emphasis on policy analysis and program evaluation, leadership, management, use of technology, and interagency and cross-sector collaboration. Core concepts and analytic approaches to disaster risk reduction and the promotion of community resilience capacity are addressed in concentration courses.

Program students serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of today's world. Its core values of collaboration between practitioners, faculty and students; public service; commitment to diversity; critical thinking and evidence-based assessment are all central to promoting informed and effective leadership. Further, it leverages international partners in Australia and the United Kingdom through the PLuS Alliance for additional course offerings.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including the required applied project course (PAF 593).
Required Core (18 credit hours)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 551 Hazards Governance (3)
PAF 552 Integrated Emergency Management (3)
PAF 558 Program Evaluation for Emergency Management and Homeland Security (3)
PAF 559 GIS for Hazards Analysis (3)

Concentration (6 credit hours)
PAF 554 Exercises and Planning for Emergency Management and Homeland Security (3)
PAF 555 Information Technology in Emergency Management (3)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 593 Applied Project (3)

Additional Curriculum Information
For the culminating experience, students choose one of the applied project courses listed.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned from a regionally accredited institution a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, or another closely related field.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation

• written statement
• evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
• proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-emergency-management/) for program descriptions and to request more information.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents --- Arizona State University, King's College London and UNSW Sydney --- to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to collaborate with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaboration degree program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/global-learning-network-programmes (https://www.plusalliance.org/global-learning-network-programmes)

**Career Opportunities:** Graduates with a Master of Arts in emergency management and homeland security have career opportunities illustrated in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

Career options include:

• continuity of operations planner
• disaster recovery specialist
• emergency manager
• hazard mitigation officer
• logistics specialist
• training and exercises

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPEMHSEMMA/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0915

## Emergency Management and Homeland Security (Homeland Security), MA (PPEMHSHSMA)

**Online Degree Search Title:** Emergency Management and Homeland Security (Homeland Security), MA
**Campus:** Downtown Phoenix, Online

**Program Description:** This concentration within the MA program in emergency management and homeland security is focused on homeland security as a field, applicable to all levels of government (federal, state and local) and to positions in private sector organizations with functional and operational skills related to organizational security.

Students gain an essential understanding of the public policy and practice on homeland security and homeland defense issues, with an emphasis on policy analysis and program evaluation, leadership, management, use of technology interagency and cross-sector collaboration. Further, it leverages international partners in Australia and the United Kingdom through the PLuS Alliance for additional course offerings.

Students in the program serve and promote stronger and more resilient communities across public, private or nonprofit sector organizations. The program emphasizes a blended approach of practical knowledge and broader integrative thinking about the complex societal challenges of today's world. Its core values of collaboration between practitioners, faculty and students; public service; commitment to diversity; critical thinking and evidence-based assessment are all central to promoting informed and effective leadership.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including the required applied project course (PAF 593).
Required Core (18 credit hours)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 551 Hazards Governance (3)
PAF 552 Integrated Emergency Management (3)
PAF 558 Program Evaluation for Emergency Management and Homeland Security (3)
PAF 559 GIS for Hazards Analysis (3)

Concentration (6 credit hours)
CRJ 553 Terrorism and Weapons of Mass Destruction (3)
PAF 557 Interagency and Intersector Coordination for Emergencies and Disasters (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field or a bachelor's degree in a related area
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-homeland-security/) for program descriptions and to request more information.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents --- Arizona State University, King's College London and UNSW Sydney --- to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to collaborate with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaboration degree program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/global-learning-network-programmes (https://www.plusalliance.org/global-learning-network-programmes)

**Career Opportunities:** The U.S. Bureau of Labor Statistics predicts faster than average job growth in the homeland security and emergency management fields over the next 10 years. Graduates with a master's in degree in emergency management and homeland security are well suited for positions in both the public and private sectors.

Career examples include:

- cybersecurity specialist
- homeland security specialist
- intelligence analysis
- logistics specialist
- planner
- policy analyst

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPEMHSHSMA/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0915

## Homeland Security (certificate), Certificate (PPHLSGRCT)

**Online Degree Search Title:** Homeland Security (Graduate Certificate)
**Campus:** Online

**Program Description:** The graduate certificate program in homeland security is focused on homeland security as a field related to organizational security.

Students can study topics related to current international and domestic terrorism issues, global security, intelligence analysis, cybersecurity issues, crime prevention and law enforcement.

**Degree Requirements:**
18 credit hours.
Required Core (12 credit hours)
CRJ 553 Terrorism and Weapons of Mass Destruction (3)
CRJ 554 Homeland Security (3)
CRJ 557 Seminar in Domestic Terrorism (3)
CRJ 558 Seminar in International Terrorism (3)

Electives or Research (6 credit hours)

Additional Curriculum Information
Students should see the academic unit for available elective and research coursework.

Students may choose to participate in a study abroad experience in counterterrorism in Israel during the summer term that may be used to fulfill elective coursework. Students who choose this option enroll in CRJ 555 Police and International Terrorism and CRJ 556 Etiology of Martyrdom.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology, criminal justice, homeland security, counter-terrorism or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts

- letter of intent
- professional resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letter of intent, resume and letters of recommendation are not needed if the applicant is already matriculated in an ASU master's degree program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/homeland-security-grad-cert/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the homeland security graduate certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) including the Cybersecurity and Infrastructure Security Agency, U.S. Customs and Border Protection, the U.S. Secret Service, and local law enforcement agencies.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
IDPAdvising@asu.edu
602-496-1019

## Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)

**Online Degree Search Title:** Latino Cultural Competency in Social Work (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** The Latino cultural competency in social work certificate is intended for graduate social work students and current professional social workers who want a specific expertise in order to expand their employment potential. This program enhances students' capacity for engaging in culturally grounded practice with Latino clients and their communities.

The program provides social work students the opportunity to learn the critical, cross-cultural factors that influence a worker's competency in forming professional helping relationships with Latinos; understand the social and cultural context and theoretical principles of social work practice with Latinos; and learn the social service delivery issues involved in providing services for bilingual and limited- or non-English speaking Latino populations.

The School of Social Work offers Latino-oriented courses with an emphasis on Spanish language development for professional social workers.

**Degree Requirements:**
15 credit hours.
The following is required for students enrolled in the Master of Social Work program:
- completion of 480 hours of field practicum with Latino clients and communities (60% of case load to be Spanish-speaking)
- field practice consisting of six credit hours of field practicum
- six credit hours of Latino-oriented coursework
- SWG 533 Diversity and Oppression in a Social Work Context (3)

At least three credit hours are required to be taken from within the School of Social Work.

Those already working in the field of social work as a community professional social worker and community worker have the following requirements:
- six credit hours of independent study field practice consisting of the completion of 480 hours with Latino clients and communities (60% of client caseload to be Spanish-speaking)
- six credit hours of Latino-oriented coursework
- SWG 533 Diversity and Oppression in a Social Work Context (3)

Additional Curriculum Information
At least three credit hours of the Latino-oriented coursework are required to be taken from within the School of Social Work.

Students already working in the field of social work may petition to use their place of employment for the six credit hours of independent study field

practice.

Students with a Master of Social Work or BSW degree who have completed SWG 533 in the past five years may substitute another Latino-oriented course.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- the School of Social Work Latino cultural competency application form and the required $50 application fee
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

No more than two certificate courses may be completed before applying for admission to the certificate program.

Social work graduate students must have graduate status in the Watts College of Public Service and Community Solutions' School of Social Work and must demonstrate proficiency in the Spanish language.

Community professional social workers must possess a Master of Social Work, Bachelor of Social Work or related master's degree and must demonstrate proficiency in the Spanish language.

Community workers must have the equivalency of a two-year work experience in the social service field, an undergraduate degree and demonstrate proficiency in the Spanish language.

**Career Opportunities:** Graduates with this certificate can:

- demonstrate the ability to communicate with the growing monolingual Spanish speaking population
- demonstrate an understanding of issues affecting Latino populations
- increase their cultural competency as social workers regarding Latino populations

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPSWGGRCL/graduate/false/2
UCENT 800
sswgradcerts@asu.edu
602-496-0800

## Law Enforcement Administration (Certificate), Certificate (PPLEAGRCT)

**Online Degree Search Title:** Law Enforcement Administration (Graduate Certificate)
**Campus:** Downtown Phoenix, Online

**Program Description:** The graduate certificate program in law enforcement administration prepares law enforcement professionals for career advancement.

The curriculum provides a comprehensive analysis of criminal justice organizations, policing, and program analysis and includes cross-disciplinary topics such as public administration. The program is designed to give students a solid foundational understanding of law enforcement agency administration, leadership and policy analysis.

**Degree Requirements:**
15 credit hours.

Required Courses (9 credit hours)
CRJ 512 Seminar in Policing (3)
CRJ 527 Police Accountability (3)
PAF 520 Public Management (3)

Restricted Electives (6 credit hours)

Culminating Experience: none required

Additional Curriculum Information
Students should see the academic unit for the approved restricted elective course list. Restricted electives may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants who are nondegree-seeking students (not admitted to a graduate degree program at ASU) are required to submit:
- graduate admission application and application fee
- official transcripts of undergraduate and, if applicable, graduate coursework
- a written statement of career and educational goals
- two letters of recommendation
- current resume
- proof of English proficiency

Applicants who are graduate degree-seeking students (admitted to an ASU graduate program) are required to submit:
- graduate admission application
- a written statement of career and educational goals

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students from related fields such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program; however, all eligible students are considered. Although most students would likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school accepts applicants with undergraduate degrees from all educational backgrounds.

Admission examinations are not required for admission to the certificate program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-law-enforcement-administration/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the law enforcement administration graduate certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies at federal, state and local levels, including city police departments, county sheriff's offices, state bureaus of investigation and federal law enforcement agencies.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
IDPAdvising@asu.edu
602-496-1019

## Nonprofit Leadership and Management, MNLM (PPNPSMNS)

**Online Degree Search Title:** Nonprofit Leadership and Management, MNLM
**Campus:** Downtown Phoenix, Online

**Program Description:** Offered through the School of Community Resources and Development, the MNLM program is intended for mid-level professionals who desire to work in the nonprofit sector at senior leadership and management levels. The program provides an opportunity to obtain an advanced degree that addresses the unique character of nonprofit organizations and the social sector.

Students explore both theory and the practice of leadership and management in the nonprofit sector. The degree allows graduates enhanced recognition and credentials similar to those who have graduate degrees in administration or management.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Nonprofit Leadership and Management, BS
Nonprofit Leadership and Management (American Indian Studies), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
33 credit hours including the required capstone course (NLM 620).
Required Core (15 credit hours)
NLM 510 The Nonprofit Sector (3)
NLM 520 Financial and Resource Management (3)
NLM 530 Program Evaluation and Information Management (3)
NLM 540 Strategic Human Resources Management (3) or NLM 545 Volunteer Resource Management (3)
NLM 550 Philanthropy (3)

Electives (15 credit hours)
NLM 515 Nonprofit Organizational Behavior and Management (3)
NLM 525 Fundraising and Resource Development (3)
NLM 540 Strategic Human Resources Management (3) or NLM 545 Volunteer Resource Management (3)
NLM 560 Leadership and Ethics (3)
NLM 562 Social Entrepreneurship (3)
NLM 565 Grant Writing Nonprofit Organizations (3)
NLM 570 International Non-Governmental Organizations (3)
NLM 572 Community and Social Innovations (3)
NLM 580 Practicum (3-6)
NLM 598 Special Topics (3)
NLM 605 Nonprofits, Law and Society (3)
NLM 610 Executive Leadership and Governance (3)

Culminating Experience (3 credit hours)
NLM 620 Capstone: Integrative Seminar (3)

Additional Curriculum Information
Students are required to take 15 credit hours of core coursework and three credit hours of a capstone course that is completed in the final semester of program. The capstone course is integrative of all concepts learned in program allowing students to synthesize material from prior coursework. Successful completion of this course is required in place of a thesis or applied project.

Students complete 15 credit hours of related elective coursework. Electives must include NLM 580 Practicum for three to six credit hours. The purpose of the practicum is to provide managerial experience in a nonprofit organization. Applicants with specifically nonprofit managerial experience on their resume will be reviewed by the program director at the time of admission for a possible exception to the practicum requirement.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- curriculum vitae or resume
- statement of educational and career goals
- three reference letters
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

The statement of educational and career goals should be written in sufficient detail to indicate compatibility with the educational objectives and capabilities of the school.

Reference letters should be from a combination of academic and professional references. References from friends and family members are not accepted.

Students currently pursuing the nonprofit leadership and management certificate who are interested in applying for the master's program must apply to the degree program before the completion of nine credit hours in their certificate program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-certification-master-nonprofit-leadership-and-management/) for program descriptions and to request more information.

**Career Opportunities:** This degree builds expertise in nonprofit leadership and management. Career opportunities include:

- chief administrative officers
- chief executive officers
- chief financial officers
- foundation officers

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
IDPAdvising@asu.edu
602-496-0485

## Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)

**Online Degree Search Title:** Nonprofit Leadership and Management (Graduate Certificate)
**Campus:** Downtown Phoenix, Online

**Program Description:** The graduate certificate program in nonprofit leadership and management provides students with an understanding of the nonprofit sector's role in society and with knowledge applicable to those who wish to lead and manage nonprofit organizations.

Students with diverse academic backgrounds are exposed to content needed by leaders in the nonprofit sector, including understanding of the historical and philosophical context for nonprofit organizations in society; the theory and practice of philanthropy; financial management practices; and other topical content areas.

The certificate is ideal when combined with graduate degrees in other areas and when used to provide a core concentration in nonprofit leadership and management.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
NLM 510 The Nonprofit Sector (3)
NLM 520 Financial and Resource Management (3)
NLM 540 Strategic Human Resources Management (3) or NLM 545 Volunteer Resource Management (3)

Electives (6 credit hours)

Additional Curriculum Information
Students select either NLM 540 or NLM 545 as part of the required core coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

The program is available to students who are pursuing their graduate degree in a chosen field of study and who have expressed interest in pursuing careers in the nonprofit sector. In addition, the program is well-suited for working professionals who may be pursuing a graduate degree but who wish to strengthen their skills and connections in the nonprofit community and who have one to three years of nonprofit professional experience.

Applicants should see the Watts College of Public Service and Community Solutions website for more information.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Career Opportunities:** This certificate program builds expertise in nonprofit leadership and management. Career opportunities include:

- administrative officers
- community services officers
- executive officers
- financial officers
- foundation officers

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 500
IDPAdvising@asu.edu
602-496-1019

## Participatory Governance (certificate), Certificate (PPPGOGRCT)

**Online Degree Search Title:** Participatory Governance (Graduate Certificate)
**Campus:** Downtown Phoenix, Tempe

**Program Description:** This transdisciplinary certificate program combines academic rigor with practical skills. Students examine the main theories and research findings on participatory governance and public engagement and familiarize themselves with past and current democratic innovations in the U.S. and around the world. Students also develop the capacity to design, carry out and examine processes of participatory governance and public engagement.

Students may pursue the certificate program as a specialization within an existing ASU graduate program or as a stand-alone certificate.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
Choose three of the following courses:
PAF 530 Management of Urban Government (3)

PAF 531 Community Conflict Resolution (3)
PAF 565 Theories and Practices of Democracy (3)
PAF 566 Participatory Governance and Civic Engagement (3)

Electives (6 credit hours)

Additional Curriculum Information
Electives are chosen from a list of preapproved courses and are selected with the faculty advisor. The faculty advisor directs the selection of the electives to ensure that they focus on a common theme and to see that the student's experiences in the courses align with the learning goals outlined for the certificate.

Students are required to maintain a minimum GPA of 3.00 (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students from related fields such as political science, planning, urban and metropolitan studies, sociology and other social science degrees might be interested in this program. However, all eligible students are considered.

Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Demonstrate knowledge of democratic theory and its connection to participatory governance.
- Understand advantages and disadvantages of different models of participatory governance

**Career Opportunities:** Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst whose work in a local, state or federal agency, nonprofit organization, or private organization interfaces with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Policy Informatics (Certificate), Certificate (PPPOIGRCT)

**Online Degree Search Title:** Policy Informatics (Graduate Certificate)

**Campus:** Downtown Phoenix

**Program Description:** The policy informatics certificate program provides knowledge and skills to students seeking careers in which they can use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions. Emphasis is placed on theories and research concerning decision-making, complexity theory and visualization of quantitative and qualitative information, collective intelligence, behavioral economics and persuasive technologies.

**Degree Requirements:**
15 credit hours.
Five courses are required for the certificate. Students should review the certificate requirements and required courses on the School of Public Affairs' website. Students are required to maintain a minimum GPA of 3.00 (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- a statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

All materials are submitted online through the graduate admission application.

Students should see the program website for application deadlines.

**Career Opportunities:** Graduates are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in a local, state or federal agency, nonprofit organization, or private organization that interfaces with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Program Evaluation (Certificate), Certificate (PPPGEVGRCT)

**Online Degree Search Title:** Program Evaluation (Graduate Certificate)
**Campus:** Downtown Phoenix, Online

**Program Description:** Professionals in the government, nonprofit and private sectors are increasingly required to demonstrate effectiveness of programs and activities. This graduate certificate in program evaluation provides students with a solid grounding in the applied and conceptual tools of conducting evaluation research and program evaluations as well as the skills to implement evaluations.

**Degree Requirements:**
15 credit hours.
Required Core (15 credit hours)
PAF 510 Foundations of Program Evaluation I: Multiple Regression (3)
PAF 511 Foundations of Program Evaluation II: Research Design (3)

PAF 512 Foundations of Program Evaluation III: Advanced Regression Tools (3)
PAF 513 Foundations of Data Science I: Introduction to Data Programming in R (3)
PAF 541 Program Evaluation (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology and criminal justice, social work, public service, nonprofit management, parks and recreation management, tourism management, business, education, family studies, public health, education, psychology or a related social and applied sciences field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Admission examinations are not required for this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/program-evaluation-graduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** Program evaluation is valued in many fields and industries. These include educational institutions, nonprofit organizations, health care facilities, government programs and more. Once students deepen their program evaluation capacity, options for employment are diverse. Career titles with program evaluation as a central component of their role include:

- city government program manager
- compliance officer
- education curriculum or program specialist
- evaluation specialist in a public or nonprofit organization
- foundation officer
- government grant manager
- health care administrator
- monitoring and evaluation analyst
- nonprofit manager or executive director
- research analyst

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://publicservice.asu.edu/about/interdisciplinary-programs-home
UCENT 520
idpadvising@asu.edu
602-496-1019

## Program Evaluation and Data Analytics, MS (PPPGEMS)

**Online Degree Search Title:** Program Evaluation and Data Analytics, MS
**Campus:** Downtown Phoenix, Online

**Program Description:** The MS in program evaluation and data analytics is a professional degree program that emphasizes skills needed to leverage data to improve organizational performance in the public, nonprofit and private sectors. It combines courses in program evaluation with data science classes that empower students to utilize a diverse array of tools to generate insights on social impact and leverage data in

organizations.

Students receive training in data programming, visualization, dashboard design, open data, project management and impact analysis. Through this, students build the technical skills necessary to implement evidence-based approaches to policy and management.

Unlike other data scientist degrees, this program is built using public sector and nonprofit examples. Students do not need a background in computer programming before starting the program. Through a project-based curriculum and individualized attention, students develop expertise in performance and evaluation frameworks.

**Degree Requirements:**
33 credit hours including the required applied project course (PAF 593).
Required Core (21 credit hours)
PAF 510 Foundations of Program Evaluation I: Multiple Regression (3)
PAF 511 Foundations of Program Evaluation II: Research Design (3)
PAF 512 Foundations of Program Evaluation III: Advanced Regression Tools (3)
PAF 513 Foundations of Data Science I: Introduction to Data Programming in R (3)
PAF 514 Foundations of Data Science II: Data Wrangling (3)
PAF 515 Foundations of Data Science III: Project Management (3)
PAF 516 Community Analytics (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)
PAF 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in criminology and criminal justice, social work, public service, nonprofit management, parks and recreation management, tourism management, business, education, family studies, public health, psychology, or a related social and applied sciences field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/program-evaluation-and-data-analytics-ms/) for program descriptions and to request more information.

**Career Opportunities:** Program evaluation spans many fields and industries. These include educational institutions, nonprofit organizations, health care facilities, government programs and more. Options for employment are diverse for graduates who have a deepened capacity for program evaluation. Career titles with program evaluation as a central component of their role include:

- chief data officer
- city government program manager
- compliance officer
- director of evaluation or evaluation specialist
- education curriculum or program specialist
- government grant manager
- health care administrator
- monitoring and evaluation analyst
- nonprofit manager or executive director
- policy or research analyst

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPPGEMS/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0485

## Public Administration, EMPA (PPPUAEMPA)

**Online Degree Search Title:** Public Administration - Executive, EMPA
**Campus:** Online

**Program Description:** The EMPA is designed for public sector leaders throughout the world who already have achieved considerable professional success prior to being admitted into the program.

The Executive Master of Public Administration is a 19-month, online graduate degree program which also features three-day face-to-face executive sessions in both Phoenix and Washington, D.C. Students participate in the program as part of a learning cohort, and the one-course-at-a-time online structure enables them to maintain a work and life balance as they immerse in each topic.

The learning experience begins with an orientation and executive session in Phoenix. Approximately one year later, the class reconvenes in Washington, D.C., for a second executive session. The executive master's degree program ends in Phoenix, where students present their applied projects.

The ASU Executive Master of Public Administration program enables students to expand the breadth and depth of their professional network. The online curriculum attracts a more geographically diverse pool of applicants from around the world. The executive sessions in Phoenix and Washington, D.C., further enable students to develop deeper relationships with their classmates.

Executive Master of Public Administration students are selected based on their ability to demonstrate the value they would add to the learning experience of the entire class, and a new cohort begins each year.

**Degree Requirements:**
30 credit hours including the required applied project course (PAF 593).
Required Core (27 credit hours)
PAF 504 Microeconomics of Public Policy I (3) or TGM 581 Negotiating in a Global Context (3)
PAF 508 Organization Behavior (3)
PAF 574 Diversity, Ethics, and Leading Public Change (3)
PAF 582 E-Public Administration (3)
PAF 585 Strategic Planning for Public Sector Leaders (3)
PAF 586 Data Analytics for the Public Good (3)
PAF 587 Federal Budgeting and Tax Policy (3)
PAF 588 Global Public Policy (3)
PAF 589 Leadership in Public Organizations (3)

Culminating Experience (3 credit hours)
PAF 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Exceptions to the GPA requirements may be considered based on the professional achievements demonstrated by the applicant as determined by applicant's resume and other application materials. In addition to the GPA requirement, applicants are expected to have five to seven years of progressive leadership experience.

The personal statement must be 300 words or fewer and should include what experiences and qualities the student will bring to the program. The student must also discuss their career objectives and how they plan to leverage the degree to help achieve those objectives. In addition, applicants also may provide any supplementary information that would strengthen the personal statement.

**Career Opportunities:** Students in the Executive Master of Public Administration program are seeking to further advance or switch to careers in local, state, tribal and federal governments or nonprofit and private organizations that regularly interface with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://ramseyexecutive.asu.edu/content/executive-mpa
AZCT Ste 700
ramseyexecutive@asu.edu
602-496-1300

## Public Administration, MPA (PPPADTMPA)

**Online Degree Search Title:** Public Administration, MPA
**Campus:** Downtown Phoenix, ASU at Hainan

**Program Description:** The MPA is a professional degree program designed to prepare students for public service at all levels of government as well as the nonprofit and private sectors.

The program consists of a core curriculum emphasizing managerial and analytic skills needed in a large range of careers that serve the public good. Students may also elect to specialize in one of four approved concentrations:

- urban management
- nonprofit administration
- emergency management
- public finance

This program can be completed full time or part time.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

American Indian Studies (Tribal Leadership and Governance), MS
Criminology and Criminal Justice, MS
Social Work - Standard Program, MSW
Sustainability Solutions, MSUS
Urban and Environmental Planning, MUEP

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Construction Management and Technology, BS
Emergency Management and Homeland Security, BS
Political Science, BA
Political Science, BS
Public Service and Public Policy, BS
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS

Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS
Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Social Services Delivery), BS
Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
42 credit hours including the required capstone course (PAF 509).
Required Core (24 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Electives or Research (15 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives. Approved elective credit hours may include courses offered by the school or other academic units in the university.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science degrees, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Additional requirements for international students are available on the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

The letters of recommendation should be from faculty members or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Fees increase after the deadline.

Students enrolling in Master of Public Administration core courses must demonstrate minimum competency in statistics and American government, typically through the completion of an undergraduate social statistics course, such as PAF 301 Applied Statistics and undergraduate coursework in American national government, such as POS 310 American National Government. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program. Students also may satisfy the American national government competency by successfully completing a noncredit online course offered by the School of Public Affairs to incoming students.

Applicants should email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

**Career Opportunities:** Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/mpa
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration (Certificate), Certificate (PPPUAGRCT)

**Online Degree Search Title:** Public Administration (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** Through comprehensive coverage of topics in public administration, management and policy, students in the graduate certificate program in public administration discover the challenges of management, learn how to lead a public organization and understand the process of policy development.

The program is designed to give students a solid foundational understanding of administration, leadership and policy analysis in service to the public good.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
PAF 503 Public Affairs (3)
PAF 505 Public Policy Analysis (3)

Electives (9 credit hours)

Additional Curriculum Information
Electives are chosen from a list of preapproved courses and are selected with the faculty advisor. The faculty advisor directs the selection of the electives to ensure they focus on a common theme and to see that the student's experiences in the courses align with the learning goals outlined for the certificate. For the electives, the student must select any three 3-credit PAF courses at the 500 level.

Students are required to maintain a minimum GPA of 3.00 (scale is 4.00 = "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Students from related fields such as public policy, political science, planning, urban and metropolitan studies, sociology, as well as other social science degrees might be interested in this program. However, all eligible students are considered.

Students should see the program website for application deadlines and admission terms.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Employ analtyic frameworks for supporting decision-making in public organizations and contributing to the policy process
- Interact productively with a diverse and changing workforce and citizenry.

**Career Opportunities:** Graduates are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration (Emergency Management), MPA (PPPAFEMPA)

**Online Degree Search Title:** Public Administration (Emergency Management), MPA
**Campus:** Downtown Phoenix, ASU at Hainan

**Program Description:** The MPA is a professional degree program designed to prepare students for public service at all levels of government as well as the nonprofit and private sectors.

The program consists of a core curriculum emphasizing managerial and analytic skills needed in a large range of careers that serve the public good. Through a focused set of electives, the concentration in emergency management provides students with the skills and knowledge they need in order to manage and assume positions of leadership in the field of emergency management within government, private, nonprofit and civic organizations. An all-hazards and all-threats orientation, together with an focus on community resilience and communication, provides the student with a generalist perspective, which is critically important for the disaster managers of today and tomorrow.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Emergency Management and Homeland Security, BS
- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during

the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
42 credit hours including the required capstone course (PAF 509).
Required Core (24 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Required Concentration (9 credit hours)
PAF 520 Public Management (3)
PAF 552 Integrated Emergency Management (3)
PAF 555 Information Technology in Emergency Management (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include political science, criminology, planning, business, urban and metropolitan studies, and other social science fields. Although most students for the graduate concentration would likely come from the aforementioned degree fields, the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- two letters of recommendation (both of which should be academic recommendations)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students enrolling in Master of Public Administration core courses must demonstrate minimum competency in statistics and American government, typically through the completion of an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program. Students may also satisfy the American national government competency by successfully completing a noncredit online course offered by the School of Public Affairs to incoming students.

Applicants should email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

**Career Opportunities:** Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a manager or policy analyst in local, state or federal agencies; in nonprofit organizations; and in private organizations that interface with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs

https://spa.asu.edu/mpa
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)

**Online Degree Search Title:** Public Administration (Nonprofit Administration), MPA
**Campus:** Downtown Phoenix

**Program Description:** The MPA is a professional degree program designed to prepare students for public service at all levels of government as well as in the nonprofit and private sectors. The program consists of a core curriculum emphasizing managerial and analytic skills required for work in a large range of careers that serve the public good.

The nonprofit administration concentration builds on the core program though the application of administrative and leadership principles to train students as professionals who choose careers in the nonprofit sector. Students focus on the managerial aspects of running nonprofit organizations that solve specific challenges in communities around the world and that provide needed services not available through traditional markets or government providers. Students gain important skills they need in order to succeed, including financial management, volunteer management, fundraising, strategic planning, and working with boards of directors.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Emergency Management and Homeland Security, BS
- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
42 credit hours including the required capstone course (PAF 509).
Required Core (21 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 508 Organization Behavior (3)

Concentration (12 credit hours)
NLM 510 The Nonprofit Sector (3)
NLM 520 Financial and Resource Management (3)
NLM 540 Strategic Human Resources Management (3)
other approved course (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives as well as the list of courses that may fulfill the concentration

requirement. Approved elective credit hours may include courses offered by the school or other academic units in the university.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science disciplines, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Additional requirements for international students are available at the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

The letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after the deadline.

Students enrolling in Master of Public Administration core courses must demonstrate minimum competency in statistics and American government, typically through the completion of an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Completion of prerequisite courses is not a requirement for admission but they must be completed within one semester after starting the program. Students may also satisfy the American national government competency by successfully completing a noncredit online course offered to incoming students by the School of Public Affairs.

Applicants should email spa@asu.edu (mailto:spa@asu.edu) if there are questions about the application process.

**Career Opportunities:** Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as either a manager or policy analyst whose work in a local, state or federal agency, nonprofit organization or private organization interfaces with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/mpa
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration (Public Finance), MPA (PPPAFPMPA)

**Online Degree Search Title:** Public Administration (Public Finance), MPA
**Campus:** Downtown Phoenix

**Program Description:** The MPA is a professional degree program designed to prepare students for public service at all levels of government as well as in the nonprofit and private sectors.

The program consists of a core curriculum emphasizing managerial and analytic skills needed in a large range of careers that serve the public good. Through a focused set of electives, the concentration in public finance provides knowledge and skills for students seeking careers or career advancement in areas in which financial management plays an integral role in governance. The concentration deepens knowledge of urban economics, managing money in the public sector, public budgeting, and capital budgeting and financing.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Public Service and Public Policy, BS
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS
Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Social Services Delivery), BS
Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
42 credit hours including the required capstone course (PAF 509).
Required Core (24 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Concentration (9 credit hours)
PAF 521 Managing Public Money (3)
PAF 522 Advanced Governmental Financial Management: Capital Budgeting and Infrastructure Financing (3)
PAF 570 Microeconomics of Public Policy II (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information
To meet the electives or research requirement, students choose one course from NLM 520, PAF 590 and PAF 584 for three credit hours. Students also choose any PAF 500-level course for three credit hours.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science degrees, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement

- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Students enrolling in Master of Public Administration core courses must demonstrate minimum competency in statistics and American government, typically through the completion of an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program. Students may also satisfy the American national government competency by successfully completing a noncredit online course offered to incoming students by the School of Public Affairs.

Applicants should email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

**Career Opportunities:** Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/mpa
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration (Urban Management), MPA (PPPAFUMPA)

**Online Degree Search Title:** Public Administration (Urban Management), MPA
**Campus:** Downtown Phoenix

**Program Description:** The MPA is a professional degree program designed to prepare students for public service at all levels of government as well as in the nonprofit and private sectors. The program consists of a core curriculum emphasizing managerial and analytic skills required for work in a large range of careers that serve the public good.

The urban management concentration prepares students to be leaders in local government, where most services and programs to residents are managed. Through a focused set of electives and interactions with experienced city managers, students gain knowledge and develop the skills they will need in order to contribute to the operations of local government and help communities better serve the people who live there.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Public Service and Public Policy, BS
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS
Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Social Services Delivery), BS
Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**

42 credit hours including the required capstone course (PAF 509).
Required Core (24 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Concentration (12 credit hours)
PAF 523 The City and County Manager (3)
PAF 525 Public Entrepreneurship (3)
PAF 530 Management of Urban Government (3)
PAF 534 Urban Services Infrastructure (3)

Elective (3 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Related fields include political science, planning, business, urban and metropolitan studies, as well as other social science disciplines, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Additional requirements for international students are located at the international admission page (https://admission.asu.edu/international/graduate/english-proficiency).

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Students enrolling in Master of Public Administration core courses must demonstrate minimum competency in statistics and American government, typically through the completion of an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program. Students may also satisfy the American national government competency by successfully completing a noncredit online course offered to incoming students by the School of Public Affairs.

Applicants should email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

**Career Opportunities:** Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with

the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/mpa
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration and Policy, PHD (PPPUBADPHD)

**Online Degree Search Title:** Public Administration and Policy, PhD
**Campus:** Downtown Phoenix

**Program Description:** The PhD in public administration and policy is a theoretically grounded research degree program designed to prepare students for a research-based career. This is a four-year, full-time degree program.

This program is designed to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to contribution to the field through research and teaching. As a result, graduates are poised for success as productive and active scholars, researchers and teachers.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (24 credit hours)
PAF 601 Advanced Public Policy Seminar (3)
PAF 602 Advanced Research Design for Public Policy and Management (3)
PAF 603 Advanced Economics for Public Administration and Public Policy (3)
PAF 604 Intellectual Foundations of Public Administration (3)
PAF 605 Organization Theory and Behavior Seminar (3)
PAF 609 Advanced Quantitative Methods Seminar (3)
PAF 610 Advanced Qualitative Methods for Public Affairs Research (3)
PAF 620 Public Administration Professional Development Workshop (3)

Electives (42 credit hours)

Research (6 credit hours)
PAF 792 Research (6)

Culminating Experience (12 credit hours)
PAF 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree from a regionally accredited institution.

ASU's School of Public Affairs expects applicants for the doctorate to have demonstrated competency in the following subject areas at the time of application: organizational theory, public policy analysis, economics and quantitative analysis.

Applicants who have obtained a master's degree accredited by the Network of Schools of Public Policy, Affairs and Administration in public affairs, public administration or public policy are not required to complete prerequisites for admission to ASU's School of Public Affairs. In some cases, applicants from allied fields (i.e., political science, economics, sociology, business) are not required to complete prerequisites, depending upon the extent to which previous training aligns with the competencies described above.

As is the case with all applicants, the doctoral program director or advisors may require or recommend completion of courses when there is a perceived deficit, especially if the deficit relates to graduate-level quantitative analysis and economics (PAF 502 and PAF 504, respectively, or equivalent courses). However, these requirements or recommendations, if any, are not a barrier to admission.

In cases where the doctoral student applicant has graduated from a public affairs, public administration or public policy program from another nation, or from a program not accredited by NASPAA, the applicant may be admitted and required to meet prerequisites after a review by the

doctoral committee and doctoral program director.

Students applying with master's degrees from programs not closely related to public affairs (e.g., engineering, modern languages, chemistry) are required to meet prerequisites equivalent to the courses required for either ASU's Master of Public Administration or Master of Public Policy.

Prior to enrolling in any of the school's core classes, all students are expected to be familiar with the foundational competency readings related to organizational theory, public policy analysis, economics and quantitative analysis.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program and have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- completed checklist
- written statement
- current resume or curriculum vitae
- three letters of recommendation
- samples of research reports or papers
- GRE scores (verbal, quantitative, analytical)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must submit TOEFL scores to be considered for admission, regardless of their current residency; applicants should use institution code 4007. This is true even for those who have a master's degree from a United States university. To be considered for admission to the doctoral program in public administration and policy, the minimum score on a TOEFL iBT is 100. Applicants with scores below the minimum are not considered. More on the English proficiency requirement is available at the Admission Services website (https://admission.asu.edu/international/graduate/english-proficiency).

The written statement of educational and career goals must include a discussion of research interests.

The letters of recommendation should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, their ability to communicate effectively, both orally and in writing, and their commitment to completion of the program.

Only GRE test scores from within the past five years are accepted, and analytical scores are considered in admission decisions.

Admission is competitive; a limited number of well-qualified applicants are admitted each year.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Synthesize core theories, concepts, and ideas as used and applied in public administration and policy.
- •Able to carry out an independent research project.
- •Able to design curriculum for public service students

**Career Opportunities:** Graduates of this degree program are prepared to conduct high-level research and policy development in academic careers, public and nonprofit agencies, foundations and research institutes. This may include opportunities as a college or university professor, research scientist, research associate or researcher for another organization.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/phd
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration and Policy (Urbanism), PHD (PPPAURBPHD)

**Online Degree Search Title:** Public Administration and Policy (Urbanism), PhD
**Campus:** Downtown Phoenix

**Program Description:** The PhD in public administration and policy is a theoretically grounded research degree program designed to prepare

students for an academic career. The program is also appropriate for individuals who want to conduct high-level research and policy development in public and nonprofit agencies, foundations and research institutes. It is designed for students who seek full-time study.

The goal is to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to make a positive and important contribution to the field through teaching and research.

The doctoral program in public administration and policy with an urbanism concentration permits students to draw upon the extensive resources in urban affairs at ASU. As a result, these students are poised for success as productive and active scholars, researchers and teachers upon graduation.

The concentration in urbanism is a mechanism for organizing varied perspectives on urbanism into a collective body of scholarship. The study of public administration is enriched by grounding it in a comprehensive understanding of the characteristics of urban context and the dynamic forces that shape them. The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students are able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

**Degree Requirements:**
90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (24 credit hours)
PAF 601 Advanced Public Policy Seminar (3)
PAF 602 Advanced Research Design for Public Policy and Management (3)
PAF 603 Advanced Economics for Public Administration and Public Policy (3)
PAF 604 Intellectual Foundations of Public Administration (3)
PAF 605 Organization Theory and Behavior Seminar (3)
PAF 609 Advanced Quantitative Methods Seminar (3)
PAF 610 Advanced Qualitative Methods for Public Affairs Research (3)
PAF 620 Public Administration Professional Development Workshop (3)

Concentration (3 credit hours)
PAF 530 Management of Urban Government (3)
PAF 534 Urban Services Infrastructure (3)
PAF 560 Community Resilience (3)

Urbanism Electives (9 credit hours)

Research (6 credit hours)
PAF 792 Research (6)

Electives (36 credit hours)

Culminating Experience (12 credit hours)
PAF 799 Dissertation (12)

Additional Curriculum Information
Students may choose PAF 530, 534 or 560 for their concentration course requirement.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- completed checklist
- written statement
- current resume or curriculum vitae
- three letters of recommendation
- samples of research reports or papers

- scores on the GRE (verbal, quantitative, analytical)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must submit TOEFL scores to be considered for admission, regardless of their current residency (the ASU institution code is 4007). This is true even for those who have a master's degree from a United States university. To be considered for admission to the doctoral program in public administration and policy, the applicant's minimum score on an iBT TOEFL must be 100. Applicants with scores below the minimum are not considered. More on the English proficiency requirement is available at the admissions website (https://admission.asu.edu/international/graduate/english-proficiency).

The written statement of educational and career goals must include a discussion of research interests.

The letters of recommendation should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, ability to communicate effectively both orally and in writing, and commitment to completion of the program.

Only GRE test scores from within the past five years are accepted, and analytical scores are considered in admission decisions.

All applicants are expected to have completed graduate level statistics and research methods classes before admission. Applicants also are expected to have sufficient formal coursework in public administration to pursue doctoral study in the field. Admitted students are required to take PAF 501, PAF 502, PAF 503, PAF 504, PAF 508 (or their equivalents) and statistics prior to beginning the doctoral core courses. Applicants who are not pursuing an MPA should not take these courses until they consult with the doctoral program director.

Applicants are admitted for fall only. Admission is competitive; a limited number of well qualified applicants are admitted each year. Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Analyze major theories & related research literature in public administration.
- •Conduct research independently that advances knowledge in public administration & urban affairs.
- •Conduct research independently that advances knowledge in public administration & urban affairs.

**Career Opportunities:** Students receiving this degree are prepared to pursue a research career in a field related to public administration or public policy. This may include opportunities as a college or university professor, research scientist, research associate or researcher for another organization.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/phd
UCENT 400
spa@asu.edu
602-496-0450

## Public Policy, MPP (PPPUBPMPP)

**Online Degree Search Title:** Public Policy, MPP
**Campus:** Downtown Phoenix

**Program Description:** The MPP program equips students with the analytical tools they need in order to understand and address public policy issues. Students also develop skills in managing the process of policy development, approval, implementation and evaluation, as well as gain policy-specific knowledge on issues such as poverty, education, the environment and public safety.

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:
- Criminology and Criminal Justice, MS
- Sustainability Solutions, MSUS
- Urban and Environmental Planning, MUEP

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Political Science, BA
Political Science, BS
Public Service and Public Policy, BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS
Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Social Services Delivery), BS
Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
42 credit hours including the required capstone course (PAF 509).
Required Core (27 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 570 Microeconomics of Public Policy II (3)
PAF 573 Applied Econometrics (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Policy Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- two letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Additional requirements for international students are available on the Admission Services website (https://admission.asu.edu/international/graduate-apply).

The letters of recommendation must be from faculty or other academic staff who can evaluate applicant's academic performance.

The one- to two-page written statement should state the applicant's educational and career goals; it also is used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after deadline.

Students enrolling in Master of Public Policy core courses must demonstrate minimum competency in statistics and American government, typically through the completion of an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Completion of prerequisite courses is not a requirement for admission but they must be completed within one semester after starting the program. Students may also satisfy the American national government competency by successfully completing a noncredit online course offered to incoming students by the School of Public Affairs.

Applicants should email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

**Career Opportunities:** Graduates of this degree program are prepared for professional careers as policy analysts and leaders in public service involved in the creation and management of public policy at all levels of government and in the private and nonprofit sectors. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; in nonprofit organizations; and in private organizations that interface with public sectors.

The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Public Policy (Certificate), Certificate (PPPUPGRCT)

**Online Degree Search Title:** Public Policy (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** This certificate program in public policy is designed to give students analytical techniques and conceptual frameworks for understanding policy issues as well as for identifying potential solutions and applying these skills to real-world issues.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
PAF 505 Public Policy Analysis (3)
PAF 540 Adv Policy Analysis (3)
PAF 541 Program Evaluation (3)

Electives (6 credit hours)

Additional Curriculum Information
The electives are chosen from a list of preapproved courses and are selected with the faculty advisor. The faculty advisor directs the selection of the electives to ensure that they focus on a common theme and to see that the students' experiences in the courses align with the learning goals outlined for the certificate. For the electives, students select any two three-credit PAF courses that are 500 level.

Students are required to maintain a minimum GPA of 3.00 (scale is 4.00 = "A") and to have no more than one grade below a "B" in courses taken to complete the certificate program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Students from related fields (e.g., public administration, political science, planning, urban and metropolitan studies, sociology, and other social science fields) might be interested in this program. However, all eligible students are considered.

Students should see the program website for application deadlines and admission terms.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Apply analytic techniques for developing, comparing, and improving public policy solutions.

- Lead evidence-based efforts to solve public challenges within diverse and changing organizations and societies.

**Career Opportunities:** Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Public Policy (Environmental Policy), MPP (PPPUPEPMPP)

**Online Degree Search Title:** Public Policy (Environmental Policy), MPP
**Campus:** Downtown Phoenix

**Program Description:** The MPP program equips students with the analytical tools needed to understand and address public policy issues. Students also develop skills in managing the process of policy development, approval, implementation and evaluation.

Through a focused set of electives, the MPP concentration in environmental policy deepens student expertise in specific areas and issues, such as the greening of local governments and policy evaluation of public and private partnerships, and builds the knowledge base and skills that will enable them to bring sustainability solutions to the government, corporate and nonprofit sectors.

At the conclusion of the master's degree program, students are prepared to apply sustainability principles and approaches to careers in a variety of fields that address environmental and, inevitably, human challenges.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security, BS
Public Service and Public Policy, BS
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS

Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Social Services Delivery), BS
Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
42 credit hours including the required capstone course (PAF 509).
Required Core (27 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 570 Microeconomics of Public Policy II (3)
PAF 573 Applied Econometrics (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (6 credit hours)
PAF/SOS 545 Creating Sustainable Organizations (3)
PAF 546 Environmental Policy and Management (3)

Restricted Electives (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Related fields include political science, sustainability, planning, business, urban and metropolitan studies and other social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Additional requirements for international students are at the international graduate admission (https://admission.asu.edu/international/graduate-apply) website.

The letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Fees increase after the deadline.

Students enrolling in Master of Public Policy core courses must demonstrate minimum competency in statistics and American government, typically through the completion of an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Completion of prerequisite courses is not a requirement for admission but they must be completed within one semester after starting the program. Students may also satisfy the American national government competency by successfully completing a noncredit online course offered by the School of Public Affairs to incoming students.

Applicants should email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

**Career Opportunities:** Graduates have an understanding of policies that address issues such as poverty, education, the environment and public safety, and they are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as either a manager or policy analyst whose work in a local, state or federal agency, nonprofit organization, or private organization interfaces with the public sector.

The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Public Policy (Policy Informatics), MPP (PPPUPPIMPP)

**Online Degree Search Title:** Public Policy (Policy Informatics), MPP
**Campus:** Downtown Phoenix

**Program Description:** The MPP program equips students with the analytical tools they need to understand and address public policy issues. Students also develop skills in managing the process of policy development, approval, implementation and evaluation as well as gain policy-specific knowledge on issues such as poverty, education, the environment and public safety.

Through a focused set of electives, the policy informatics concentration provides knowledge and skills to students seeking careers in which they can use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions and explore new governance infrastructures. Emphasis is placed on theories and research concerning decision-making, complexity theory and visualization of quantitative and qualitative information, collective intelligence, behavioral economics and persuasive technologies.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Emergency Management and Homeland Security, BS
- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
42 credit hours including the required capstone course (PAF 509).
Required Core (27 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)

PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 573 Applied Econometrics (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (9 credit hours)
PAF 591 Topic: Complexity in Public Policy and Management (3)
PAF 591 Topic: e-Public Administration (3)
PAF 591 Topic: Introduction to Policy Informatics (3)

Restricted Electives (3 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related field, from a regionally accredited institution. Related fields include political science, planning, business, urban and metropolitan studies as well as other social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Additional requirements for international students are at the international graduate admission (https://admission.asu.edu/international/graduate-apply) webpage.

The letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Application fees increase after deadline.

Students enrolling in Master of Public Policy core courses must demonstrate minimum competency in statistics and American government, typically through the completion of an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Completion of prerequisite courses is not a requirement for admission but they must be completed within one semester after starting the program. Students may also satisfy the American national government competency by successfully completing a noncredit online course offered to incoming students by the School of Public Affairs.

Applicants should email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

**Career Opportunities:** Graduates are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as either a manager or policy analyst in a local, state or federal agency, nonprofit organization, or private organization that interfaces with the public sector.

The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Public Policy (Science and Technology Policy), MPP (PPPUPSTMPP)

**Online Degree Search Title:** Public Policy (Science and Technology Policy), MPP
**Campus:** Downtown Phoenix, Tempe

**Program Description:** The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety. At the conclusion of the master's degree program, students are able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students also are able to approach policy analysis with a variety of quantitative and qualitative methods and are prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The Master of Public Policy program with a concentration in science and technology policy provides knowledge and skills for students seeking or advancing careers in areas in which science and technology are either guided by public policy or play an integral role in the policy process. This concentration emphasizes theories and research concerning the role of science in decision-making, complexity theory, institutional design of knowledge production organizations, national innovation systems, innovation and industrial policy, technology transfer and research evaluation.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Public Service and Public Policy, BS
- Public Service and Public Policy (American Indian Studies), BS
- Public Service and Public Policy (Business), BS
- Public Service and Public Policy (Criminology), BS
- Public Service and Public Policy (Emergency Management and Homeland Security), BS
- Public Service and Public Policy (Health Policy), BS
- Public Service and Public Policy (Law and Policy), BS
- Public Service and Public Policy (Nonprofit Leadership and Management), BS
- Public Service and Public Policy (Parks and Recreation Management), BS
- Public Service and Public Policy (Science and Technology Policy), BS
- Public Service and Public Policy (Social Services Delivery), BS
- Public Service and Public Policy (Sustainability), BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
42 credit hours including the required capstone course (PAF 509).
Required Core (27 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 570 Microeconomics of Public Policy II (3)
PAF 573 Applied Econometrics (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (6 credit hours)

HSD 501 Science and Technology Policy (3)
PAF 591 Topic: Innovation Policy and Management (3)

Restricted Electives (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. Additional requirements for international students are at the international graduate admission (https://admission.asu.edu/international/graduate-apply) website.

Applicants may also submit a resume or other documents.

The letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages and describe the applicant's educational and career goals. The written statement is also used as a sample of the applicant's writing abilities.

Students enrolling in Master of Public Policy core courses must demonstrate minimum competency in statistics and American government, typically through the completion of an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Completion of prerequisite courses is not a requirement for admission but they must be completed within one semester after starting the program. Students may also satisfy the American national government competency by successfully completing a noncredit online course offered to incoming students by the School of Public Affairs.

Applicants should email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

**Career Opportunities:** Gradates with this degree are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as either a manager or policy analyst in a local, state or federal agency, nonprofit organization, or private organization that interfaces with public sectors.

The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Public Safety Leadership & Administration (Emergency Medical Services-Mobile Integrated Healthcare), MPSLA (PPPSEMMPSL)

**Online Degree Search Title:** Public Safety Leadership and Administration (EMS - Mobile Integrated Health Care), MPSLA
**Campus:** Online

**Program Description:** The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to progress in their professions: a practical understanding of public safety organization administration.

The emergency medical services mobile integrated health care concentration provides the foundation for leadership and administration of EMS organizations. This program takes a multiprofessional approach to administration of EMS organizations and encompasses public policy and administration, organizational management and leadership, finance and data analysis. Students develop a platform of knowledge and skills on which to build a solid foundation for success within the field of EMS administration.

**Degree Requirements:**
33 credit hours including the required applied project course (CRJ 593).
Required Core (15 credit hours)
CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3) or PAF 506 Public Budgeting and Finance (3)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 574 Executive Leadership Principles in Public Service (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Concentration (9 credit hours)
CRJ 571 Foundations of Emergency Medical Services (3)
CRJ 572 Community Paramedicine: Mobile Integrated Health Care (3)
HCD 502 Health Care Systems and Design (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
CRJ 593 Applied Project (3)

Additional Curriculum Information
Students choose two courses from a restricted list or any graduate-level CPP or PAF course, with program approval, for the electives or research credits.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited college or university.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in degree program or concentration field or at least two years prior professional experience in chosen degree program or concentration field
- resume/curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should be 1-2 pages in length and describe your prior education, relevant professional experience, and career goals, and explain how the criminal justice program will help you attain your career goals. The statement should explicitly explain how your plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU. It is recommended that applicants who feel as if they are weak in a particular area or admission requirement address their plan to remedy any shortcomings should they be granted provisional admission into the degree program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-emergency/) for program descriptions and to request more information.

**Career Opportunities:** With the Master of Public Safety Leadership and Administration degree from ASU, graduates are in a position to lead and improve EMS teams in mobile integrated health care. They have knowledge and skills that uniquely qualify them for leadership positions in different types of EMS agencies, such as hospitals, public health departments and managed care organizations. Graduates should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

Specific career opportunities include:

- ambulance dispatcher
- emergency medical technician
- firefighter
- medical assistant
- paramedic

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPPSEMMPSL/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0915

## Public Safety Leadership and Administration, MPSLA (PPPSLAMPSL)

**Online Degree Search Title:** Master of Public Safety Leadership and Administration, MPSLA
**Campus:** Online

**Program Description:** The MPSLA is a graduate degree program designed around the needs of public safety professionals.

This graduate program, with accomplished faculty and an intricately connected curriculum, endeavors to advance students' leadership and policy and administrative acumen. Students gain skills in data analysis, organizational management and leadership, and public policy and administration.

Graduates have a practical understanding of public safety organization administration.

**Degree Requirements:**
33 credit hours including the required applied project course (CRJ 593).
Required Core (15 credit hours)
CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3) or PAF 506 Public Budgeting and Finance (3)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 574 Executive Leadership Principles in Public Service (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)
CRJ 593 Applied Project (3)

Additional Curriculum Information
Students should see the academic unit for approved elective course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, environmental sciences or geography, public health, or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written personal statement
- evidence of current employment in an organization in degree program or concentration field or at least two years prior professional experience in chosen degree program or concentration field
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency

The written statement should be one to two pages in length and describe the applicant's prior education, relevant professional experience, and career goals, and explain how the criminal justice program will help in attaining their career goals. The statement should explicitly explain how the applicant's plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU. It is recommended that applicants who feel as if they are weak in a particular area or admission requirement address their plan to remedy any shortcomings should they be granted provisional admission into the degree program.

Admission examinations are not required.

Current employment in an organization in this field, at least two years of prior professional experience in this or a related field, or a bachelor's degree in a related area is required.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-public-safety-leadership-and-administration/) for program descriptions and to request more information.

**Career Opportunities:** An advanced degree is increasingly important for career progression within public safety administration.

Graduates of this program are prepared for pursuit of management, leadership and administrative career paths in all levels of government and public safety agencies and organizations, such as the police force, hospitals and rescue services, the fire department and more, as well as in private sector organizations.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPPSLAMPSL/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0915

## Public Safety Leadership and Administration (Executive Fire Administration), MPSLA (PPPSEFMPSL)

**Online Degree Search Title:** Public Safety Leadership and Administration (Executive Fire Administration), MPSLA
**Campus:** Online

**Program Description:** The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions --- a practical understanding of public safety organization administration.

This graduate program, through its accomplished faculty and intricately connected curriculum, endeavors to advance student leadership, policy and administrative acumen.

The executive fire administration concentration program prepares students to handle the challenges facing chief officers. With coursework in strategic planning, public policy and administration, leadership and organizational management, data analysis, finance and technology, students develop a platform of knowledge and skills to build a solid foundation for success within the field of executive fire administration.

**Degree Requirements:**
33 credit hours including the required applied project course (CRJ 593).

Required Core (15 credit hours)
CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3) or PAF 506 Public Budgeting and Finance (3)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 574 Executive Leadership Principles in Public Service (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Concentration (9 credit hours)
CRJ 570 Leadership for Innovation in Public Fire Services (3)
CRJ 573 Emergency Services: Operations Analysis and Planning (3)
PAF 560 Community Resilience (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
CRJ 593 Applied Project (3)

Additional Curriculum Information
Students choose two courses from a restricted list or any graduate-level CPP or PAF course, with program approval, for the electives or research credits.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written personal statement
- evidence of current employment in an organization in degree program/concentration field or at least two years prior professional experience in chosen degree program/concentration field
- resume/curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should be one to two pages in length and describe the applicant's prior education, relevant professional experience, and career goals, and explain how the criminal justice program will help them attain their career goals. The statement should explicitly explain how their plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU.

It is recommended that applicants who feel as if they are weak in a particular area or admission requirement address their plan, to remedy any shortcomings, should they be granted provisional admission into the degree program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-executive-fire/) for program descriptions and to request more information.

**Career Opportunities:** Graduates with a concentration in fire administration are well equipped to drive innovation from the upper levels of fire service in federal, state and local fire departments and emergency management agencies. They should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

Career examples include:

- fire inspector

- fire investigator
- fire prevention and protection engineer
- firefighter supervisor
- municipal firefighter

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPPSEFMPSL/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0915

## Public Safety Leadership and Administration (Executive Police Administration), MPSLA (PPPSEPMPSL)

**Online Degree Search Title:** Public Safety Leadership and Administration (Executive Police Administration), MPSLA
**Campus:** Online

**Program Description:** The MPSLA is a graduate degree program designed primarily for public safety professionals. Those with an advanced degree have an important advantage to career progression within public safety administration: a practical understanding of public safety organization administration.

This graduate program, through its accomplished faculty and intricately connected curriculum, endeavors to advance students' leadership, policy and administrative acumen.

The executive police administration concentration program provides law enforcement professionals with the highly specialized knowledge and practical skills required to rise to leadership positions in a law enforcement organization. This program enhances the leadership, management and administrative skills and the knowledge and ability of present and future senior and mid-level managers, and it addresses the critical areas in the management of a contemporary law enforcement agency.

**Degree Requirements:**
33 credit hours including the required applied project course (CRJ 593).
Required Core (15 credit hours)
CPP 521 Public Finance and Project Management for Emergency Management and Homeland Security (3) or PAF 506 Public Budgeting and Finance (3)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 574 Executive Leadership Principles in Public Service (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Concentration (9 credit hours)
CRJ 501 Seminar in Criminal Justice (3)
CRJ 516 Seminar in Criminal Justice Organization and Management (3)
CRJ 518 Seminar on Race/Ethnicity, Crime and Justice (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
CRJ 593 Applied Project (3)

Additional Curriculum Information
Students choose one course from a restricted list or any graduate-level CPP, CRJ or PAF course, with program approval, for the electives or research credit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in degree program or concentration field or at least two years prior professional experience in chosen degree program or concentration field
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The written statement should be one to two pages in length and describe the applicant's prior education, relevant professional experience, and career goals, and it should explain how the criminal justice program will help them attain their career goals. The statement should explicitly explain how the applicant's plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU. It is recommended that applicants who feel as if they are weak in a particular area or in an admission requirement address their plan to remedy any shortcomings should they be granted provisional admission into the degree program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-executive-police/) for program descriptions and to request more information.

**Career Opportunities:** Graduates are equipped to perform managerial duties in federal, state, local, territorial and tribal law enforcement agencies. They also are prepared for probation and parole, child support services, homeland security and allied security professions. Graduates should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

Career examples include:

- chief of police
- first-line police supervisor
- police detective
- police dispatcher
- special agent

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPPSEPMPSL/graduate/false/2
UCENT 520
idpadvising@asu.edu
602-496-0915

## Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)

**Online Degree Search Title:** Social Entrepreneurship and Community Development (Graduate Certificate)
**Campus:** Downtown Phoenix, Online

**Program Description:** The social entrepreneurship and community development graduate certificate program provides a framework for harnessing entrepreneurial and enterprise opportunities and creating transformative responses to challenges prevalent in communities and society. The program combines social entrepreneurship with community and social innovation, providing a basis for exploring capacity building and fostering positive change for organizations, communities and societies.

The certificate is designed for students studying nonprofit leadership and management, social entrepreneurship, public policy, innovation and related fields across disciplines, and it can be added added to a ASU master's degree program.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
NLM 562 Social Entrepreneurship (3)
NLM 572 Community and Social Innovations (3)

Electives (9 credit hours)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-social-entrepreneurship-community-development/) for program descriptions and to request more information.

**Career Opportunities:** Social entrepreneurship is at the leading edge of public, private and nonprofit innovation. Career options include executive officers, administrative officers, financial officers and foundation officers.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
IDPAdvising@asu.edu
602-496-1019

## Social Work, MSW (PPSWDMSW)

**Online Degree Search Title:** Social Work - Standard Program, MSW
**Campus:** Downtown Phoenix, ASU at Tucson, Online

**Program Description:** The professional program leading to the MSW degree prepares social workers for advanced direct practice, including responding effectively to individuals, families and groups, with an emphasis on preparation for working with populations of the American Southwest.

The first year of the standard program focuses on curriculum and gaining skills that build a foundational knowledge in social work. The second year of the program allows students to focus their coursework in a specific area in order to build specialized practice knowledge.

The Master of Social Work program is accredited by the Council on Social Work Education.

ASU Sync
Students on I-20 visas are not permitted to complete courses via ASU Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Concurrent Program Options:**
Students can choose to create their own concurrent degree combination to match their interests by working with their academic advisor during or after their first semester of study. Some concurrent combinations are not possible due to high levels of overlap in curriculum; students should speak with their academic advisor for more details.

This degree is also offered as concurrent degree program with:

American Indian Studies (Indigenous Rights and Social Justice), MS
Juris Doctor, JD
Public Administration, MPA

**Degree Requirements:**

51 credit hours and a portfolio, or 51 credit hours and a thesis, or 51 credit hours including the required applied project course (SWG 593 or SWG 693), or 51 credit hours including the required capstone course (SWG 621) , or 54 credit hours and a portfolio, or 54 credit hours and a thesis, or 54 credit hours including the required applied project course (SWG 593 or SWG 693), or 54 credit hours including the required capstone course (SWG 621), or 57 credit hours and a portfolio, or 57 credit hours and a thesis, or 57 credit hours including the required applied project course (SWG 593 or SWG 693), or 57 credit hours including the required capstone course (SWG 621), or 60 credit hours and a portfolio (MSW/MPA concurrent degree), or 60 credit hours and a thesis (MSW/MPA concurrent degree), or 60 credit hours including the required applied project course (SWG 593 or SWG 693) - Advanced Generalist Track, or 60 credit hours including the required capstone course (SWG 621) (MSW/MPA concurrent degree).
STANDARD PROGRAM (ground immersion):

Required Core (3 credit hours)
SWG 510 Foundation Practice I (3)

Foundation Coursework (18 to 27 credit hours)
SWG 501 Human Behavior and the Social Environment I (3)
SWG 502 Human Behavior and the Social Environment II (3)
SWG 511 Foundation Practice II (3)
SWG 519 Research Methods in Social Work (3)
SWG 531 Social Policy and Services (3)
SWG 533 Diversity and Oppression in a Social Work Context (3)
SWG 541 Field Practicum I (3)
SWG 542 Field Practicum II (3)
SWG 585 Macro Social Work Practice (3)

Restricted Electives (21 to 27 credit hours)

Other Requirements (3 credit hours)
SWG 610 Advanced Social Work Practice III (3) or
SWG 619 Practice-Oriented Research (3) or
SWG 623 Program Evaluation (3)

Culminating Experience Options (0 to 6 credit hours)
portfolio (0) or
SWG 593 Applied Project (3) or
SWG 599 Thesis (6) or
SWG 621 Integrative Seminar (3) or
SWG 693 Applied Project (3)

ADVANCED GENERALIST TRACK (digital immersion):

Required Core (3 credit hours)
SWG 510 Foundation Practice I (3)

Advanced Generalist Track Coursework (54 credit hours)

Culminating Experience Options (3 credit hours)
SWG 593 Applied Project (3) or
SWG 693 Applied Project (3)

Additional Curriculum Information
Students on the 51, 54 and 57 credit hour paths have an undergraduate Council on Social Work Education-accredited BSW in social work degree or BA degree in community advocacy and social policy. Path selection depends on the student's educational background. Students are to consult an academic advisor in the unit.

The 60 credit hour advanced generalist track is the digital immersion option. These students have a bachelor's or master's degree from a regionally accredited institution. Students in the 60 hour path must take foundation year coursework in restricted electives per CSWE accreditation standards.

All credit hour path criteria must be approved by the academic unit prior to selection in the iPOS. A student interested in moving to a concentration should notify the academic advisor prior to submitting their iPOS. The academic unit advises and monitors students to ensure they choose the

appropriate coursework.

The number of credit hours required for restricted electives depends on the credit hour path chosen and the culminating experience. Students should see the academic unit for a complete list of approved electives.

The foundation year includes basic courses in direct practice, organizational and community change, social policy, human behavior and research. Foundation coursework is selected in consultation with the academic advisor. Students are required to complete two practicums: a foundation field placement (480 hours) and a specialization field placement (480 hours) in a different setting.

Other requirement coursework may be substituted with approval of the academic unit.

The program may be completed within four semesters (two years) or six semesters (three years).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a closely related field from a regionally accredited institution.

The School of Social Work requires one of the following:

- undergraduate degree with 30 credit hours in liberal arts courses at the undergraduate or graduate level
- Bachelor of Social Work from a Council on Social Work Education-accredited school of social work
- liberal arts undergraduate degree

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- signed standards of ethical and professional behavior form
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, from the applicant's supervisor.

Professional resume should include both work and volunteer experience in social service organizations. In order to be considered for possible admission, applicants who do not have work experience in social service organizations are required to have a minimum of 240 hours of volunteer experience in the social services over a six-month period in the five years immediately preceding application.

Guidelines for writing the statement of educational and career goals can be found at the program website (https://socialwork.asu.edu/content/msw-application-proceduresmaterials).

Test scores from either the GRE or the Miller Analogies Test are required only if the applicant's junior and senior GPA was below a 3.20 (scale is 4.00 = "A").

Students should see the program website for application deadlines.

Three-year program

Students interested in this option must specifically apply to the part-time program and complete it in accordance with the plan developed to finish the degree in three years.

Transfer credit

Any transfer work is reviewed and approved in accordance with Graduate College policy. Transfer work must have been completed within three years of the semester and year of admission to the Master of Social Work degree program at ASU with a grade of "B" (3.00 on a 4.00 scale) or better.

Exemptions
Courses must have been completed within three years of the admit term of the Master of Social Work degree. Grades received must be an "A-" or better. A letter of good standing is required from the institution where students have taken the coursework. Course equivalencies from outside of ASU are reviewed by the MSW program coordinator. Courses identified as required core and culminating experiences in the breakdown of requirements cannot be substituted.

Concurrent degrees are currently unavailable for the online Master of Social Work degree program.

Students should contact the School of Social Work with any questions about the application process.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-social-work-social-work/) for program descriptions and to request more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Plan, implement and evaluate evidence-based interventions
- •Apply professional social work theories to working with diverse, oppressed and marginalized populations in both micro and macro practice
- •Apply professional values and ethics during the advanced generalist internship

**Career Opportunities:** There are many paths within social work that graduates can pursue. Career examples include:

- adult and juvenile correction social worker
- behavioral health hospital social worker
- community organizer
- gerontology services patient coordinator
- group and individual clinician
- homeless services outreach coordinator or shelter director
- policy analyst
- program director and grant writer
- school social worker
- social services or nonprofit administrator

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPSWDMSW/graduate/false/2
UCENT 800
mswadvising@asu.edu
602-496-0800

## Social Work, PHD (PPSW2PHD)

**Online Degree Search Title:** Social Work, PhD
**Campus:** Downtown Phoenix

**Program Description:** The purpose of the PhD program in social work is to train future social work scholars --- social work professionals engaged in research, teaching and service.

Supplementary to the coursework, this doctoral program offers students opportunities to be actively involved in both research and teaching. Students benefit from the close mentorship of the committed faculty and regular partnerships with many internal research centers and offices. Students also receive valuable opportunities to develop a teaching portfolio, positioning them to succeed in academic careers.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Social Work Courses (12 credit hours)

Research Methods and Statistics (12 credit hours)

Directed Electives (33 credit hours)

Theory (3 credit hours)

Research (12 credit hours)
SWG 792 Research (12)

Culminating Experience (12 credit hours)
SWG 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. The number of credit hours required for directed electives depends on approval of the number of blanket hours from a previously awarded master's degree. The doctoral program requires students to take a minimum of 36 course credit hours beyond the MSW in addition to the required 24 credit hours of research and dissertation; 84 credit hours are required beyond the bachelor's degree. Students may need to take additional coursework to achieve the competency requirements set by the program or set by their graduate supervisory committees.

Students develop their plan of study in consultation with the graduate supervisory committee. Required social work courses must be 700-level and approved by the doctoral program committee. Students should see the academic unit for approved course lists and other requirements for research methods and statistics courses, electives and theory coursework.

Once the 36 minimum course credit hours are completed, students are required to register for 12 hours of SWG 792 Research before the defense of the prospectus and 12 hours of SWG 799 Dissertation after the prospectus defense. Students must be registered for at least one credit hour during the semester, including summer, when they do their dissertation proposal defense. At least one of the dissertation hours must be taken in the semester the student expects to defend the dissertation.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in social work or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- curriculum vitae or resume
- GRE scores
- personal statement
- three letters of reference
- required writing sample: social problem essay
- optional writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Admission to the doctoral program in the School of Social Work is based on the following criteria:

- an MSW from an accredited school of social work, preferably with two or more years of post-degree employment in human services
- experience in social work teaching or research and other scholarly activities
- experience with diverse populations
- goodness-of-fit with program goals
- good professional standing
- undergraduate and graduate GPA
- quality and extensiveness of social work experience
- research potential and creativity as demonstrated in requested essays and references
- scores of the GRE, with emphasis on verbal and analytic scores

Though a Master of Social Work degree is preferred, exceptions may be made for students with a BSW from an accredited school of social work and a master's degree in a related field and for students from countries without accreditation.

Applicants have the option of submitting a sample of their written work. Examples include a referred journal article, a class paper and a professional report such as one might write in an agency setting. The writing sample should illustrate the applicant's ability to succeed in the doctoral program. Guidelines for writing the statement can be found at the program website (https://socialwork.asu.edu/content/application-and-admission).

All required admission materials are submitted directly to Graduate Admission Services (https://admission.asu.edu/graduate). Students should contact the School of Social Work at 602-496-0800 with any questions about the application process.

Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will develop an individual teaching philosophy for social work education.
- Students will apply knowledge of research methods to an area of social work scholarship.
- Students will develop a research proposal in an original area of social work scholarship.

**Career Opportunities:** Graduates are prepared to enter careers in applied research that enhance human well-being, particularly among oppressed and vulnerable populations, and to educate the next generation of social workers.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPSW2PHD/graduate/false/2
UCENT 800
sswphd@asu.edu
602-496-0800

## Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)

**Online Degree Search Title:** Social Work - Advanced Standing - Direct Practice, MSW
**Campus:** Downtown Phoenix, ASU at Tucson

**Program Description:** The advanced standing direct practice concentration of the MSW consists of three specializations that prepare students for professional practice with diverse populations in a wide variety of settings.

Across all specializations, the curriculum is guided by the social work values that emphasize evidence-based practice, client strengths, social justice and client empowerment. The primary curriculum goal of the Master of Social Work program is to educate advanced social work practitioners who demonstrate the knowledge, skills, values and ethics of the profession and who are competent for specialized practice.

Students learn how to diagnosis and assess mental health conditions, create treatment plans, and provide appropriate interventions in a variety of clinical and community settings.

This program is accredited by the Council on Social Work Education.

**Degree Requirements:**
39 credit hours including the required capstone course (SWG 621), or 51 credit hours including the required capstone course (SWG 621), or 60 credit hours including the required capstone course (SWG 621), or 60 credit hours including the required capstone course (SWG 621) (MSW/MPA concurrent degree) .
Required Core (3 credit hours)
SWG 510 Foundation Practice I (3) or
SWG 514 Bridge Seminar I (3)

Advanced Direct Practice Concentration (12 credit hours)
SWG 606 Assessment of Mental Disorders (3)
SWG 619 Practice-Oriented Research (3)
SWG 641 Advanced Practicum: Direct Practice I (3)
SWG 642 Advanced Practicum: Direct Practice II (3)

Specialization (6 credit hours)

Restricted Electives (15-36 credit hours)

Culminating Experience (3 credit hours)
SWG 621 Integrative Seminar (3)

Additional Curriculum Information
Students on the 39 credit hour path have an undergraduate Council on Social Work Education-accredited BSW in social work with a 3.20 Jr/Sr GPA within the last 6 years.

Students on the 51 credit hour path have an undergraduate CSWE-accredited BSW in social work degree.

The students on the 60 credit hour path have an undergraduate degree that is not directly in social work or community advocacy. Students in this path may need to take foundation coursework as part of their elective coursework to satisfy CSWE requirements. Students should see the academic advisor when selecting courses.

All credit hour path criteria must be approved by the academic unit prior to selection in the iPOS. The academic unit advises and monitors students to ensure they choose the appropriate coursework. Core course selection depends on the student's background.

Students select from specializations in:

- children, youth and families
- health, behavioral health
- public child welfare

The amount of restricted elective coursework depends on the credit hour path selected based on the student's background. Students should see the academic unit for a complete list of approved specialization and elective coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program with a minimum GPA of 3.20 (scale is 4.00 = "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the MSW program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, from the applicant's supervisor.

Guidelines for writing the statement can be found at the program website (https://socialwork.asu.edu/content/msw-application-proceduresmaterials).

For questions about the application process, students should contact the School of Social Work.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply professional values and ethics during the advanced direct practice internship
- •Plan, implement and evaluate evidence-based interventions
- •Apply knowledge of human behavior in the social environment when working with individuals, families and groups

**Career Opportunities:** Graduates have the preparation they need to work with individuals, families and small groups.

Career examples include:

- adult and juvenile corrections (mental health service professional)
- behavioral health hospitals (counselor)
- homeless services (outreach coordinator or shelter director)
- hospital or school social worker
- individual counselor
- gerontology services (counselor)
- group therapy clinician
- wellness programmer

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPAPDTMSW/graduate/false/2
UCENT 800
mswadvising@asu.edu
602-496-0800

## Social Work (Policy, Administration and Community Practice), MSW (PPCPDTMSW)

**Online Degree Search Title:** Social Work - Advanced Standing - (Policy, Administration and Community Practice), MSW
**Campus:** Downtown Phoenix, ASU at Tucson

**Program Description:** Students in the policy, administration and community practice concentration of the MSW learn skills to intervene across the macro level of society: in systems, institutions, agencies, organizations, laws, policies, programs and communities. Students complete a practicum in government, nonprofit, social service, advocacy and research agencies.

The Master of Social Work degree is accredited by the Council on Social Work Education and certified by the Network for Social Work Management.

**Degree Requirements:**
39 credit hours and a portfolio, or 39 credit hours and a thesis, or 51 credit hours and a portfolio, or 51 credit hours and a thesis, or 60 credit hours and a portfolio, or 60 credit hours and a portfolio (MSW/MPA concurrent degree), or 60 credit hours and a thesis, or 60 credit hours and a thesis (MSW/MPA concurrent degree).
Required Core (3 credit hours)
SWG 510 Foundation Practice I (3) or
SWG 514 Bridge Seminar I (3)

Policy, Administration and Community Practice Concentration (21 credit hours)
SWG 623 Program Evaluation (3)
SWG 632 Policy Practice (3)
SWG 643 Advanced Practicum: Planning, Social Work Administration and Community Practice I (3)
SWG 644 Advanced Practicum: Planning, Social Work Administration and Community Practice II (3)
SWG 681 Social Work Administration (3)
SWG 682 Community Participation Strategies (3)
SWG 685 Program Planning in Social Services (3)

Electives (9 to 36 credit hours)

Culminating Experience (0 or 6 credit hours)
SWG 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students on the 39 credit hour path have an undergraduate Council on Social Work Education-accredited BSW in social work or equivalent degree with a Jr/Sr GPA of 3.20 within the last 6 years.

Students on the 51 credit hour path have an undergraduate CSWE-accredited Bachelor of Social Work degree.

Students on the 60 credit hour path have an undergraduate degree that is not directly in social work or community advocacy. Students in this path may need to take foundation coursework as part of their elective coursework to satisfy CSWE requirements. Students should see the academic advisor when selecting courses.

All credit hour path criteria must be approved by the academic unit prior to selection in the iPOS. The academic unit advises and monitors students to ensure they choose the appropriate coursework. Core course selection depends on the student's background.

Students complete a practicum and choose one of the culminating experiences above. The amount of elective coursework allowed depends on the credit hour path chosen and the culminating experience selected. Electives may be selected from offerings at the School of Social Work or from courses offered through other departments with the approval of the Master of Social Work program coordinator.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program with a minimum GPA of 3.20 (scale is 4.00 = "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the Master of Social Work program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, from the applicant's supervisor.

Guidelines for writing the statement can be found on the program website (https://socialwork.asu.edu/content/msw-application-proceduresmaterials).

Applicants should see the program website for application deadlines.

Students should contact the School of Social Work with any questions about the application process.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Plan, implement and evaluate evidence-based interventions
- Applying theoretical concepts related to policy, administration and community in the field practicum setting
- Apply professional values and ethics during the advanced policy, administration and community field practicum

**Career Opportunities:** The program prepares professional social workers for leadership in social change.

Graduates work for social justice and human rights through building sustainable systems that support peoples' social well-being, often by addressing the root causes of social problems and by reforming unjust policies. Policy, administration and community practice roles include program planning and evaluation; policy development and analysis; political advocacy and lobbying; organizational leadership, management and supervision; community development, organizing and social movement building.

Graduates are prepared for leadership and effective practice in macro social work positions. The curriculum is designed to provide students with knowledge, skill and practice opportunities in the areas of program planning and evaluation, administration, policy analysis and advocacy, and community practice.

Career examples include:

- community advocate
- community organizer
- grant and fund developers
- nonprofit leadership and management
- policy analyst
- social services administration

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPCPDTMSW/graduate/false/2
UCENT 800
mswadvising@asu.edu
602-496-0800

## Social Work - Advanced Standing - Advanced Generalist, MSW (PPASWMSW)

**Online Degree Search Title:** Social Work - Advanced Standing - Advanced Generalist, MSW
**Campus:** West, ASU at Yuma

**Program Description:** The advanced standing advanced generalist concentration of the MSW builds on mastery of the generalist foundation to increase the depth and breadth of practice.

Students learn both the micro skills of direct practice and macro skills of community development. Advanced generalist faculty emphasize the unique characteristics of social work services helpful in both non-profit settings and the small and rural community context.

The Master of Social Work program is consistent with the purpose of the social work profession to alleviate human suffering, enhance well-being and promote social justice with an emphasis on southwest populations.

The program is accredited by the Council on Social Work Education.

**Degree Requirements:**
39 credit hours including the required applied project course (SWG 693).
Required Core (3 credit hours)
SWG 510 Foundation Practice I (3) or
SWG 514 Bridge Seminar I (3)

Advanced Generalist Coursework (30 credit hours)
SWG 515 Bridge Seminar II (3)
SWG 516 Social Work Skills Seminar (3)
SWG 606 Assessment of Mental Disorders (3)
SWG 610 Advanced Social Work Practice III (3)
SWG 614 Advanced Generalist Social Work Practice IV (3)
SWG 623 Program Evaluation (3)
SWG 632 Policy Practice (3)
SWG 640 Professional Seminar II: Applying Theory to Advanced Generalist Social Work Practice (3)
SWG 645 The Professional Experience III (3)
SWG 646 The Professional Experience IV (3)

Restricted Electives (3 credit hours)

Culminating Experience (3 credit hours)
SWG 693 Applied Project (3)

Additional Curriculum Information
Students in this program hold an undergraduate Council on Social Work Education-accredited BSW in social work or equivalent degree.

The academic unit advises and monitors students to ensure they choose the appropriate coursework. Core course selection depends on the student's background.

Students complete a practicum and an applied project.

Advanced generalist and other requirement coursework may be substituted with approval of the academic unit.

The number of credit hours required for restricted electives depends on the credit hour path chosen. Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program with a minimum GPA of 3.20 (scale is 4.00 = "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the MSW program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, from the applicant's supervisor.

Guidelines for writing the statement can be found on the program website (https://socialwork.asu.edu/content/msw-application-proceduresmaterials).

Applicants should see the program website for application deadlines, and they should contact the School of Social Work with any questions about the application process.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Plan, implement and evaluate evidence-based interventions
- Apply professional social work theories to working with diverse, oppressed and marginalized populations in both micro and macro practice
- Apply professional values and ethics during the advanced generalist internship

**Career Opportunities:** Graduates are prepared to be practitioners who deliver culturally competent, ethical interventions that range from complex case management and practice with individuals (micro); families and groups (mezzo); to affecting social change by developing skills in organization, administration, policy development and community practice (macro).

Career examples include:

- community outreach coordinator
- hospital or school social worker
- mental health advocate
- program specialist
- social services manager or director

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/masters-degrees-phds/majorinfo/PPASWMSW/graduate/false/2
UCENT 800
mswadvising@asu.edu
602-496-0800

## Sustainable Tourism, MST (PPSUSTMST)

**Online Degree Search Title:** Sustainable Tourism, MST
**Campus:** Online

**Program Description:** Students in the MST program receive a comprehensive education with a focus on the environmental, economic and social aspects of tourism, equipping them with the skills necessary for creating pioneering sustainable development solutions to the challenges facing tourism today.

This holistic curriculum focuses on integrating all three pillars of sustainability into existing tourism theories and concepts. Students learn numerous strategies and tools for identifying and building innovative tourism products and experiences and minimizing adverse impacts of tourism so that resources and opportunities remain viable and sustainable for their host communities.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Tourism Development and Management, BS
Tourism Development and Management (Meetings and Events), BS
Tourism Development and Management (Resort and Hotel Leadership), BS
Tourism Development and Management (Sustainable Tourism), BS
Tourism and Recreation Management, BS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
31 credit hours including the required applied project course (TDM 593).
Required Core (24 credit hours)
CRD 569 Advanced Tourism and Recreation Studies (3)
TDM 520 Sustainable Thinking in Tourism I (3)
TDM 521 Sustainable Thinking in Tourism II (3)
TDM 530 Sustainable Tourism Destination Planning and Management I (3)
TDM 531 Sustainable Tourism Destination Planning and Management II (3)
TDM 540 Sustainable Food Management in Tourism (3)
TDM 550 Managing the Sustainable Tourism Business (3)
TDM 570 Sustainable Tourism (3)

Electives or Research (3 credit hours)

Culminating Experience (4 credit hours)
TDM 593 Applied Project (4)

Additional Curriculum Information
One elective or research course is selected from an approved list for three credit hours. Students should contact the academic unit for a list of possible courses. Other courses may be used with approval from the academic unit.

Students complete an applied project that may consist of a sustainable tourism development plan for a community, a thorough sustainability audit of a tourism business, or other project as approved by the faculty advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as tourism, recreation, hospitality, business, geography or planning from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Letters of recommendation should be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics. The names, email addresses, titles and organizations from whom the student is requesting recommendations is also required.

A written professional statement describing the applicant's purpose in pursuing the master's degree is to be submitted online. In addition, a current resume that outlines previous professional activities is required.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-sustainable-tourism/) for program descriptions and to request more information.

**Career Opportunities:** The sustainable tourism degree is useful to industry professionals who are interested in advancing their profiles and also to those who are interested in changing their careers, preparing them to meet the increasing demand for people trained in sustainability practices and the application of those practices in tourism.

Career examples include:

- destination planners and managers
- recreation managers
- sustainable food managers
- tourism planners

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
IDPAdvising@asu.edu
602-496-0915

## Sustainable Tourism (certificate), Certificate (PPSTGRCT)

**Online Degree Search Title:** Sustainable Tourism (Graduate Certificate)
**Campus:** Online

**Program Description:** The graduate certificate in sustainable tourism is intended for professionals who work in or desire to work in the tourism industry.

Students in this program explore the practices of managing and developing sustainable tourism businesses and destinations. They learn numerous strategies and tools for identifying and building innovative tourism products and experiences as well as minimizing adverse impacts so that these attractions remain viable and sustainable for their host communities.

Students who complete the certificate have acquired knowledge in topics such as the integration of economic, social and environmental aspects of sustainability as it relates to tourism; conducting sustainability audits for destinations and businesses; community impacts of tourism; and sustainable destination and business planning and management.

**Degree Requirements:**
18 credit hours.
Required Core (15 credit hours)
TDM 520 Sustainable Thinking in Tourism I (3)
TDM 521 Sustainable Thinking in Tourism II (3)
TDM 530 Sustainable Tourism Destination Planning and Management I (3)
TDM 531 Sustainable Tourism Destination Planning and Management II (3)
TDM 570 Sustainable Tourism (3)

Electives (3 credit hours)
TDM 540 Sustainable Food Management in Tourism (3) or
TDM 550 Managing the Sustainable Tourism Business (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and

Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International applicants are also required to submit TOEFL or IELTS scores and a financial guarantee statement.

Letters of recommendation must be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics, and the letters are to be submitted through the online application.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-sustainable-tourism/) for program descriptions and to request more information.

**Career Opportunities:** This certificate is beneficial to students or professionals who are interested in advancing their profiles in the tourism field and to those who are interested in a career change.

The certificate allows graduates enhanced recognition and credentials in an area experiencing a great deal of interest and growth. They can further their careers even more by obtaining an advanced degree specific to sustainability practices in tourism.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/programs/graduate?field_asu_ap_campus_value=All&field_asu_ap_value_1=3
UCENT 550
IDPAdvising@asu.edu
602-496-0915

## Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)

**Online Degree Search Title:** Trauma and Bereavement (Graduate Certificate)
**Campus:** Downtown Phoenix

**Program Description:** There is a growing need in society for health care workers and clinicians to be better prepared to help clients and patients experiencing trauma.

The School of Social Work graduate certificate program in trauma and bereavement provides students with enhanced knowledge about grief responses and the effects of trauma. Students have opportunities to research an often under-explored topic while helping transform the sociopolitical management of grief, traumatic losses and end-of-life issues in contemporary society.

**Degree Requirements:**
15 credit hours.
Required Core (6 credit hours)
SWG 576 War and Disaster (3)
SWG 577 Traumatic Death: Theory, Counseling and Practice (3)

Restricted Electives (3 credit hours)
SWG 559 Spirituality and the Helping Professions (3)
SWG 655 Quality of Life, Mastering Mindfulness (3)
SWG 690 Reading and Conference (3)

Other Requirements (6 credit hours)
SWG 541 Field Practicum I (3) and SWG 542 Field Practicum II (3) or

SWG 584 Internship (6) or
SWG 641 Advanced Practicum: Direct Practice I (3) and SWG 642 Advanced Practicum: Direct Practice II (3)

Additional Curriculum Information
For restricted electives, students choose one of the three course options listed above for three credit hours.

Students must complete one of the practicums and internship options from the other requirements list. Courses are selected in consultation with an advisor. Field practicums and internships must be preapproved with the academic unit. If selected, enrollment in SWG 584 Internship is for three credit hours and taken twice.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Watts College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in fields such as psychology, sociology and social work.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- School of Social Work certificate application
- three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The personal statement, resume, School of Social Work certificate application (it is available on the department website), and three references (forms available on the department webpage) should be submitted to the School of Social Work.

The personal statement must be two to four pages, double-spaced; additional guidelines are listed on the application.

No more than two certificate courses may be completed before applying for admission to the certificate program.

Students should see the program website for application deadlines.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Plan, implement and evaluate evidence-based interventions.
- •Apply professional values and ethics during the advanced direct practice internship

**Career Opportunities:** This graduate certificate program in trauma and bereavement prepares individuals to work in the field of death and dying as well as with trauma and bereavement in clinical, organizational and administrative settings.

Career examples include:

- crisis response team members and leaders
- hospice and chaplaincy workers
- medical and pre-med occupations
- therapists and counselors

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work

https://publicservice.asu.edu/masters-degrees-phds/majorinfo/HSCTBGRCT/graduate/false/2
UCENT 800
sswgradcerts@asu.edu
602-496-0800

## Teachers College, Mary Lou Fulton

### Advanced Analytics in Higher Education, Certificate (TEAAHEGRCT)

**Online Degree Search Title:** Advanced Analytics in Higher Education (Graduate Certificate)
**Campus:** Tempe, Online
ASU is not currently accepting applications for this program.
**Program Description:** This graduate certificate program in advanced analytics in higher education is designed to give graduates the ability to extract, arrange and analyze data in the service of addressing complex administrative challenges in higher education.

The coursework addresses the application of data mining, predictive analytics, sentiment analysis and data visualization techniques to organizational challenges common in higher education. This work is designed to prepare graduates to use data in their decision-making processes. Students apply the knowledge and skills learned while gaining an understanding of the security and ethical considerations of analytics.

**Degree Requirements:**
15 credit hours.
Required Core (15 credit hours)
HED 603 Foundation of Data Analytics in Higher Education (1)
HED 604 Analytics Process and Technology in Higher Education (2)
HED 605 Data Management and Preparation for Higher Ed Analytics (3)
HED 606 Advanced Analytic Methods for Higher Education (3)
HED 607 Visualization and Presentation for Higher Education (3)
HED 608 Trends in Advanced Analytic Methods for Higher Education (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply if they have earned a minimum of a bachelor's degree (business, economics, education, psychology or equivalent) or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this certificate
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants are required to have at least one year working in an education-related field and have taken at least one graduate or undergraduate statistics course, finishing with a grade of "B" (scale is 4.00 = "A") or better.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-advanced-analytics-higher-education/) for program descriptions and to request more information.

**Career Opportunities:** Graduates with expertise in advanced analytics are prepared for educational careers in academic and operational areas in colleges and universities.

Career examples include:

- college program director
- computer database architect
- data analyst

- database administrator
- data management specialist

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)

**Online Degree Search Title:** Applied Behavior Analysis (Graduate Certificate)
**Campus:** Online

**Program Description:** The graduate certificate program in applied behavior analysis pairs research and experience to prepare professionals to work with individuals with diverse learning and behavior needs using the principles of applied behavior analysis.

Applied projects and assignments allow students to focus on the population with which they plan to work, while gaining the knowledge and skills they need in order to use applied behavior analysis across various populations and settings.

Mary Lou Fulton Teachers College offers university coursework verified by the Association for Behavior Analysis International as meeting academic requirements for eligibility to sit for the Behavior Analyst Certification Board® Board Certified Behavior Analyst® examination. Once certified, these professionals are equipped to meet diverse behavior needs and make a lasting difference in the community. The course sequence meets the Behavior Analyst Certification Board-required 315 classroom hours of graduate-level instruction aligned with the BCBA/BCaBA task list (fifth edition). BCBA supervised independent fieldwork supervision hours, required for certification, are arranged and completed by the student separately from their ASU coursework. An optional remote BCBA supervised independent fieldwork practicum (SPE 580 Applied Behavior Analysis Practicum) is available.

Students seeking the master's degree as well as the verified university coursework to qualify to sit for the BCBA® exam should apply to the MA program in special education with a concentration in applied behavior analysis.

**Degree Requirements:**
21 credit hours.
Required Core (21 credit hours)
SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)
SPE 526 Concepts and Principles of Applied Behavior Analysis (3)
SPE 527 Behavior Analytic Assessment (3)
SPE 560 Behavior Change Procedures: Implementing Interventions in Behavior Analysis (3)
SPE 562 Personnel Supervision and Organizational Behavior Management in Educational Settings (3)
SPE 563 Philosophical Foundations of Applied Behavior Analysis in Educational Settings (3)
SPE 567 Ethics of Applied Behavior Analysis (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

GRE scores are not required for admission.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-applied-behavior-analysis/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with expertise in evidence-based practices in applied behavioral analysis are in high demand across sectors and industries, including education, business and health care.

Career examples include:

- applied behavioral analysis therapist
- behavior specialist
- Board Certified Behavior Analyst®
- behavior consultant
- early interventionist
- educator
- organizational behavior management specialist

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Autism Spectrum Disorders (Certificate), Certificate (EDSPEGRCA)

**Online Degree Search Title:** Autism Spectrum Disorders (Graduate Certificate)
**Campus:** Online
This program's name has changed effective Fall 2023. The previous name was An Overview of Autism Spectrum Disorders.
**Program Description:** The graduate certificate program in autism spectrum disorders is ideal for educators, interventionists, paraprofessionals, psychologists, behavior analysts and family members who want to enhance their preparation for working with individuals living with ASD.

Students can complete the graduate certificate within a two-year period while concurrently pursuing a graduate degree or they can complete it as a stand-alone certificate.

Students interested in sitting for the national Board Certified Behavior Analyst® exam should apply for the MA program in special education with a concentration in applied behavior analysis or the applied behavior analysis graduate certificate, depending on interest and need.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
SPE 521 Foundations of Autism Spectrum Disorders (3)
SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)
SPE 540 Family-Centered Practices (3)

Restricted Electives (6 credit hours)
SPE 520 Verbal Behavior (3)
SPE 527 Behavior Analytic Assessment (3)
SPE 541 Consultation Frameworks and Issues (3)
SPE 560 Behavior Change Procedures: Implementing Interventions in Behavior Analysis (3)
SPE 564 Controversial Therapies; Science, Fad and Pseudoscience in Educational Settings (3)
SPE 566 Applied Behavior Analysis in Inclusive Settings (3)
SPE 567 Ethics of Applied Behavior Analysis (3)
SPE 598 Special Topics (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

GRE scores are not required for admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-autism-spectrum-disorders/) for program descriptions and to request more information.

**Career Opportunities:** Students gain specialized skills and knowledge to work effectively and compassionately with children and adults, including family members, impacted by autism.

Career examples include:

- adapted physical education specialist
- clinical psychologist
- counselor
- special education teacher
- speech-language pathologist

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)

**Online Degree Search Title:** Curriculum and Instruction (Teaching and Learning), MEd
**Campus:** Online
ASU is not currently accepting applications for this program. Students interested in master's degree programs that do not lead to teacher certification might consider the following programs: Education, MA (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEEDUMA/education-ma); Global Education, MEd (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEGLOEDMED/global-education-med); Learning Design and Technologies, MEd (https://degrees.apps.asu.edu/masters-phd/major/ASU00/EDTECHMED/learning-design-and-technologies-med); Learning Sciences, MA (https://degrees.apps.asu.edu/masters-phd/major/ASU00/EDPSYCHMA/learning-sciences-ma).
**Program Description:** The MEd program in curriculum and instruction with a concentration in teaching and learning facilitates the development of advanced-level professional knowledge, skills and understanding through research and applied experiences. The program provides an avenue for developing skills in designing learning environments for students.

**Degree Requirements:**
30 credit hours including the required applied project course (SPE 593), or 30 credit hours including the required capstone course (SPE 597). Students complete 30 credit hours in their focus area and a culminating project to be embedded within a course.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED)

**Online Degree Search Title:** Curriculum and Instruction (Autism Spectrum Disorders), MEd
**Campus:** Online
ASU is no longer accepting applications for this program. Applicants interested in autism spectrum disorders should apply directly to the Special Education (Autism Spectrum Disorders), MA (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TESPEASDMA/special-education-autism-spectrum-disorders-ma).
**Program Description:** The MEd program in curriculum and instruction with a concentration in autism spectrum disorders equips individuals with the specialized skills and knowledge they need for working effectively with children and adults affected by autism.

The steady rise in the number of those affected by autism spectrum disorders has caused a public demand for professionals who are aware of the issues and needs facing these special individuals, their families and service providers. Program graduates are well prepared to provide important services and care in a variety of roles, including as educators, interventionists, paraprofessionals, psychologists, speech pathologists, behavior analysts or family members.

Each student completes a practicum customized to individual interests and abilities. The program culminates with a capstone experience in which students demonstrate analysis and synthesis of material learned in the master's program and evidence of competency in the six Council for Exceptional Children autism standards.

Students interested in sitting for the national Board Certified Behavior Analyst® exam should apply to the master's degree in special education, applied behavior analysis concentration or the applied behavior analysis graduate certificate, depending on interest and need.

**Degree Requirements:**
30 credit hours including the required capstone course (SPE 597).
Required Core (3 credit hours)
COE 501 Introduction to Research and Evaluation in Education (3)

Concentration (18 credit hours)

Electives (3 credit hours)

Other Requirements (3 credit hours)
SPE 580 Practicum (3)

Culminating Experience (3 credit hours)
SPE 597 Capstone (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-autism-spectrum-disorders/) for program descriptions and to request more information.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)

**Online Degree Search Title:** Curriculum and Instruction (Early Childhood Education), MEd
**Campus:** Online
ASU is no longer accepting new students to this program. Students interested in this program should apply to the Early Childhood Education MEd (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEECEDMED/early-childhood-education-med) or the Early Childhood Education (Teacher Certification) MEd (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEECDTCMED/early-childhood-education-teacher-certification-med).
**Program Description:** The MEd in curriculum and instruction with a concentration in early childhood education prepares individuals to meet the educational, social and emotional needs of children from birth through age 8 or grade 3.

This master's degree program is appropriate for students interested in learning about early childhood education research and working with infants and children and can help advance the professional development of students who already have a teaching certificate and are interested in deepening their knowledge, strengthening their skills or pursuing doctoral studies in the future.

Through online coursework and applied activities, the program equips students with specialized skills and advanced knowledge in early childhood pedagogy, community collaboration, technology, administration, policy analysis and advocacy.

Students can also choose to add in-person professional experiences to their degree program that prepare them to enter the teaching profession after graduation. Students pursuing teacher-certification complete internships and full-time teaching residencies to gain experience in two grade levels: preK and grades K-3. Faculty members and highly qualified, certified mentor teachers provide guidance and support along the way.

Graduates earn an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification as Early Childhood, Birth-Age 8 or Grade 3 teachers. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

**Degree Requirements:**
30 credit hours including the required applied project course (ECD 593).
Students in this program complete an applied project within their plan of study as a culminating experience.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should come from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-early-childhood-education/) for program descriptions and to request more information.

**Career Opportunities:** Students gain skills in teaching, conducting research, utilizing technology and analyzing policy --- all of which prepares graduates to expand or pursue educational careers working with young children and their families.

Career examples include:

- childcare worker
- education administrator
- family social worker
- preschool teacher or director

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)

**Online Degree Search Title:** Curriculum and Instruction (Gifted Education), MEd
**Campus:** Online

**Program Description:** The MEd program in curriculum and instruction with a concentration in gifted education prepares teachers, school administrators, school psychologists, early interventionists and family members to work effectively with gifted children. Students gain the theory and pedagogy needed to identify and serve this population of learners.

Students learn how to identify learning potential and address specific needs of gifted and talented students. They gain an understanding of gifted students' affective and academic needs and learn how to design and provide appropriately challenging, differentiated curriculum and instruction.

Students also learn how to develop a continuum of gifted programs and services; work with school administrators, teachers, school boards and parents; and advocate for gifted students at local and national levels.

The program is designed for public and private teachers in regular classrooms, honors classrooms and gifted programs, and for school administrators and gifted program coordinators.

The program also provides the twelve credit hours of coursework in gifted education required for the Gifted Education (K-12) endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

**Degree Requirements:**
30 credit hours including the required capstone course (SPE 597).
Required Core (3 credit hours)
TEL 504 Learning and Instruction (3)

Concentration (24 credit hours)
COE 501 Introduction to Research & Evaluation in Education (3)
SPE 572 Testing and Measurement in Gifted Education: Methods (3)
SPE 573 Differentiating Instruction for Gifted Learners: Teaching Methods (3)
SPE 585 Creativity: Foundations of Research and Development in Gifted Education (3)
SPE 586 Advising the Gifted Learner: Social and Emotional Needs (3)
SPE 587 Special Populations in Gifted Education (3)
SPE 588 The Gifted Learner: Foundations of Identification, Education and Development (3)
SPE 589 Gifted Education Programming: Models, Methods and Services (3)

Culminating Experience (3 credit hours)
SPE 597 Capstone Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-teaching-and-learning-gifted-elementary/) for program descriptions and to request more information.

**Career Opportunities:** Graduates possess skills in creating and strengthening gifted programs, developing instructional methods, advocating for learners and working with school districts and families. This prepares them to expand or pursue education careers working with gifted learners.

Career examples include:

- educator in gifted or honors classrooms
- gifted coordinator
- school administrator

**Contact Information:**
Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Early Childhood Education, MEd (TEECEDMED)

**Online Degree Search Title:** Early Childhood Education, MEd
**Campus:** Online

**Program Description:** The MEd program in early childhood education prepares individuals to meet the educational, social and emotional needs of children from birth through age 8. Through coursework, applied activities and in-person clinical experiences, the program equips students with specialized skills and advanced knowledge in early childhood pedagogy, community collaboration, technology, administration, policy analysis and advocacy.

The master's degree is appropriate for students interested in learning about early childhood education research and working with infants and children in grades K--3. This program may be of interest to students who already have a teaching certificate and are interested in furthering their knowledge and skills or pursuing doctoral studies in the future.

**Degree Requirements:**
30 credit hours including the required applied project course (ECD 593).
Required Core (27 credit hours)
ECD 505 Foundations of Early Childhood Education (3)
ECD 527 Mathematics in Early Childhood Education (3)
ECD 541 Assessment of Young Children (3)
ECD 549 Foundations of Diversity, Human Development, and the Young Child (3)
ECD 565 Appropriate Instructional Methodologies for Young Children (3)
EED 532 Literacy Methods of Instruction and Assessment for Diverse Learners (3)
TEL 511 Research and Evaluation in Education (2)
TEL 517 Creating Equitable Learning Environment: Decision Making and Action (3)
TEL 531 Foundations of Literacy: The Science of Reading (3)

Select One:
TEL 570 Educator Scholar Community I (1), TEL 571 Educator Scholar Community II (1), or TEL 572 Educator Scholar Community III (1)

Culminating Experience (3 credit hours)
ECD 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirement of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The following are accepted to meet this requirement:

- TOEFL: Applicants must have a score of at least 90 on the internet based test (iBT), with scores of 22-30 on the speaking and written portions. ASU's institutional code is 4007. Only electronic copies of scores are accepted.
- IELTS: Applicants must have an overall band score of at least 6.5 with speaking and writing portions needing to be at least 6.5 (6 = Competent User, 7 = Good User). No institutional code is needed.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program. Only

professional recommenders are accepted.

The personal statement should describe the personal and professional goals that motivated applicant to apply to the graduate certificate, and explain what led the applicant to this career path and how they will excel as an educator. The admission committee pays particular attention to the quality of writing and ideas expressed in the personal statement. The statement should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

The professional resume should be one to two pages and include relevant personal, professional, educational and community activities. The resume should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-early-childhood-education/) for program descriptions and to request more information.

**Career Opportunities:** Graduates from this program may become curriculum designers, preschool directors or early childhood specialists.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 200
graduateeducation@asu.edu
877-326-6744

## Early Childhood Education (Teacher Certification), MEd (TEECDTCMED)

**Online Degree Search Title:** Early Childhood Education (Teacher Certification), MEd
**Campus:** Online

**Program Description:** The MEd program in early childhood education prepares individuals to meet the educational, social and emotional needs of children from birth through age eight or grade three.

Through online coursework and applied activities, the program equips students with specialized skills and advanced knowledge in early childhood pedagogy, community collaboration, technology, administration, policy analysis and advocacy.

A series of professional experiences assists students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through the clinical framework provides students with the support they need to become effective educators.

Graduates earn an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification in Early Childhood, birth--age 8 or grade 3. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

**Degree Requirements:**
39 credit hours including the required applied project course (ECD 593).
Required Core (27 credit hours)
ECD 505 Foundations of Early Childhood Education (3)
ECD 527 Mathematics in Early Childhood Education (3)
ECD 541 Assessment of Young Children (3)
ECD 549 Foundations of Diversity, Human Development and the Young Child (3)
ECD 565 Appropriate Instructional Methodologies for Young Children (3)
EED 532 Literacy Methods of Instruction and Assessment for Diverse Learners (3)
TEL 511 Research and Evaluation in Education (2)
TEL 517 Creating Equitable Learning Environment: Decision Making and Action (3)
TEL 531 Foundations of Literacy: The Science of Reading (3)Select One:
TEL 570 Educator Scholar Community I (1), TEL 571 Educator Scholar Community II (1), or TEL 572 Educator Scholar Community III (1)

Concentration (9 credit hours)
ECD 567 Clinical Experience: Early Childhood Internship (Ages Birth-5) (2)
ECD 576 Clinical Experience: Early Childhood Internship (Grades K-3) (2)
ECD 578 Student Teaching: Early Childhood (Grades K-3) (2)
ELL 515 Structured English Immersion Methods (3)

Culminating Experience (3 credit hours)

ECD 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirement of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program. Only professional recommenders are accepted.

The personal statement should describe the personal and professional goals that motivated applicant to apply to the graduate certificate, and explain what led the applicant to this career path and how they will excel as an educator. The admission committee pays particular attention to the quality of writing and ideas expressed in the personal statement. The statement should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

The professional resume should be one to two pages and include relevant personal, professional, educational and community activities. The resume should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-early-childhood-education-certification/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. Graduates gain skills in teaching, conducting research, utilizing technology and analyzing policy --- all of which prepare them to expand or pursue educational careers working with young children and their families. Career examples include:

- childcare worker
- early childhood educator (birth--grade 3)
- education administrator
- family social worker
- preschool teacher or director

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 200
graduateeducation@asu.edu
877-326-6744

## Educating Multilingual Learners (Certificate), Certificate (TEESLGRCT)

**Online Degree Search Title:** Educating Multilingual Learners (Graduate Certificate)
**Campus:** Online

**Program Description:** The graduate certificate in educating multilingual learners prepares students to educate bilingual and multilingual learners in

a variety of settings, including preK-12 schools, colleges, universities and organizations serving and advocating for linguistically diverse populations.

While the program is an excellent choice for teachers seeking to improve their preparation for bilingual and multilingual learners, it does not lead to teacher certification. There is no requirement that students entering the program hold a teaching certificate or seek to obtain one.

This certificate program is not designed to address specific requirements of any single state endorsement but may address many components for state endorsements, depending on state requirements.

Individuals who wish to build a career in the field of English language teaching should consider the Master of Teaching English to Speakers of Other Languages (https://degrees.apps.asu.edu/masters-phd/major/ASU00/LAENGMTESL/teaching-english-to-speakers-of-other-languages-mtesol) offered through The College of Liberal Arts and Sciences.

**Degree Requirements:**
15 credit hours.
Required Core (9 credit hours)
BLE 534 Language, Policy, and Power: Past and Present (3)
BLE 536 Education for Social Transformation (3)
BLE 537 Linguistics for Educators (3)

Electives (6 credit hours)

Additional Curriculum Information
Students should see the academic unit for approved list of elective courses.

There is no culminating experience required for the certificate program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, preferably in education or related field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-english-second-language/) for program descriptions and to request more information.

**Career Opportunities:** As populations continue to diversify, there is high demand for professionals with expertise in supporting multilingual learners. Program graduates are well suited for positions within education or organizations serving international or immigrant populations.

Career examples include:

- education manager
- educational consultant
- instructor
- multilingual or bilingual education specialist
- professional development manager
- school administrator

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division

https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Education, MA (TEEDUMA)

**Online Degree Search Title:** Education, MA
**Campus:** Online

**Program Description:** The MA program in education is designed for professionals who want to advance their career in the field of education. Students who graduate with this degree will have the ability to support their educational endeavors which will, in turn, shape society.

Students in this program can customize their coursework in the following ways. They can choose two of the following Mary Lou Fulton Teachers College focal areas:

- applied behavior analysis
- autism spectrum disorders
- early childhood education
- educating multilingual learners
- gifted education
- global education
- learning design and technologies
- literacy education
- physical activity and physical education
- special education endorsement*
- teaching pedagogy

Or, they can choose one of the focal areas shown above and one of the focal areas from a partner college, shown below:

- business (W.P. Carey School of Business)
- data and society (New College of Interdisciplinary Studies and Arts)
- digital audience strategies (Cronkite School of Journalism and Mass Communication)
- social justice and human rights (New College of Interdisciplinary Sciences and Arts)

*Students interested in the special education endorsement should speak to an advisor before selecting this focal area. It includes additional requirements.

The program culminates with an applied project in which students design and develop an inquiry study that addresses one or more problems related to their areas of focus.

Note: Students who are part of specialized cohorts or initiatives that include a focal area in Master of Arts in education should consult with an advisor.

**Degree Requirements:**
30 credit hours including the required applied project course (EDU 593), or 30 credit hours including the required applied project course (EDU 593) - Mandarin Pathway.
Required Core (3 credit hours)
COE 501 Introduction to Research and Evaluation in Education (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)
EDU 593 Applied Project (3)

Additional Curriculum Information
The program is designed to be flexible and personalized to meet the interests of the learner. Students should see the academic unit for a list of electives to choose from as they explore focal areas of greatest interest.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College .

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or

applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program, and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

Applicants must provide a written statement of approximately 500 words that describes their personal interest in the field of education, the goals they wish to achieve while in the program, and their short- and long-term career aspirations. The admission committee pays particular attention to the quality of writing, the ideas expressed, and the relative match between the applicant and program goals.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-in-education/) for program descriptions and to request more information.

**Career Opportunities:** Students gain skills in effective communication, collaboration, leadership, advocacy and innovation, all of which are essential to education professionals in a variety of careers.

Career examples include:

- behavior specialist
- curriculum designer
- education program manager
- education subject matter expert
- instructional designer
- team lead (K-12 schools)

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
graduateeducation@asu.edu
602-543-6358

## Education (Accomplished Teaching), MA (EDACCTCMA)

**Online Degree Search Title:** Education (Accomplished Teaching), MA
**Campus:** Tempe
ASU is not currently accepting applications for this program. Prospective students interested in master's degree programs that do not lead to teacher certification might consider the MA in Education (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEEDUMA/education-ma), MEd in Global Education MEd (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEGLOEDMED/global-education-med), MEd in Learning Design and Technologies (https://degrees.apps.asu.edu/masters-phd/major/ASU00/EDTECHMED/learning-design-and-technologies-med), and the MA in Learning Sciences (https://degrees.apps.asu.edu/masters-phd/major/ASU00/EDPSYCHMA/learning-sciences-ma).
**Program Description:** The MA program in education with a concentration in accomplished teaching is designed for practicing educators who want to advance their expertise and be able to innovate not only in the classroom but also help their schools or other work settings to redesign education from a deep understanding of educational theory and practice. Students improve their understanding of student learning and assessment and they develop skills in conducting action research.

**Degree Requirements:**
30 credit hours and a thesis, or 30 credit hours including the required applied project course (DCI 593).
Required Core (15 credit hours)

Electives (12 credit hours)

Culminating Experience (3 credit hours)
DCI 593 Applied Project (3)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can comment on the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Education (Educating Multilingual Learners), MA (EDESLMA)

**Online Degree Search Title:** Education (Educating Multilingual Learners), MA
**Campus:** Online

**Program Description:** The MA in education with a concentration in educating multilingual learners prepares students to educate bilingual and multilingual learners in a variety of settings, including preK-12 schools, colleges, universities and organizations that serve and advocate for linguistically diverse populations.

Program courses are designed and led by faculty. The program advances a contextualized view of multilingualism, highlights language learning processes and related pedagogies, and promotes educators' self-reflection about their potential as advocates for their students.

Students take both a practicum and a capstone course. The practicum provides students an opportunity to apply theoretical and practical information presented through coursework in schools and other learning environments that serve multilingual learners. This is a structured practical experience supervised by a faculty member with whom the student works closely. For the capstone, students identify a specific topic or problem of practice and lead a research-driven project or in-depth review of the literature.

While the program is an excellent choice for teachers seeking to improve their preparation for bilingual and multilingual learners, it does not lead to teacher certification. There is no requirement that students entering the program hold a teaching certificate or seek to obtain one.

This program is not designed to address specific requirements of any single state endorsement but may address many components for state endorsements, depending on the state's requirements.

Note: Individuals who wish to build a career in the field of English language teaching should consider the Master of Teaching English to Speakers of Other Languages (https://degrees.apps.asu.edu/masters-phd/major/ASU00/LAENGMTESL/teaching-english-to-speakers-of-other-languages-

mtesol) offered through The College of Liberal Arts and Sciences.

**Degree Requirements:**
30 credit hours including the required capstone course (BLE 597).
Required Core (3 credit hours)
COE 501 Introduction to Research and Evaluation in Education (3)

Concentration (24 credit hours)

Culminating Experience (3 credit hours)
BLE 597 Capstone (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can comment on the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/education-educating-multilingual-learners-ma/) for program descriptions and to request more information.

**Career Opportunities:** As populations continue to diversify, there is high demand for professionals with expertise in supporting multilingual learners. Graduates are well suited for positions within education or organizations serving international or immigrant populations.

Career examples include:

- educational consultant
- education manager
- instructor
- multilingual or bilingual education specialist
- professional development manager
- school administrator

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Education (Literacy Education), MA (EDLANGMA)

**Online Degree Search Title:** Education (Literacy Education), MA
**Campus:** Online

**Program Description:** The MA program in education with a concentration in literacy education prepares students to understand the sociocultural, historical and political settings in which reading, writing, oral language and the visual arts are created and utilized.

Fully online courses include digital technologies, multimodal literature, language and literacy for diverse learners, as well as literacy assessment and instruction for children, adolescents and adults. Students learn how to evaluate literacy theories and pedagogies through both a solid theoretical foundation of literacy and a foundational knowledge base of pedagogy. The program also teaches how to use technology to encourage critical thinking for learners, as well as how to use it as a resource for teaching, assessment and inquiry.

Graduates are literacy leaders who inquire into their own instructional approaches, analyze resources available for literacy instruction and critically examine the environments and learning experiences constructed in their context.

**Degree Requirements:**
30 credit hours including the required capstone course (RDG 597).
Required Core (3 credit hours)
COE 501 Introduction to Research and Evaluation in Education (3)

Concentration (18 credit hours)
RDG 505 Language and Literacy Across the Lifespan (3)
RDG 510 Literacies, Digital Technologies, and Learning (3)
RDG 512 Theoretical Foundations in Language and Literacy (3)
RDG 515 Multimodal Literature for Children and Adolescents (3)
RDG 518 Supporting Language and Literacy for Diverse Learners (3)
RDG 519 Writing Throughout the Lifespan (3)

Other Requirements (6 credit hours)
RDG 530 Literacy Methods, Assessment and Reflection for Children (Pre-K to Grade 5) (6) or
RDG 540 Literacy Methods, Assessment and Reflection for Adolescents and Adults (Grade 6-Adult) (6)

Culminating Experience (3 credit hours)
RDG 597 Capstone (3)

Additional Curriculum Information
Students put their coursework into action through an interactive capstone project, where they design, implement, analyze and reflect on a professional development project for literacy educators.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/literacy-education/) for program descriptions and to request more information.

**Career Opportunities:** Graduates possess skills in leadership, literacy assessment and instruction, conducting research and utilizing technology, and are prepared to pursue or expand an educational career working with learners of all ages.

Career examples include:

- curriculum writer
- instructional coach
- instructor
- literacy coordinator
- literacy media specialist
- reading specialist

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Education Sciences, MS (TEEDUSCIMS)

**Online Degree Search Title:** Education Sciences, MS
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The MS program in education sciences prepares educational research professionals to address contemporary problems in many educational settings. Students learn to use quantitative analysis and optimized research design to address important issues in education policy and practice.

Coursework in the program focuses on scientifically valid research designs, data management, data mining and quantitative data analysis --- all at intermediate to advanced levels. The accompanying research apprenticeship allows students to integrate coursework into their professional experiences, enriching their ability to understand and solve complex education challenges.

The supervised research project and internship places students in a research institute, business or agency. This combined project and internship model provides graduates with integrated, relevant experience designed to open opportunities for career advancement. Working students may be able to arrange for an existing job to serve as their internship site.

This program is ideal for individuals currently working in or interested in social science research centers, school districts, state or federal agencies, university research centers, foundations, educational testing companies and any industry that focuses on employee education and outcomes.

This MS program qualifies for the STEM OPT extension for students studying on F-1 visas.

**Degree Requirements:**
33 credit hours including the required applied project course (EDU 593).
Required Core (18 credit hours)
EDU 501 Education Sciences I: Quantitative Research and Design Inquiry (6)
EDU 502 Education Sciences II: Intermediate Quantitative Inquiry and Measurement (6)
EDU 503 Education Sciences III: Advanced Quantitative Analysis and Modeling (6)

Other Requirements (9 credit hours)
EDU 592 Research (3)
EDU 598 Special Topics (6)

Culminating Experience (6 credit hours)
EDU 593 Applied Project (6)

Additional Curriculum Information
Coursework listed as other requirements may be substituted with approval of the academic unit.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

Applicants must provide a written statement of approximately 500 words that describes their personal interest in the field of education, the goals they wish to achieve while in the program, and their short- and long-term career aspirations. The admission committee pays particular attention to the quality of writing, the ideas expressed and the relative match between the applicant and program goals.

**Career Opportunities:** This program meets a growing market need for individuals with practical quantitative research, analysis and data management skills (e.g., data mining, extracting subsets of data from large databases, data visualization) focused on preK-16 and adult education. Students gain skills in research design, statistical analysis and interpretation.

Career examples include:

- data scientist
- education leader and administrator working in research centers or agencies, school districts, state or federal agencies, university research centers, foundations, educational testing companies and more
- learning and development manager
- research and data analyst

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu/
FAB 200
GradEducation@asu.edu
602-543-6358

## Educational Leadership, MEd (EDSUPVMED)

**Online Degree Search Title:** Educational Leadership, MEd
**Campus:** Polytechnic, West
ASU is not currently accepting applications for the core degree. Students interested in the principal preparation program leading to Arizona principal certification should see the Educational Leadership (Principalship), MEd (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TEPRINMED/educational-leadership-principalship-med).
**Program Description:** The MEd program in educational leadership is designed for individuals who believe in the power of education to transform children's lives and who aspire to school leadership positions as administrators or in other leadership roles in K--12 settings. This rigorous, standards-based leadership preparation program provides students with the knowledge and expertise to become transformative administrators or teacher leaders with deep and unwavering commitment to providing excellent and equitable educational opportunities for all students.

This program equips students with the skills to facilitate school-level and systemic change; create and sustain a culture of innovation and collaboration; successfully lead curriculum development; interpret and use data to support student success; provide effective feedback, support and evaluation for teachers; build a community network of support for students and schools; and ensure equitable and excellent educational opportunities and support for all students.

The master's degree program in educational leadership is designed to prepare teachers to meet Arizona requirements for principal certification. Students seeking certification in a state other than Arizona should contact their state department of education to determine the principal certification requirements prior to applying.

**Degree Requirements:**
36 credit hours and a portfolio, or 36 credit hours and a written comprehensive exam, or 36 credit hours including the required applied project (EDA 593), or 36 credit hours including the required capstone course (EDA 691).
Required Core (27 credit hours)
EDA 501 Foundations of Educational Leadership (3)
EDA 505 American Education System (3)
EDA 511 School Law (3)

EDA 514 Leadership in Curriculum and Assessment (3)
EDA 526 Instructional Supervision (3)
EDA 548 School, Family and Community Connections (3)
EDA 572 School Finance and Human Resources (3)
EDA 578 Critical Issues in Educational Leadership (3)
EDA 634 Instructional Leadership (3)

Other Requirement (6 credit hours)
EDA 584 Internship (3)
EDA 684 Internship (3)

Culminating Experience (3 credit hours)
EDA 593 Applied Project (3)

Additional Curriculum Information
The 15-month, standards-based leadership development program begins with a three-week summer intensive that immerses the cohort in a simulated school experience during which students engage in required coursework in a hybrid format. Learning continues during the school year with a blend of web-based and face-to-face courses taken at an ASU campus, including set meetings each semester wherein students visit schools and participate in instructional rounds. All students participate in a two-semester, school-based internship that provides the opportunity to apply new learning and research in a K-12 setting. The program concludes with a two-week summer intensive during which the cohort meets together and engages with coursework in a hybrid format.

Students must be employed in a school-based position or have access to an ASU- and district-approved school placement that serves as the laboratory of practice for applying the concepts, principles and leadership approaches learned through the coursework.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and have at least two years of pre-K through grade 12 teaching experience as a teacher of record.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Educational Leadership (Principalship), MEd (TEPRINMED)

**Online Degree Search Title:** Educational Leadership (Principalship), MEd
**Campus:** West, Online

**Program Description:** The MEd program in educational leadership with a concentration in principalship is designed for educators who believe in the power of education to transform children's lives and who aspire to school leadership positions as administrators or in other leadership roles in K-

12 settings.

All courses are offered remotely, and students select one of two modalities:

• ASU Sync --- This is an accelerated, 14-month program. ASU Sync offers regularly scheduled evening classes via synchronous learning over Zoom. Instructors and students are not in the same physical space but do meet at the same time, offering a live learning experience with peers and faculty. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.
• ASU Online --- This is a two-year program for students admitted to the online location. ASU Online offers classes via asynchronous instruction. Instructors and students are not in the same physical space and do not meet at the same time, allowing students to complete coursework on their own schedules. Students completing their program through ASU Online must be admitted to the online campus.

Both options prepare students to meet Arizona requirements for principal certification and national standards for educational leadership. Students interested in certification in a state other than Arizona should contact their state department of education to determine the principal certification requirements prior to applying to the program.

Students in this program gain the skills to facilitate school-level and systemic change; create and sustain a culture of innovation, collaboration and collective excellence; successfully interpret and research school-based data to support student success; provide effective feedback in the interest of students; effectively support teachers; build a community network for all students and families; and lead schools in the pursuit of equitable and excellent educational opportunities.

Students must be employed in a school-based position or have access to an approved school placement that serves as their laboratory of practice. During the school year, students complete a two-semester, school-based internship with a certified principal who serves as a mentor for all field experiences. As part of the internship, students plan, research, implement and evaluate an action research project designed to solve a problem of practice in their placement school.

ASU Sync
Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Degree Requirements:**
36 credit hours including the required applied project course (EDA 593).
Required Core (27 credit hours)
EDA 501 Foundations of Educational Leadership (3)
EDA 505 American Education System (3)
EDA 511 School Law (3)
EDA 514 Leadership in Curriculum and Assessment (3)
EDA 526 Instructional Supervision (3)
EDA 548 School, Family, and Community Connections (3)
EDA 572 School Finance and Human Resources (3)
EDA 578 Critical Issues in Educational Leadership (3)
EDA 634 Instructional Leadership (3)

Other Requirement (6 credit hours)
EDA 584 Internship (3)
EDA 684 Internship (3)

Culminating Experience (3 credit hours)
EDA 593 Applied Project (3)

Additional Curriculum Information
All students participate in a two-semester, school-based internship that provides the opportunity to apply new learning and research in a K-12 setting. Students must be employed in a school-based position or have access to an ASU- and district-approved school placement that serves as the laboratory of practice.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and have at least two years of pre-K through grade 12 teaching experience as a teacher of record.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program, and one of the letters must be from a current immediate supervisor who is a principal, assistant principal or the equivalent.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-educational-leadership-principalship/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of this rigorous, standards-based leadership preparation program have the expertise to become transformative administrators or teacher leaders. They have decision-making skills rooted in professional self-awareness, effective collaboration and critical reasoning.

Career examples include:

- assistant principal
- principal
- school administrator
- team lead (K-12 school)

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GradEducation@asu.edu
480-965-9995

## Educational Policy, MA (EDSPFMA)

**Online Degree Search Title:** Educational Policy, MA
**Campus:** Tempe

**Program Description:** The MA program in educational policy is suited for individuals who want to deepen their understanding of how to translate research to policy and practice, communicate and engage with stakeholders, and propose effective research-based policies. Students also develop fundamental skills in analyzing and interpreting educational data.

This program is formatted as a cohort model. It provides a supportive environment for students to take a sequence of core courses with their peers and to learn from professors who are experts in their fields. The program also provides students with the flexibility to select elective courses and individualize their experience to suit their unique interests and aspirations.

In the culminating experience in the final semester, students design and execute an individual or group project that utilizes their new knowledge and applied research skills.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (EPA 593).
Required Core (15 credit hours)
EPA 532 Becoming an Informed Consumer of Education Research (3)
EPA 555 Translating Research for Educational Change (3)
EPA 556 Data Analysis for Education Decision Makers (3)
EPA 559 Systematic Inquiry for Problem Solving (3)
EPA 565 Critical Topics in Education Policy (3)

Restricted Elective or Research (12 credit hours)

Culminating Experience (3 credit hours)
EPA 593 Applied Project (3)

Additional Curriculum Information
For electives or research, students should see the academic unit for the approved course list.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

**Career Opportunities:** Graduates are prepared to expand or pursue careers that involve the use and interpretation of data. This program is also suited for students who want to pursue doctoral degrees in education after graduation.

Examples of possible positions graduates might pursue include:

- grants administrator
- policy analyst
- program and project manager
- research and data analyst

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GradEducation@asu.edu
602-543-6358

# Educational Policy and Evaluation, PHD (EDLDRSHPHD)

**Online Degree Search Title:** Educational Policy and Evaluation, PhD
**Campus:** Tempe
The GRE requirement is waived for Fall 2023 applications.
**Program Description:** The PhD program in educational policy and evaluation prepares scholars to conduct rigorous, high-impact and transdisciplinary research on education policies that affect conditions in preK-20 and other educational environments.

Doctoral students in the educational policy and evaluation program engage in systematic analyses of education policies and practices in a variety of settings, including schools, universities, research centers, government agencies and nongovernmental organizations.

The program emphasizes intensive training in the theory, methods and implementation of education policy with a focus on research and evaluation. Students pursue an area of specialization supported by faculty expertise.

Educational policy and evaluation students work closely with nationally and internationally recognized faculty members on collaborative and independent research projects that advance education, including scholarly articles, policy briefs, reports and engagement in education policy. The program also provides opportunities for internships in applied settings and experiences in scholarly publishing to influence the field.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Of the 84 credit hours required for the degree, 54 must be earned at ASU and 24 of the ASU credit hours must be earned in research and dissertation courses. The coursework includes classes in evaluation, policy analysis, research methods and an area of specialization. Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the 84 credit hours. In addition, with program and Graduate College approval, a student may use up to 12 additional credit hours toward the doctorate if documentation is provided showing that those credit hours were not part of the master's degree.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a master's degree from a regionally accredited institution or an international equivalent as determined by Graduate Admissions.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- academic writing sample
- curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Career Opportunities:** Students gain the knowledge and skills to pursue careers as education researchers who advance the collective understanding of education policy for preK-20 and other education environments.

Career examples include:

- policy analyst
- professor
- program evaluator
- researcher

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118

GraduateEducation@asu.edu
602-543-6358

## Educational Technology, PHD (EDTECHPHD)

**Online Degree Search Title:** Educational Technology, PhD
**Campus:** Tempe
ASU is not currently accepting applications for this program. Prospective students might consider the Learning Design and Technologies, MEd (https://degrees.apps.asu.edu/masters-phd/major/ASU00/EDTECHMED/learning-design-and-technologies-med).
**Program Description:** The focus of the PhD program in educational technology is on the design, development and evaluation of instructional systems and on educational technology applications that support learning. The doctoral program emphasizes research using educational technology in applied settings.

**Degree Requirements:**
84 credit hours, a written comprehensive exam, a prospectus and a dissertation.
Required Courses (24 credit hours)
EDP 540 Learning Theories and Instructional Strategies (3)
EDP 552 Multiple Regression and Correlation Methods (3)
EDP 554 Analysis-of-Variance Methods (3)
LDT 501 Foundations of Learning Design and Technologies (3)
LDT 502 Design and Development of Instruction (3)
LDT 503 Design of Effective Communications (3)
LDT 504 Modalities of Learning (3)
LDT 506 Evaluation of Learning Systems (3)
EDT 701 Research in Educational Technology (3)

Elective Courses (30 credit hours)
Students select a minimum of 30 credit hours of elective coursework in consultation with a faculty advisor or doctoral committee chair.

Practicum Hours (6 credit hours and research)
Students must earn at least 18 credit hours for practicum courses. Students complete three different practica while in the program: instructional design (typically EDT 780 Practicum for three credit hours), teaching (typically EDT 680 Practicum for three credit hours), and a research practicum.

Research (12 credit hours)

Culminating Experience (12 credit hours)
EDT 799 Dissertation (12)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.20 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three email addresses for professional recommendations
- personal statement
- resume
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The Mary Lou Fulton Teachers College requires a minimum score of 100 on the TOEFL iBT.

Scores of 500 or above on the verbal reasoning and quantitative reasoning sections of the GRE are required as well as a score of four or greater on the analytical writing section of the GRE.

**Career Opportunities:** The program prepares students for a variety of professional positions. Graduates are employed as faculty, educational technologists or instructional designers in universities, community colleges and schools or as training managers in corporate settings.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Elementary Education, MEd (TEELEMMED)

**Online Degree Search Title:** Elementary Education, MEd
**Campus:** Online

**Program Description:** The MEd program in elementary education prepares students to start a career teaching grades K-8. It is designed for individuals who do not need to obtain teacher certification. The program builds on connections between educational design and decision-making and is designed to foster strong professional growth and leadership development.

All courses are offered remotely, and students select one of two modalities:

• ASU Sync offers regularly scheduled evening classes via synchronous learning over Zoom. Instructors and students are not in the same physical space but do meet at the same time, offering a live learning experience with peers and faculty. Students on I-20 visas are not permitted to complete courses via ASU Sync and should speak with an advisor about other options to complete this program.
• ASU Online offers classes via asynchronous instruction. Instructors and students are not in the same physical space and do not meet at the same time, allowing students to complete coursework on their own schedules. Students completing their program through ASU Online must be admitted to the online campus.

This program can be taken in three continuous semesters, allowing students to complete the program in one year. Students can also enroll part-time over additional semesters.

Mary Lou Fulton Teachers College faculty actively engage in the educational research community, bringing new and relevant knowledge into the program. Students engage in their own research through applied project coursework, deepening their knowledge and improving their practice through research, critical evaluation and application of education concepts. The program culminates in an action research project in which students apply what they've learned to address a challenge in education.

The master's degree program does not lead to teacher certification. Students interested in certification should enroll in the Master of Education program in elementary education with a concentration in teacher certification or in the teacher certification graduate certificate program.

ASU Sync
Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Degree Requirements:**
34 credit hours including the required applied project course (EED 593).
Required Core (8 credit hours)
TEL 510 Instructional Design, Planning and Assessment (2)
TEL 511 Research and Evaluation in Education (2)
TEL 517 Creating Equitable Learning Environment: Decision Making and Action (3)
TEL 572 Educator Scholar Community III (1)

Electives (3 credit hours)

Other Requirement (20 credit hours)
EED 529 Science Teaching Methods for Elementary School (2)
EED 532 Literacy Methods of Instruction and Assessment for Diverse Learners (3)
EED 534 Social Studies Methods and Assessments (2)
EED 537 K-8 Mathematics Methods and Assessment (3)
TEL 502 Exploration of Education: Child/Adolescent Development and Foundations of Special Education (3)
TEL 531 Foundations of Literacy: The Science of Reading (3)
TEL 540 Cultivating Networks of Culturally Responsive Relationships Among Families, Communities and Cultures (2)
TEL 570 Educator Scholar Community I (1)
TEL 571 Educator Scholar Community II (1)

Culminating Experience (3 credit hours)

EED 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any content area or education-related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- personal statement
- three professional references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The following are accepted to meet this requirement:

- TOEFL: Applicants must have a score of at least 90 on the internet based test (iBT), with scores of 22-30 on the speaking and written portions. ASU's institutional code is 4007. Only electronic copies of scores are accepted.
- IELTS: Applicants must have an overall band score of at least 6.5 with speaking and writing portions needing to be at least 6.5 (6 = Competent User, 7 = Good User). No institutional code is needed.

The personal statement should describe the personal and professional goals that motivated the applicant to apply to the graduate degree and explain what led the applicant to this career path and how they will excel as an educator. The admission committee pays particular attention to the quality of writing and ideas expressed in the personal statement. The statement should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

The professional resume should be one to two pages and include relevant personal, professional, educational and community activities. The resume should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/elementary-education-masters/) for program descriptions and to request more information.

**Career Opportunities:** Graduates are prepared to start or advance in educational careers working with children in grades K-8 in roles that do not require certification. Students gain skills in instruction, assessment, educational research and collaborating in teams --- all of which prepares them to work successfully in schools and other community-serving organizations. Roles may include noncertified educators in charter or private schools or educators in non-school settings

This program may also be suitable for certified teachers who do not have an undergraduate or graduate degree in education.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
FAB 200
GradEducation@asu.edu
480-965-9995

## Elementary Education (Teacher Certification), MEd (TEEEACLMED)

**Online Degree Search Title:** Elementary Education (Teacher Certification), MEd
**Campus:** Online

**Program Description:** The MEd program in elementary education with a concentration in teacher certification is for those who already hold a bachelor's degree in any field and want to become licensed to teach grades K-8. The program builds on connections between educational design and decision-making and is designed to foster strong professional growth and leadership development.

All courses are offered remotely, and students select one of two modalities:

• ASU Sync offers regularly scheduled evening classes via synchronous learning over Zoom. Instructors and students are not in the same physical space but do meet at the same time, offering a live learning experience with peers and faculty. Students on I-20 visas are not permitted to complete courses via ASU Sync and should speak with an advisor about other options to complete this program.
• ASU Online offers classes via asynchronous instruction. Instructors and students are not in the same physical space and do not meet at the same time, allowing students to complete coursework on their own schedules. Students completing the program through ASU Online must be admitted to the online campus.

This program can be taken in three continuous semesters, allowing students to complete the program in one year. Students can also enroll part-time over additional semesters.

Mary Lou Fulton Teachers College faculty actively engage in the educational research community, bringing new and relevant knowledge into the program. Students engage in their own research through applied project coursework, deepening their knowledge and improving their practice through research, critical evaluation and application of education concepts.

A series of professional experiences assist students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through the clinical framework provides students with the support they need to become effective educators.

This program offers two routes leading to Arizona teacher certification:

• In the traditional certification route, students conduct one internship or teaching residency per semester for at least three semesters. They begin by completing an internship in a local school and then progress to a full-time teaching residency.
• The alternative certification route provides an alternative pathway to teacher certification for individuals who are currently employed full-time by a school as a teacher of record. To qualify, individuals must secure a full-time teaching position in an approved content and grade level.

The coursework is the same in both certification routes and culminates in an action research project in which students apply what they've learned to address a challenge in their classroom.

Graduates earn an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification in Elementary Education, K-8. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

ASU Sync
Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Degree Requirements:**
40 credit hours including the required applied project course (EED 593) - Alternative Certification, or 40 credit hours including the required applied project course (EED 593) - Traditional Certification.
Required Core (8 credit hours)
TEL 510 Instructional Design, Planning and Assessment (2)
TEL 511 Research and Evaluation in Education (2)
TEL 517 Creating Equitable Learning Environment: Decision Making and Action (3)
TEL 572 Educator Scholar Community III (1)

Concentration (20 credit hours)
EED 529 Science Teaching Methods for Elementary School (2)
EED 532 Literacy Methods of Instruction and Assessment for Diverse Learners (3)
EED 534 Social Studies Methods and Assessments (2)
EED 537 K-8 Mathematics Methods and Assessment (3)
TEL 502 Exploration of Education: Child/Adolescent Development and Foundations of Special Education (3)
TEL 531 Foundations of Literacy: The Science of Reading (3)
TEL 540 Cultivating Networks of Culturally Responsive Relationships Among Families, Communities and Cultures (2)
TEL 570 Educator Scholar Community I (1)
TEL 571 Educator Scholar Community II (1)

SEI Endorsement (3 credit hours)
ELL 515 Structured English Immersion Methods (3)

Other Requirements (6 credit hours)
6 credit hours of Alternative Certification Pathway courses, or

6 credit hours of Traditional Certification Pathway courses

Culminating Experience (3 credit hours)
EED 593 Applied Project (3)

Additional Curriculum Information
Students select one of the alternative certification or traditional certification pathways. For the teacher certification pathway requirements, students complete six credit hours from Internship, Apprentice Teaching or Student Teaching depending on pathway to certification.

Students switching pathways from alternative certification to traditional certification may substitute Apprentice Teaching for Student Teaching with department permission. Students switching pathways from traditional certification to alternative may substitute Student Teaching for 2 credits of Apprentice Teaching with department permission.

ELL 515 is substitutable with department approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- IVP fingerprint clearance card issued by the state of Arizona
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-elementary-education-teacher-certification/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. They possess skills in teaching, conducting research, utilizing technology and collaborating in teams --- all of which prepares them to succeed in educational careers working with learners in grades K-8.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
480-965-9995

## Gifted Education (Certificate), Certificate (TEGEDGRCT)

**Online Degree Search Title:** Gifted Education (Graduate Certificate)
**Campus:** Online

**Program Description:** The graduate certificate program in gifted education provides the theory and pedagogy needed to identify and serve gifted children. This program is for teachers, school administrators, school psychologists, early interventionists and family members who want to strengthen their ability to work with this population of learners.

Students of the program learn how to identify learning potential and address specific needs of gifted and talented students. They have an understanding of gifted students' affective and academic needs and know how to design and provide appropriately challenging, differentiated curriculum and instruction.

Students learn how to develop a continuum of gifted programs and services, work with school administrators, teachers, school boards and parents, and are able to advocate for gifted students at local and national levels.

The program also provides coursework in gifted education required for the Gifted Education (K-12) endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

**Degree Requirements:**
15 credit hours.
Required Core (12 credit hours)
SPE 585 Creativity: Foundations of Research and Development in Gifted Education (3)
SPE 586 Advising the Gifted Learner: Social and Emotional Needs (3)
SPE 587 Special Populations in Gifted Education (3)
SPE 588 The Gifted Learner: Foundations of Identification, Education and Development (3)

Electives (3 credit hours)
SPE 572 Testing and Measurement in Gifted Education: Methods (3)
SPE 573 Differentiating Instruction for Gifted Learners: Teaching Methods (3)
SPE 589 Gifted Education Programming: Models, Methods and Services (3)

Additional Curriculum Information
Students choose one course from SPE 572, SPE 573 or SPE 589 to complete the elective requirement.

There is no culminating experience required for this certificate program.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, preferably in education or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-gifted-education/) for program descriptions and to request more information.

**Career Opportunities:** Graduates have skills in creating and strengthening gifted programs, developing instructional methods, advocating for learners and working with school districts and families.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu

ED 118
GraduateEducation@asu.edu
602-543-6358

## Global Education, MEd (TEGLOEDMED)

**Online Degree Search Title:** Global Education, MEd
**Campus:** Online

**Program Description:** The MEd program in global education prepares professionals working in the field of international and comparative education to identify, analyze and address contemporary problems that cross borders, cultures and disciplines in a variety of educational settings.

This program is directed at individuals currently working in or interested in international education, especially those charged with the administration, planning and evaluation of educational programs and policies. Students gain a deeper understanding of the complex and dynamic relationship between global and local perspectives, develop practical solutions for key challenges and experience working collaboratively across disciplines.

**Degree Requirements:**
30 credit hours including the required applied project course (GLE 593).
Required Core (18 credit hours)
GLE 501 Global Thinking in Education (3)
GLE 502 Inquiry in Global Education (3)
GLE 503 Evaluating Global Education Policies and Programs (3)
GLE 504 Exploring Global Education Issues in the Global Education Literature (3)
GLE 505 Evidence in Global Education Inquiry (3)
GLE 506 Applied Inquiry in Global Education: Developing Proposals for Field Research (3)

Electives or Research (9 credit hours)

Culminating Experience (3 credit hours)
GLE 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in global education, comparative education or other related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

Applicants must complete a personal statement that describes their background including the personal, educational and professional experiences that led them to apply to this program. Applicants should follow the specific prompt found in the application.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/global-education-med/) for program descriptions and to request more information.

**Career Opportunities:** Students in this program gain skills needed for leading in the education sector and continuously improving it. They are equipped with the research and analysis skills that enable them to gather evidence to inform, design and improve practices to strengthen systems that provide quality education for diverse populations. This prepares them to expand or pursue a variety of careers in international education.

Career examples include:

- global education subject matter expert

- policy analyst
- program and project manager
- school administrator

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
FAB 200
graduateeducation@asu.edu
602-543-6358

## Higher and Postsecondary Education, MEd (EDPOSTMED)

**Online Degree Search Title:** Higher and Postsecondary Education, MEd
**Campus:** Downtown Phoenix, Tempe

**Program Description:** The MEd program in higher and postsecondary education is designed to facilitate the professional development of those who work in colleges and universities in administrative roles, as well as academic support and student support positions.

The program develops leaders who have a strong understanding of the theory and practice of higher education administration; possess the ability to analyze issues confronting contemporary colleges and universities; and can exercise innovative and effective decision-making.

Coursework addresses a range of practice-focused topics in the field, including the following: the history of higher education in the United States; organizational characteristics of colleges and universities; important laws and policies pertaining to administrative practice in higher education; how colleges and universities are funded; how to work successfully with diverse stakeholders in contemporary higher education; and how to collect and use data to improve decision-making.

This 30 credit-hour, 10-course program is offered on a 7.5-week calendar in fall and spring semesters (six weeks in summer). Students may enroll part time or full time.

Most courses are offered in a hybrid format with 50% of the content delivered face-to-face (weekday evenings) and 50% delivered through independent or technology-supported learning experiences and fieldwork.

This program culminates with the creation and presentation of an applied project in which students demonstrate their understanding of critical issues in higher education and how to collect and use data to improve their professional practice. The project is also designed to promote graduates' career advancement in higher and postsecondary education settings.

**Degree Requirements:**
30 credit hours including the required applied project course (HED 593).
Required Core (6 credit hours)
HED 510 Introduction to Higher Education (3)
HED 573 Applied Inquiry in Higher Education (3)

Other Requirements (3 credit hours)
HED 580 Practicum in Higher Education (3)

Foundation Courses (12 credit hours)
HED 620 Diversity in Higher Education (3)
HED 644 Higher Education Finance and Budgeting (3)
HED 689 Leadership in Higher Education (3)
HED 691 Seminar: Student Development Theory (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
HED 593 Applied Project (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can comment on the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Career Opportunities:** Graduates of the program have acquired skills in analyzing issues in higher education, working with diverse stakeholders, conducting research and making data-driven decisions, all of which prepare them to expand or pursue administrative roles at colleges and universities.

Career examples include:

- college program director
- student affairs leader
- student life leader
- student services staff

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 120
GradEducation@asu.edu
602-543-6358

## Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)

**Online Degree Search Title:** Institutional Research and Policy Analysis (Graduate Certificate)
**Campus:** Tempe

**Program Description:** The graduate certificate in institutional research and policy analysis provides participants with the training needed to critically assess education programs and policies, and engage in data-driven decision-making. Students analyze data from applied settings, including their own schools or organizations.

This certificate program allows students to glean insights from data that help them make effective decisions in classrooms, schools, districts and other organizations; present reliable and pertinent data to their colleagues and administrators; and develop analyses that can help them identify instructional changes aimed at improving student achievement.

**Degree Requirements:**
15 credit hours.
Required Courses (15 credit hours)
EPA 532 Becoming an Informed Consumer of Educational Research (3)
EPA 555 Translating Research for Educational Change (3)
EPA 556 Data Analysis for Education Decision Makers (3)
EPA 559 Systematic Inquiry for Problem Solving (3)
EPA 565 Critical Topics in Education Policy (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

The personal statement should describe the applicant's interests and reason for seeking this degree

GRE scores are not required for admission.

**Career Opportunities:** Graduates possess skills in assessing education programs and policies, synthesizing research literature and conducting applied research. They are prepared to expand or pursue careers that involve the use and interpretation of data. Possible career examples include:

- curriculum leader
- policy analyst
- program and project manager
- research and data analyst
- teacher administrator

This program is also suited for those who want to pursue a doctoral degree in education after graduation.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu/
ED 118
GradEducation@asu.edu
602-543-6358

## Instructional Design and Performance Improvement (certificate), Certificate (EDEDTGRCT)

**Online Degree Search Title:** Instructional Design and Performance Improvement (Graduate Certificate)
**Campus:** Tempe, Online

**Program Description:** The graduate certificate program in instructional design and performance improvement prepares students to advance technology-based learning initiatives. Students study the creation of instructional plans and materials and combine theories in education, psychology and communication to create effective teaching solutions for adult learners.

Coursework in effective communication and leadership supports each student's professional growth, and integrating this coursework into applied projects prepares them for careers focused on optimizing learning. Students learn how to identify gaps in the performance of individuals, teams or organizations, as well as how to develop methods to close those gaps and improve performance and efficiency.

The information covered in this program does not prepare graduates to teach in a K-12 classroom, though educators with a secondary role in their district --- such as creating or conducting professional development experiences, or as a technology coordinator or trainer --- can benefit from this certificate. Students can pursue this graduate certificate while enrolled in other graduate programs at ASU.

**Degree Requirements:**
15 credit hours.
Required Core (12 credit hours)
LDT 501 Foundations of Learning Design and Technologies (3)
LDT 502 Design and Development of Instruction (3)
LDT 503 Design of Effective Communications (3)
LDT 523 Issues in Online and Distance Education (3)

Other Requirement (3 credit hours)
LDT 504 Modalities of Learning (3) or
LDT 507 Performance Improvement and Leadership (3) or
LDT 508 Design of Accessible and Inclusive Digital Learning (3) orLDT 598: Special Topics (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

GRE scores are not required for admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/instructional-design/) for program descriptions and to request more information.

**Career Opportunities:** The field of instructional and learning design is continuing to expand as organizations seek to develop more of their training in online and hybrid formats. Preparation in instructional design positions graduates to work in school districts, universities, or in an organization training employees or customers, to design online courses, coach instructors and develop new computer-based learning methods.

Students completing this certificate program broaden their instructional and learning design expertise for future advancement in their fields including:

- curriculum developer
- distance or blended learning professional
- instructional designer
- instructional technologist
- learning designer
- learning management system administrator
- online learning specialist
- online training manager
- technology integration specialist

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Leadership and Innovation, EdD (TELINEDD)

**Online Degree Search Title:** Leadership and Innovation, EdD
**Campus:** West, Online

**Program Description:** The EdD program in leadership and innovation prepares scholarly practitioners and is designed for practicing educator-

leaders who work in a range of settings and who want to transform and improve their practice to create better learning opportunities for students of all ages.

This three-year, cohort-based program is offered in two modalities, hybrid (a combination of classes delivered at West campus and online) and 100% online, with similar coursework and structure and taught by the same faculty.

Students begin as accomplished teachers, teacher leaders, principals, superintendents, higher education professionals or leaders in other educational contexts. Through coursework, students deepen their abilities to lead change and implement innovation in their local educational organizations.

The program focuses on action research and includes required coursework, strengthening students' abilities to reflectively and critically think about problems of practice in one of the following contexts: preK-12 change leadership; higher education change leadership; or systems, professional and reimagined change leadership.

Differentiation among these contexts and students' interests occurs within the required coursework and program-related activities as students apply their learning to their specific work contexts.

Students conduct multiple cycles of inquiry throughout the program and learn research within their own workplace. They share their research at the end of each academic year through presentations in a virtual doctoral research conference.

Leader-Scholar Communities, formed at the end of the first year and consisting of five to seven students and one faculty member, meet regularly for the second and third years of the program to supply academic and personal support. Through these communities, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Each student's community leader serves as the dissertation chair, along with two additional committee members who ultimately make up the doctoral committee.

Successful graduates make a commitment to continuing systematic study of their professional practice and sustaining innovation and leadership by making a positive difference in their local settings. The program aims to enable more thoughtful, intentional and informed leaders who are willing and able to implement and study continuous improvement.

The program makes a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, schools or other organizations, and local communities.

The program is not designed to prepare students for academic research-oriented tenure-track positions.

**Degree Requirements:**
90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (24 credit hours)

Research (9 credit hours)

Advanced Professional Studies (6 credit hours)

Directed Field-based Study (3 credit hours)

Participation in Leader-Scholar Communities (6 credit hours)

Electives (30 credit hours)

Dissertation (12 credit hours)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

Students register for required research and dissertation hours as part of the Leader-scholar Communities requirement.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework is made up of electives to reach the required 90 credit hours.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- an academic writing sample
- curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reasons for seeking this degree, along with potential problems of practice to serve as a guide for applied research in the program.

GRE scores are not required for admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/edd-leadership-and-innovation/) for program descriptions and to request more information.

**Career Opportunities:** Graduates possess skills in thinking critically about problems of practice, designing and conducting action research, collaborating with teams in leader-scholar communities and leading change in an educational organization. They are prepared to expand or pursue leadership positions in pre-K-12 schools and higher education institutions.

Career examples include:

- community college leader
- educational consultant
- educational professional developer
- principal
- superintendent
- teacher leader
- university administrator

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
doctoraleducation@asu.edu
602-543-6358

## Leadership and Innovation (Policy and Administration), EdD (TEINNPAEDD)

**Online Degree Search Title:** Educational Leadership and Innovation (Policy/Admin), EdD
**Campus:** West
ASU is not currently accepting applications for this program. Interested students should consider the Leadership and Innovation, EdD (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TELINEDD/leadership-and-innovation-edd) or the Educational Policy and Evaluation, PhD (https://degrees.apps.asu.edu/masters-phd/major/ASU00/EDLDRSHPHD/educational-policy-and-evaluation-phd).
**Program Description:** The EdD program in leadership and innovation is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and edupreneurs or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.

Leader-scholar communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and making a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program can make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

**Degree Requirements:**
90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).
Required Core (15 credit hours)
Research Core (9 credit hours)
Advanced Professional Studies (15 credit hours)
Directed Field-based Study (3 credit hours)
Participation in Leader-scholar Communities (6 credit hours)
Dissertation (12 credit hours)

**Admission Requirements:** The concentration in policy and administration under the doctoral program in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Leadership and Innovation (Teaching), EdD (TEINNTEEDD)

**Online Degree Search Title:** Educational Leadership and Innovation (Teaching), EdD
**Campus:** West
ASU is not currently accepting applications for this program. Interested students should apply directly to the Leadership and Innovation, EdD (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TELINEDD/leadership-and-innovation-edd).
**Program Description:** The EdD program in leadership and innovation is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and edupreneurs or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.

Leader-scholar communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and making a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program can make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

**Degree Requirements:**
90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).
Professional Core (15 credit hours)
Research Core (9 credit hours)
Advanced Professional Studies (15 credit hours)
Directed Field-based Study (3 credit hours)
Participation in Leader-scholar Communities (6 credit hours)
Dissertation (12 credit hours)

**Admission Requirements:** The concentration in leadership of teaching innovation under the doctoral program in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu/
ED 118
GraduateEducation@asu.edu
602-543-6358

## Learning Design and Technologies, MEd (EDTECHMED)

**Online Degree Search Title:** Learning Design and Technologies, MEd
**Campus:** Online

**Program Description:** The MEd program in learning design and technologies prepares students to build critical competencies related to designing quality online learning. It prepares students to use technology effectively to meet the needs of learners.

This program centers on the development and review of educational structures and emphasizes the design of learning environments, systems, applications and instructional materials. Students gain skills in planning, designing, implementing and evaluating instruction for multiple learning contexts.

Students take on education challenges and apply knowledge gained through coursework to a variety of projects, with a key area of focus formed around cutting-edge educational technology.

All courses are taught online and combine a range of resources and technologies to facilitate direct interaction between students, program faculty and classmates.

**Degree Requirements:**
30 credit hours including the required applied project course (LDT 593).
Required Core (24 credit hours)
EDP 540 Learning Theories and Instructional Strategies (3)
LDT 501 Foundations of Learning Design and Technologies (3)
LDT 502 Design and Development of Instruction (3)
LDT 503 Design of Effective Communications (3)
LDT 504 Modalities of Learning (3)
LDT 506 Evaluation of Learning Systems (3)
LDT 508 Design of Accessible and Inclusive Digital Learning (3)
LDT 523 Issues in Online and Distance Education (3)

Elective (3 credit hours)

Culminating Experience (3 credit hours)
EDT 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-learning-design-technologies/) for program descriptions and to request more information.

**Career Opportunities:** As digital education grows increasingly important in both academic and business settings, there is increasing demand for skilled educators who can thoughtfully and effectively integrate technology with pedagogy and instruction.

Graduates are professionals in learning design and technology who are prepared for careers in instructional design in a variety of business settings (corporate, industry, museum, nonprofit, public and government) as well as for technology leadership positions in traditional educational settings (K-12 schools, colleges and universities).

Career examples include:

- curriculum designer or developer
- distance learning director
- e-learning developer
- instructional designer
- online teacher, mentor or trainer
- technology integration specialist
- training specialist, coordinator, manager or director

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Learning Sciences, MA (EDPSYCHMA)

**Online Degree Search Title:** Learning Sciences, MA
**Campus:** Tempe

**Program Description:** The MA program in learning sciences emphasizes an understanding that learning happens in many places other than traditional school settings, and doing so focuses on the power of design thinking to improve educational systems.

The curriculum's systems-level approach includes cognitive, social and contextual factors as well as the interactions among them.

Individualized guidance provides students with the support they need to succeed in today's rapidly evolving educational environment. Students work with faculty to determine whether they'll conduct an applied project or complete a research thesis study. Applied projects provide evidence of mastery of the skills and knowledge obtained through the program, while a thesis project requires students to complete a research study within an

area of inquiry in the learning sciences and also has the potential for scholarly recognition.

This program does not lead to teacher certification but can prepare graduate students for doctoral credentials in education after graduation.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Educational Studies, BAE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
30 credit hours including the required applied project course (LSE 593), or 30 credit hours, a thesis and a written comprehensive exam.
Required Core (3 credit hours)
LSE 540 Theoretical Views of Learning in the Learning Sciences (3)

Electives or Research (21 or 24 credit hours)

Culminating Experience (3 or 6 credit hours)
LSE 593 Applied Project (3) or
LSE 599 Thesis (6)

Additional Curriculum Information
With advisor approval, EDP 540 may be taken in place of LSE 540 for the core requirement.

Students completing an applied project for their culminating experience take 24 credit hours of electives or research courses.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program, and the personal statement should describe the applicant's interests and reason for seeking this degree.

**Career Opportunities:** Students gain skills in facilitating learning using an interdisciplinary approach, drawing upon cognitive science, educational psychology, computer science, anthropology, sociology, information sciences, neurosciences, instructional design and more. This prepares students to expand or pursue a variety of educational careers tailored to their professional goals.

Graduates of the program are equipped to design effective learning and teaching systems in a broad range of settings such as museums, libraries, workplaces and schools. The program prepares graduates to become leaders in the development, integration and improvement of these systems.

Career examples include:

- educational and interactional designer
- educator in community organization
- educator in educational institution

• training specialist, coordinator, manager or director

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GradEducation@asu.edu
602-543-6358

## Learning, Literacies and Technologies, PHD (EDCIPHD)

**Online Degree Search Title:** Learning, Literacies and Technologies, PhD
**Campus:** Tempe
The GRE requirement is waived for Fall 2023 applications.
**Program Description:** The PhD program in learning, literacies and technologies is designed to prepare scholars who address socially significant educational programs and transform preK-20 educational programs through rigorous research, transdisciplinary engagements and educational interventions. Students rely on multiple theoretical and methodological perspectives to explore, influence and transform educational institutions and their practices.

Students begin engaging in research studies during their first semester and continue throughout the four-year program. Faculty with diverse disciplinary backgrounds collaborate with doctoral students, individually and in teams, to design powerful studies, implement them in authentic settings, collect and analyze data, write research reports, and present and publish research primarily in academic journals. Students prepare to enter the academy and to conduct theoretical, conceptual and humanities based educational research. Students in these areas are encouraged to apply to the program.

Academic study and research in the learning, literacies and technologies program focuses on the nature of curriculum learning and literacies for diverse learners in various educational contexts. Furthermore, students in this program examine how the use of technologies can support learning, design learning environments and understand the conditions under which learning occurs.

Students develop areas of specialization with faculty advisors and doctoral committee members, work at the cutting edges of educational research, and thus lead the way to innovate and explore how new technologies can assist literacies for various learning contexts. Past examples of student specializations include mathematics education, gender and equity studies, science education and curriculum studies. Students are encouraged to craft their own programs of specialization and to work with faculty from across the university.

**Degree Requirements:**
85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (9 credit hours)
DCI 701 Transdisciplinary Seminar I (3)
DCI 702 Transdisciplinary Seminar II (3)
DCI 706 Academic Writing (3)

Specialization (15 credit hours)

Research (12 credit hours)
COE 503 Introduction to Qualitative Research (3)
DCI 752 Quantitative Research Design (3)
advanced research methods course (6)

Electives (37 credit hours)

Culminating Experience (12 credit hours)
DCI 799 Dissertation (12)

Additional Curriculum Information
Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the 85 credit hours. In addition, with program and Graduate College approval, a student may use up to 12 additional credit hours toward the doctorate if documentation is provided showing that those credit hours were not part of the master's degree.

As part of electives, students complete seven credit hours of inquiry courses selected in consultation with the program advisor.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All Applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation (one from an academic who can speak to your potential for graduate study)
- personal statement
- an academic writing sample
- curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and their reason for seeking this degree.

**Career Opportunities:** Graduates are educational researchers who serve as scholars, leaders and teacher educators engaged in the design, development and use of literacies and technologies that promote learning. They are stewards of their educational field, working across disciplinary boundaries to address the learning challenges of the new millennium.

Career examples include:

- college program director
- educator
- instructional designer
- instructional specialist
- professor
- researcher
- teacher educator

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)

**Online Degree Search Title:** Online Teaching for Grades K-12 (Graduate Certificate)
**Campus:** Tempe, Online
ASU is not currently accepting applications for this program.
**Program Description:** This certificate program prepares educators to design systems for learning within a broad range of organizations. The curriculum includes practical application of research on learning, design methods and organizational dynamics.

Students who complete the certificate program are prepared to be effective members and leaders of teams who redesign education in pre K-20 and other settings.

**Degree Requirements:**
15 credit hours including the required capstone course (EDT 580).
The certificate requires five courses, each consisting of three credit hours. The culminating experience is an electronic portfolio that is completed in EDT 580.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or they must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

International students who need an F1 or J1 visa first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants should have at least one year of professional education experience.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Physical Education, MPE (ECPHYEDMPE)

**Online Degree Search Title:** Physical Education, MPE
**Campus:** Polytechnic
ASU is not currently accepting applications for this program. Individuals interested in earning a physical education endorsement, grades preK-12 from the Arizona Department of Education, might consider the Secondary Education (Teacher Certification), MEd (https://degrees.apps.asu.edu/masters-phd/major/ASU00/TESCERTMED/secondary-education-teacher-certification-med).
**Program Description:** The MPE program prepares students to successfully teach and conduct research on quality physical education programs for learners in preschool through grade 12.

This flexible program allows students to design a program of study that enhances their interests and professional specializations. There are three program options:

- The teacher certification route provides the coursework and professional experiences necessary for students to obtain certification to teach physical education in Arizona public schools after graduation. Students in this route take a total of 58 credit hours --- 33 credits for the master's degree and 25 credits for teacher certification coursework. Students complete internships prior to a full-time student teaching residency.
- The physical education endorsement route familiarizes students with the most current trends and issues in school physical education. Students can focus on numerous topics within elementary physical education, secondary physical education and adapted physical education. This option may be of interest to students who already have a teaching certificate in a different subject area and are interested in earning a physical education endorsement. Students in this route take 33 credit hours and complete the coursework required for the Physical Education PreK-12 endorsement through the Arizona Department of Education.
- The pedagogy research route is appropriate for students interested in learning more about research on teaching in physical education and other related physical activity settings. This track may be of interest to students who already have a teaching certificate in physical education and are interested in pursuing doctoral studies in the future. Students in this route take 33 credit hours.

Students in all three options learn about designing, implementing and assessing comprehensive school physical activity programs. This type of programming reflects current global trends in promoting physical activity for children, youth, school staff and families in communities surrounding school campuses.

Graduates from the teaching certification route earn an institutional recommendation from ASU for Arizona teacher certification in Secondary Education, 6--12, along with a physical education endorsement, grades preK--12, from the Arizona Department of Education. In addition, teacher candidates must pass the appropriate Arizona educator subject knowledge exam, as well as the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Degree Requirements:**
33 credit hours including the required applied project course (PPE 593) and a written comprehensive exam.
The Master of Physical Education degree program has three tracks.

Physical Education K-12 Teaching Track: (33 credit hours)
required core (24 credit hours)

electives (6 credit hours)
applied project (3 credit hours)

Physical Education Pedagogy Research Track: (33 credit hours)
required core (24 credit hours)
electives (6 credit hours)
applied project (3 credit hours)

Physical Education Initial Teacher Certification Track: (33 credit hours)*
required core (24 credit hours)
electives (6 credit hours)
applied project (3 credit hours)
*additional courses are required for certification

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- IVP Fingerprint Clearance Card issued by the State of Arizona
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency (https://admission.asu.edu/international/graduate/english-proficiency) regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's qualifications and potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after educators in public, charter and private education institutions. They have acquired skills in teaching, conducting research and collaborating in teams --- all of which prepare them for success in educational careers focused on physical activity, health and wellness.

Career examples include:

- coach
- educator in community organizations
- educator in educational institutions
- fitness instructor
- teacher

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
SANCA 331
GradEducation@asu.edu
480-965-9995

# Secondary Education, MEd (TESECEDMED)

**Online Degree Search Title:** Secondary Education, MEd
**Campus:** Online

**Program Description:** The MEd program in secondary education prepares students to start a career teaching grades 6--12. It is designed for individuals who do not need to obtain teacher certification. The program builds on connections between educational design and decision-making and is designed to foster strong professional growth and leadership development.

All courses are offered remotely, and students select one of two modalities:

• ASU Sync offers regularly scheduled evening classes via synchronous learning over Zoom. Instructors and students are not in the same physical space but do meet at the same time, offering a live learning experience with peers and faculty. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.
• ASU Online offers classes via asynchronous instruction. Instructors and students are not in the same physical space and do not meet at the same time, allowing students to complete coursework on their own schedules. Students completing their program through ASU Online must be admitted to the online campus.

This program can be taken in three continuous semesters allowing students to complete the program in one year. Students can also enroll part-time over additional semesters.

Mary Lou Fulton Teachers College faculty actively engage in the educational research community, bringing new and relevant knowledge into the program. Students engage in their own research through applied project coursework, deepening their knowledge and improving their practice through research, critical evaluation and application of education concepts.

The program culminates in an applied action research project in which students apply what they've learned to address a challenge in education.

The master's degree does not lead to teacher certification. Students interested in certification should enroll in the Master of Education program in secondary education with a concentration in teacher certification or the teacher certification graduate certificate program.

ASU Sync
Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Degree Requirements:**
32 credit hours including the required applied project course (SED 593).
Required Core (8 credit hours)
TEL 510 Instructional Design, Planning and Assessment (2)
TEL 511 Research and Evaluation in Education (2)
TEL 517 Creating Equitable Learning Environment: Decision Making and Action (3)
TEL 572 Educator Scholar Community III (1)

Electives (3 credit hours)

Other Requirement (18 credit hours)
SED 510 General Methods and Assessment (4)
TEL 502 Exploration of Education: Child/Adolescent Development and Foundations of Special Education (3)
TEL 532 Literacy Across the Disciplines (3)
TEL 540 Cultivating Networks of Culturally Responsive Relationships Among Families, Communities and Cultures (2)
TEL 570 Educator Scholar Community I (1)
TEL 571 Educator Scholar Community II (1)
Students also complete one of the following:
SED 511 ELA Methods and Assessment (4)
SED 512 Secondary Mathematics Methods and Assessment (4)
SED 513 Science Teaching Methods for Secondary School (4)
SED 514 Methods of Teaching Secondary Social Studies (4)

Culminating Experience (3 credit hours)
SED 593 Applied Project (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any content area or education-related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- personal statement
- proof of English proficiency
- three professional references

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement should describe the personal and professional goals that motivated the applicant to apply to the graduate degree and explain what led the applicant to this career path and how they will excel as an educator. The admission committee pays particular attention to the quality of writing and ideas expressed in the personal statement. The statement should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

The professional resume should be one to two pages and include relevant personal, professional, educational and community activities. The resume should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

The three professional references should include the names, email addresses and institution or company of individuals who will submit electronic letters of recommendation. They should be individuals who have worked with the applicant in professional or academic capacities, and who can attest to their aptitude in this field and ability to succeed at graduate-level coursework.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/masters-secondary-education/) for program descriptions and to request more information.

**Career Opportunities:** Graduates are prepared to start or advance in educational careers working with children in grades 6--12 in roles that do not require certification. They will have gained skills in instruction, assessment, educational research and collaborating in teams --- all of which prepares them to successfully work in schools and other community-serving organizations. Roles may include noncertified educators in charter or private schools or educators in non-school settings.

This program also may be suitable for certified teachers who do not have an undergraduate or graduate degree in education.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
FAB 200
GradEducation@asu.edu
480-965-9995

## Secondary Education (Teacher Certification), MEd (TESCERTMED)

**Online Degree Search Title:** Secondary Education (Teacher Certification), MEd
**Campus:** Online

**Program Description:** The MEd program in secondary education with a concentration in teacher certification is for those who already have a bachelor's degree in any field and want to become licensed to teach grades 7-12. The program builds on connections between educational design and decision-making and is designed to foster strong professional growth and leadership development.

All courses are offered remotely, and students select one of two modalities:

- ASU Sync offers regularly scheduled evening classes via synchronous learning over Zoom. Instructors and students are not in the same physical space but do meet at the same time, offering a live learning experience with peers and faculty. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via ASU Sync and should speak with an advisor about other options to complete this program.
- ASU Online offers classes via asynchronous instruction. Instructors and students are not in the same physical space and do not meet at the same

time, allowing students to complete coursework on their own schedules. Students completing their program through ASU Online must be admitted to the online campus.

This program can be taken in three continuous semesters allowing students to complete the program in one year. Students can also enroll part-time over additional semesters.

Mary Lou Fulton Teachers College faculty actively engage in the educational research community, bringing new and relevant knowledge into the program. Students engage in their own research through applied project coursework, deepening their knowledge and improving their practice through research, critical evaluation and application of education concepts.

A series of professional experiences assist students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through the clinical framework provides students with the support they need to become effective educators.

This program offers two routes leading to Arizona teacher certification:

- In the traditional certification route, students conduct one internship or teaching residency per semester, for at least three semesters. Students begin by completing an internship in a local school and then progress to a full-time teaching residency.
- The alternative certification route provides an alternative pathway to teacher certification for individuals who are currently employed full-time by a school as a teacher of record. To qualify, individuals must secure a full-time teaching position in an approved content and grade level.

The coursework is the same in both certification routes and culminates in an applied action research project in which students apply what they've learned to address a challenge in their classroom.

Graduates earn an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification in Secondary Education, 6-12.

Physical education content area students earn an institutional recommendation from ASU for Arizona teacher certification in Secondary Education, 6-12, along with the Physical Education, PreK-12 endorsement. This program does not lead to teacher certification in any other elementary content area.

ASU Sync
Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Engineering (Automotive Systems), BSE
Engineering (Electrical Systems), BSE
Engineering (Mechanical Engineering Systems), BSE
Engineering (Robotics), BSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Degree Requirements:**
38 credit hours including the required applied project course (SED 593) - Alternative Certification Pathway, or 38 credit hours including the required applied project course (SED 593) - Traditional Certification Pathway, or 41 credit hours including the required applied project course (SED 593) - Physical Education Track Alternative Certification Pathway, or 41 credit hours including the required applied project course (SED 593) - Physical Education Track Traditional Certification Pathway.
Required Core (8)
TEL 510 Instructional Design, Planning and Assessment (2)
TEL 511 Research and Evaluation in Education (2)
TEL 517 Creating Equitable Learning Environment: Decision Making and Action (3)
TEL 572 Educator Scholar Community III (1)

Concentration (14)
SED 510 General Methods and Assessment (4) or THP 511 Methods of Teaching Drama (4)
TEL 502 Exploration of Education: Child/Adolescent Development and Foundations of Special Education (3)

TEL 532 Literacy Across the Disciplines (3)
TEL 540 Cultivating Networks of Culturally Responsive Relationships Among Families, Communities, and Cultures (2)
TEL 570 Educator Scholar Community I (1)
TEL 571 Educator Scholar Community II (1)

SEI Endorsement (3 credit hours)
ELL 515 Structured English Immersion Methods (3)

Other Requirements (6 or 10 credit hours)

Physical Education Track (0 or 7 credit hours)
PPE 550 Physical Education for the Elementary School (3)
PPE 555 Physical Education in the Secondary School (3)
PPE 598 Conceptual Physical Education (1)

Culminating Experience (3 credit hours)
SED 593 Applied Project (3)

Additional Curriculum Information
Students pursing the physical education track complete seven credit hours of track coursework.

Students in all options complete at least six credit hours of other requirements courses. Students not in the physical education track complete a methods course as an additional other requirements course for four credit hours.

ELL 515 is substitutable with advisor approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/secondary-education-teacher-certification/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought teachers in public, charter and private education institutions. Students gain skills in teaching, conducting research, utilizing technology and collaborating in teams --- all of which prepare them to succeed in educational careers working with learners in grades 6-12.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

To be eligible for secondary certification in Arizona, students must:

pass the appropriate Arizona educator subject knowledge exam, as well as the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments
OR • hold a conferred bachelor's or master's degree with the content area listed in the degree title, and receive a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
GradEducation@asu.edu
480-965-9995

## Special Education, MA (EDSPEDMA)

**Online Degree Search Title:** Special Education, MA
**Campus:** Tempe
This program is not accepting applications at this time. Applicants interested in the MA in Special Education should apply directly to the MA in Special Education (Applied Behavior Analysis), the MA in Special Education (Autism Spectrum Disorders), the MEd in Special Education, or the MEd in Special Education (Teacher Certification).
**Program Description:** The MA program in special education is a noncertification degree program meant to advance the capacity of professionals, communities of practice, and school and other service systems to provide education and related services in inclusive and least-restrictive settings.

Graduates are able to design and deliver education and related services for populations with diverse needs. The skills developed through this degree program include systematic planning for all individuals, support of positive behavior and advocacy for new, research-based approaches to education and related services.

**Degree Requirements:**
36 credit hours and a thesis, or 36 credit hours and an applied project, or 36 credit hours, a written comprehensive exam and an oral comprehensive exam.
Required Core (3 credit hours)
SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)
SPE 593 Applied Project (3) or
SPE 597 Capstone (3)

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in education or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
FAB 200
graduateeducation@asu.edu
480-965-5555

# Special Education, MEd (ECSPEDMED)

**Online Degree Search Title:** Special Education, MEd
**Campus:** Online

**Program Description:** The MEd program in special education prepares students to further their knowledge of special education for learners in grades K-12 with mild-moderate disabilities, or for learners in grades K-12 with moderate or severe disabilities. It is designed for individuals who do not need to obtain teacher certification. The program builds on connections between educational design and decision-making and is designed to foster strong professional growth and leadership development.

All courses are offered remotely, and students select one of two modalities:

- ASU Sync offers regularly scheduled evening classes via synchronous learning over Zoom. Instructors and students are not in the same physical space but do meet at the same time, offering a live learning experience with peers and faculty. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.
- ASU Online offers classes via asynchronous instruction. Instructors and students are not in the same physical space and do not meet at the same time, allowing students to complete coursework on their own schedules. Students completing their program through ASU Online must be admitted to the online campus.

This program can be taken in three continuous semesters allowing students to complete the program in one year. Students can also enroll part-time over additional semesters.

Mary Lou Fulton Teachers College faculty actively engage in the educational research community, bringing new and relevant knowledge into the program. Students engage in their own research through applied project coursework, deepening their knowledge and improving their practice through research, critical evaluation and application of education concepts. The program culminates in an applied action research project in which students apply what they've learned to address a challenge in special education.

The master's degree program does not lead to teacher certification. Students interested in certification should enroll in the Master of Education program in special education with a concentration in teacher certification.

ASU Sync
Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Degree Requirements:**
35 credit hours including the required applied project course (SPE 593) - Mild-Moderate Track, or 40 credit hours including the required applied project course (SPE 593) - Intensive Support Needs - Moderate/Severe.
Required Core (8 credit hours)
TEL 510 Instructional Design, Planning and Assessment (2)
TEL 511 Research and Evaluation in Education (2)
TEL 517 Creating Equitable Learning Environment: Decision Making and Action (3)
TEL 572 Educator Scholar Community III (1)

Track (21 or 29 credit hours)
Mild/Moderate Track (21 credit hours)
Intensive Support Needs - Moderate/Severe Track (29 credit hours)

Elective (0 or 3 credit hours)

Culminating Experience (3 credit hours)
SPE 593 Applied Project (3)

Additional Curriculum Information
Students select a track in either Mild/Moderate or Intensive Support Needs - Moderate/Severe. Students should see the academic unit for track course requirements.

Students in the Mild/Moderate track select three credit hours for electives in consultation with the academic unit. The Intensive Support Needs - Moderate/Severe track does not include elective credit hours.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any content area or education-related field

from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor' degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The following are accepted to meet this requirement:

- TOEFL: Applicants must have a score of at least 90 on the internet based test (iBT), with scores of 22-30 on the speaking and written portions. ASU's institutional code is 4007. Only electronic copies of scores are accepted.
- IELTS: Applicants must have an overall band score of at least 6.5 with speaking and writing portions needing to be at least 6.5 (6 = Competent User, 7 = Good User). No institutional code is needed.

The personal statement should describe the personal and professional goals that motivate the applicant to apply to the graduate program and explain what led the applicant to this career path and how they will excel in the field of special education. The admission committee pays particular attention to the quality of writing and ideas expressed in the personal statement. The statement should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

The professional resume should be one to two pages and include relevant personal, professional, educational and community activities. The resume should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-special-education/) for program descriptions and to request more information.

**Career Opportunities:** Graduates are prepared to start or advance in educational careers working with diverse learners in grades K-12 in roles that do not require certification. Students gain skills in instruction, assessment, educational research and collaborating in teams --- all of which prepare them to successfully work in schools and other community-serving organizations. Roles may include noncertified educators in charter or private schools or educators in non-school settings

This program also may be suitable for certified teachers who do not have an undergraduate or graduate degree in education.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
FAB 200
GradEducation@asu.edu
480-965-9995

## Special Education (Applied Behavior Analysis), MA (TESPEABAMA)

**Online Degree Search Title:** Special Education (Applied Behavior Analysis), MA
**Campus:** Online

**Program Description:** The MA program in special education with a concentration in applied behavior analysis pairs research and experience to prepare professionals to work with individuals with diverse learning and behavior needs using the principles of applied behavior analysis.

All courses are online and combine an assortment of resources and technologies to provide students the opportunity to interact directly with program faculty and classmates. Applied projects and assignments allow students to focus on the population with which they plan to work while gaining the knowledge and skills they need in order to use applied behavior analysis across various populations and settings. Program graduates are well prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members.

Mary Lou Fulton Teachers College offers university coursework verified by the Association for Behavior Analysis International® as meeting the coursework requirements for eligibility sit for the Behavior Analyst Certification Board® Board Certified Behavior Analyst® examination.

Once certified, these professionals are equipped to meet diverse behavior needs and make a lasting difference in the community. The course sequence meets the Behavior Analyst Certification Board-required 315 classroom hours of graduate-level instruction aligned with the BCBA/BCaBA task list (fifth edition). BCBA supervised independent fieldwork supervision hours, required for certification, are arranged and completed by the student separately from their ASU coursework. An optional remote BCBA supervised independent fieldwork practicum (SPE 580 Applied Behavior Analysis Practicum) is available.

**Degree Requirements:**
30 credit hours including the required applied project course (SPE 593), or 30 credit hours including the required capstone course (SPE 597).
Required Core (3 credit hours)
SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

Concentration (18 credit hours)
SPE 526 Concepts and Principles of Applied Behavior Analysis (3)
SPE 527 Behavior Analytic Assessment (3)
SPE 560 Behavior Change Procedures: Implementing Interventions in Behavior Analysis (3)
SPE 562 Personnel Supervision and Organizational Behavior Management in Educational Settings (3)
SPE 563 Philosophical Foundations of Applied Behavior Analysis in Educational Settings (3)
SPE 567 Ethics of Applied Behavior Analysis (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
SPE 593 Applied Project (3) or
SPE 597 Capstone (3)

Additional Curriculum Information
Students may choose to complete a remote supervised independent fieldwork practicum (SPE 580).

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The personal statement should demonstrate the applicant's goals with respect to the program outcomes and success in a graduate and online program. The statement should also demonstrate high-quality writing and awareness that the student understands the demands of graduate school.

Three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program are required for admission.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-special-education-applied-behavior-analysis/) for program descriptions and to request more information.

**Career Opportunities:** Professionals with expertise in evidence-based practices in applied behavior analysis are in high demand across sectors and industries, including education, business and health care.

Career examples include:

- applied behavior analysis therapist

- behavior specialist
- board certified behavior analyst
- behavior consultant
- early interventionist
- educator
- organizational behavior management specialist

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
FAB 200
graduateeducation@asu.edu
602-543-6358

## Special Education (Autism Spectrum Disorder), MA (TESPEASDMA)

**Online Degree Search Title:** Special Education (Autism Spectrum Disorders), MA
**Campus:** Online

**Program Description:** The MA program in special education with a concentration in autism spectrum disorders prepares graduates to provide important services for children and adults with autism spectrum disorder.

Coursework in this program teaches about evidence-based interventions, to support individuals with ASD, as well as collaboration and consultation skills, to draw upon when working with families and other professionals. In addition, students learn how to dispel common misconceptions about ASD and how to determine the credibility of sources.

The practicum component of this curriculum enables students to apply the topics covered in theoretical courses to practical scenarios. Candidates build experience supporting individuals with ASD by delivering 45 direct contact hours of approved activities under the direction of a supervisor and instructor.

The master's program requirements align with the autism special education standards of the Council for Exceptional Children.

**Degree Requirements:**
30 credit hours including the required applied project course (SPE 593), or 30 credit hours including the required capstone course (SPE 597).
Required Core (3 credit hours)
SPE 525 Measurement, Data Display, Interpretation and Experimental Design (3)

Concentration (12 credit hours)
SPE 521 Foundations of Autism Spectrum Disorders (3)
SPE 540 Family-Centered Practices (3)
SPE 541 Consultation Frameworks and Issues (3)
SPE 566 Applied Behavior Analysis in Inclusive Settings (3)

Electives or Research (9 credit hours)

Other Requirement (3 credit hours)
SPE 680 Practicum (3)

Culminating Experience (3 credit hours)
SPE 593 Applied Project (3) or
SPE 597 Capstone (3)

Additional Curriculum Information
Each student completes a practicum customized to individual interests and abilities. For the culminating experience, students may elect to complete a capstone experience or applied project, based on personal and professional interest and need.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in education, psychology or a related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts*
- written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

*A transcript must show the bachelor's degree already conferred; in-progress bachelor's degrees are not accepted.

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Career Opportunities:** There is increasing demand for the specialized skills and knowledge needed to properly support children and adults, including family members, impacted by autism. Program graduates are well prepared to provide important services within a variety of roles, including as educators, interventionists, paraprofessionals, psychologists, speech pathologists, therapists and family members.

Career examples include:

- community support professional
- educator
- interventionist

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu/
FAB S200
graduateeducation@asu.edu
602-543-6358

## Special Education (Teacher Certification), MEd (TESECRTMED)

**Online Degree Search Title:** Special Education (Teacher Certification), MEd
**Campus:** Online

**Program Description:** The MEd program in special education with a concentration in teacher certification is for those who already have a bachelor's degree in any field and want to become licensed to teach special education or who want to pursue dual-certification in special education and elementary education. The program builds on connections between educational design and decision-making and is designed to foster strong professional growth and leadership development.

All courses are offered remotely; students select one of two modalities:

- ASU Sync offers regularly scheduled evening classes via synchronous learning over Zoom. Instructors and students are not in the same physical space but do meet at the same time, offering a live learning experience with peers and faculty. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.
- ASU Online offers classes via asynchronous instruction. Instructors and students are not in the same physical space and do not meet at the same time, allowing students to complete coursework on their own schedules.

This program can be taken in three continuous semesters allowing students to complete the program in one year. Students can also enroll part-time over additional semesters.

Professional experiences assist students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through the clinical framework provides students with the support they need to become effective educators.

Two routes are offered leading to Arizona teacher certification:

Traditional certification route: students can pursue dual-certification in special education for mild/moderate levels, and elementary education or special education for moderate/severe levels. Students complete an internship each semester during the first two semesters. They also complete two 8-week teaching residencies, including one in a special education setting and one in an elementary school setting.

Graduates earn an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification in Mild/Moderate Disabilities, K-12; and Elementary Education, K-8 or Moderate/Severe Disabilities, K-12.Alternative certification route: provides a pathway to teacher certification for individuals who are currently employed full-time by a school as a teacher of record. To qualify, individuals must secure a full-time teaching position in an approved content and grade level. This route leads to single certification in special education for mild/moderate disabilities or for moderate/severe levels; students are not able to pursue dual certification.

Graduates earn an institutional recommendation from ASU that is recognized by ADE for teacher certification in Mild/Moderate Disabilities, K-12, or Moderate/Severe Disabilities, K-12.
Coursework is similar in both certification routes and culminates in an applied action research project in which students apply what they've learned to address a challenge in their classroom.

ASU Sync
Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

**Degree Requirements:**
41 credit hours including the required applied project course (SPE 593) - Mild-Moderate Alternative Certification Pathway, or 41 credit hours including the required applied project course (SPE 593) - Mild-Moderate Traditional Certification Pathway, or 47 credit hours including the required applied project course (SPE 593) - Mild-Moderate Traditional Certification Pathway - Dual Elementary Education, or 49 credit hours including the required applied project course (SPE 593) Intensive Support Needs - Moderate/Severe Alternative Certification Pathway, or 49 credit hours including the required applied project course (SPE 593) Intensive Support Needs - Moderate/Severe Traditional Certification Pathway.
Required Core (8 credit hours)
TEL 510 Instructional Design, Planning and Assessment (2)
TEL 511 Research and Evaluation in Education (2)
TEL 517 Creating Equitable Learning Environment: Decision Making and Action (3)
TEL 572 Educator Scholar Community III (1)

Concentration (6 or 8 credit hours)
Selected from the following according to certification option:
EED 557 Internship I (2)
EED 567 Internship II (2)
EED 582 Residency in Elementary Education for Dual Certification Semester Three Professional Experiences (2)
SPE 556 Internship I (2)
SPE 570 Internship II (2)
SPE 571 Apprentice Teaching I (2)
SPE 574 Apprentice Teaching II (2)
SPE 576 Internship III (2)
SPE 578 Residency/Student Teaching in Special Education (2)
SPE 579 Apprentice Teaching III (2)
SPE 581 Dual Certification Residency (2)
SPE 596 Residency/Student Teaching (2)

SEI Endorsement (3 credit hours)

Track (21-29 credit hours)
Mild-Moderate Track (21 credit hours)
Mild-Moderate Traditional Certification Pathway - Dual Elementary Education (25 credit hours)
Intensive Support Needs - Moderate/Severe Track (29 credit hours)

Culminating Experience (3 credit hours)
SPE 593 Applied Project (3)

Additional Curriculum Information
For the teacher certification concentration requirements, students complete six or eight credit hours from Internship and Student Teaching. For traditional and alternative certification in special education, at least two credit hours must be SPE internship, and at least two credit hours must be SPE student teaching for one certification.

Students seeking dual certification in elementary and special education must complete both an EED and SPE student teaching placement, which extends the teaching certification requirement by two for a total of eight credit hours. Students switching from Alternative Certification may substitute Apprentice Teaching for Student Teaching with permission from the program.

Students wanting to switch certification option mid-program should reach out to the academic unit for appropriate advisement.

ELL 515 is substitutable with advisor approval.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/graduate/special-education-teacher-certification/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-out teachers in public, charter and private education institutions. Students gain skills in teaching, conducting research, utilizing technology and collaborating in teams --- all of which prepares them to successfully work with diverse learners in grades K--12.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator subject knowledge exam, as well as the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
480-965-9995

## Teacher Certification (Certificate), Certificate (TETEACGRCT)

**Online Degree Search Title:** Teacher Certification (Graduate Certificate)
**Campus:** Online

**Program Description:** The graduate certificate in teacher certification is a flexible, alternative certification program designed for students who want to obtain teaching licensure in a compressed time frame while working in a classroom.

Through online courses, video-based teaching observations and supportive coaching, the certificate qualifies as a pathway to Arizona teacher

certification in elementary education or secondary education. Coursework may be completed over the span of two or three semesters, depending on start date.

This program requires students to be employed as a full-time teacher of record aligned with their certification area (elementary or secondary) before enrolling in the program.

Students in this program can choose to transfer credits to a Master of Education in elementary education or a Master of Education in secondary education within three years from when the student started the graduate certificate.

Graduates earn an institutional recommendation for Elementary Education, K-8 or Secondary Education, 6-12 through the Arizona Department of Education.

To be eligible for an elementary or secondary education certification in Arizona, students must:

pass the appropriate Arizona educator subject knowledge exam as well as the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments
OR • hold a conferred bachelor's or master's degree with the content area listed in the degree title and receive a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments

ASU Sync
Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Degree Requirements:**
26 credit hours - Secondary Education Track, Alternative Certification, or 26 credit hours - Secondary Education Track, Traditional Certification, or 28 credit hours - Elementary Education Track, Alternative Certification, or 28 credit hours - Elementary Education Track, Traditional Certification, or 29 credit hours - Secondary Education Track - Physical Education, Alternative Certification, or 29 credit hours - Secondary Education Track - Physical Education, Traditional Certification, or 29 credit hours - Special Education Mild/Moderate Track, Alternative Certification, or 29 credit hours - Special Education Mild/Moderate Track, Traditional Certification.
Required Core (5 credit hours)
TEL 510 Instructional Design, Planning and Assessment (2)
TEL 517 Creating Equitable Learning Environment: Decision Making and Action (3)

Tracks (14,16, or 17 credit hours depending on track to certification)
Elementary Education Track (16)
Secondary Education Track, Traditional or Alternative Certification (14)
Secondary Education Track - Physical Education Traditional or Alternative Certification (17)
Special Education Mild/Moderate Track, Traditional or Alternative Certification (17)

SEI Endorsement (3 credits)
ELL 515 Structured English Immersion Methods (3)

Other Requirements (4 credit hours)
EED 557 Internship I (2)
EED 571 Apprentice Teaching I (2)
EED 574 Apprentice Teaching II (2)
EED 578 Residency/Student Teaching in Elementary Education (2)
SED 557 Internship I (2)
SED 571 Apprentice Teaching I (2)
SED 574 Apprentice Teaching II (2)
SED 578 Residency/Student Teaching in Secondary Education (2)
SPE 556 Internship I (2)
SPE 571 Apprentice Teaching I (2)
SPE 574 Apprentice Teaching II (2)
SPE 578 Residency/Student Teaching in Special Education (2)

Additional Curriculum Information
The courses for other requirements depend on the student's track and route to certification (traditional or alternative). ELL 515 is substitutable with department approval.

If a student is on the alternative path for certification moves over to a traditional path, they can substitute student teaching/residency for apprentice teaching.

**Admission Requirements:** Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:
- graduate admission application and application fee
- official transcripts
- professional resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency. The following are accepted to meet this requirement:

- TOEFL: Applicants must have a score of at least 90 on the internet based test (iBT), with scores of 22-30 on the speaking and written portions. ASU's institutional code is 4007. Only electronic copies of scores are accepted.
- IELTS: Applicants must have an overall band score of at least 6.5 with speaking and writing portions needing to be at least 6.5 (6 = Competent User, 7 = Good User). No institutional code is needed.

The personal statement should describe the personal and professional goals that motivated applicant to apply to the graduate certificate, and explain what led the applicant to this career path and how they will excel as an educator. The admission committee pays particular attention to the quality of writing and ideas expressed in the personal statement. The statement should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

The professional resume should be one to two pages and include relevant personal, professional, educational and community activities. The resume should be prepared in an MS Word (.doc), Rich Text (.rtf), Portable Document Format (.pdf), or Text (.txt) file format.

Fingerprint clearance is required for enrollment in the first term of placement. A copy of the applicant's IVP fingerprint clearance card (front and back) should be included or a copy of the Arizona DPS fingerprint card application if the IVP card has not yet been acquired at the time of program application. Students should visit the DPS site for information on applying for and receiving an IVP fingerprint clearance card. For out-of-state students, confirmation of fingerprint clearance or a background check in the host state is equivalent to IVP fingerprint clearance.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-teacher-certification/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. Students gain skills in teaching, utilizing technology and collaborating in teams, all of which prepares them to succeed in a career educating learners in elementary education (grades K-8) or secondary education (grades 6-12).

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
FAB 200
graduateeducation@asu.edu
877-326-6744

## Technology for Teaching and Learning (certificate), Certificate (EDEDTTGRCT)

**Online Degree Search Title:** Technology for Teaching and Learning (Graduate Certificate)
**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Program Description:** The graduate certificate in technology for teaching and learning is geared toward classroom teachers who want to become

skilled at integrating technology in the curriculum.

Students acquire the knowledge and skills needed for meeting the National Education Technology Standards for Teachers, developed by the International Society for Technology in Education and being adopted by the National Council for Accreditation for Teacher Education.

The certificate program can be completed within a two-year period.

**Degree Requirements:**
15 credit hours including the required capstone course (EDT 591).
Students must successfully complete four out of a possible six educational technology courses before completing a three credit hour required capstone course.

**Admission Requirements:** Applications are currently closed.

**Contact Information:**
Teachers College, Mary Lou Fulton
Dean, Mary Lou Fulton Teachers College
https://education.asu.edu/
ED 118
GraduateEducation@asu.edu
602-543-6358

# Undergraduate Programs

## Minors (Program Descriptions and Requirements)

### African and African American Studies Minor (LAAFRMIN)

**Campus:** Tempe, Online

**Description:** The minor program in African and African American studies examines the culture, arts, history, politics, economics and current status of African Americans, Africans and the African Diaspora, especially in the Caribbean, Central America and South America.

The goal is to prepare students for lifelong learning, advanced study in a variety of fields, and successful careers and productive public service in an increasingly diverse society.

**Program Requirements:**
The certificate requires completion of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and a grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

Required Core Course -- 3 credit hours
AFR 200: Introduction to Africana Studies (SB & G & H) (3)

Elective Core Course (choose one) -- 3 credit hours
AFR 300: Precolonial Africa (SB & G & H) (3)
AFR 301: Race and Racism in Africa/African Diaspora (SB & G) (3)
AFR 302: History of Black Women in America (SB & H) (3)
AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) (3)

Electives -- 12 credit hours
AFR Upper Division Elective (12)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in African and African American studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in African and African American Studies can provide knowledge and skills that enable graduates to bring social justice concerns to a variety of professional careers, including law, education, public service, and human welfare and social work.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

# Aging Minor (ASALDMIN)

**Campus:** West

**Description:** People are living longer. While this represents one of the crowning achievements of the last century, it is also a significant challenge. Longer lives must be planned for.

ASU's minor program in aging offers students the opportunity to create positive differences in the lives of older adults. This program helps students develop the tools and mindset that enable them to anticipate challenges in existing social structures at every level as the proportion of retired adults increases faster than that of persons in the workforce. Students learn to develop solutions for an aging population's needs in areas of personal finance, transportation, increased demands for health care, assisted-living options, and recreation.

**Program Requirements:**
The minor in aging consists of 15 credit hours, including 12 credit hours of upper-division coursework. At least six upper-division credit hours must be completed through coursework in the New College of Interdisciplinary Arts and Sciences. All courses used to fulfill the requirements of this minor must be passed with a "C" (2.00) or better.

Introductory Coursework (choose one) -- 3 credit hours
ASB 102: Introduction to Cultural Anthropology (SB & G) (3)
PSY 101: Introduction to Psychology (SB) (3)
SOC 101: Introductory Sociology (SB) (3)

Aging Core (choose two) -- 6 credit hours
Classes selected for the Aging Core may not also apply to the Aging Electives.
COM 417: Communication and Aging (3)
FAS 436: Sexuality in Mid-Life and Beyond (3)
IAS 450: Philosophical and Spiritual Issues in Death and Dying (3)
PSY 447: Psychology of Aging (SB) (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 418: Aging and the Life Course (SB & H) (3)

Upper-Division Aging Electives (choose two) -- 6 credit hours
Classes not selected for the Aging Core may be chosen and applied towards the Aging Electives.
COM 417: Communication and Aging (3)
FAS 436: Sexuality in Mid-Life and Beyond (3)
HSC 410: Supporting the Health of Older Adults (3)
HSC 412: Health Issues in Later Life (3)
IAS 450: Philosophical and Spiritual Issues in Death and Dying (3)
PSY 447: Psychology of Aging (SB) (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 418: Aging and the Life Course (SB & H) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in aging

Other Enrollment Requirements: None.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** The minor in aging is a pathway to a career researching, developing policies or providing services to older populations. Employment in associated career fields is expected to increase commensurately with the needs of a growing and diverse population. People working with aging populations are employed in public and private agencies dealing with a wide variety of social issues, including:

- access to health care
- assisted-living facilities and management
- education
- disabilities

- discrimination
- elder abuse and family support
- health, mental health and end-of-life decisions
- housing
- recreational opportunities
- transportation

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASALDMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## American Indian Studies Minor (LAAISMIN)

**Campus:** Tempe

**Description:** The minor in American Indian studies is designed for students interested in developing an understanding of American Indian issues and analyzing issues through critical inquiry.

**Program Requirements:**
The minor in American Indian studies requires 18 credit hours. At least 12 hours must be upper-division coursework, and all courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 9 credit hours
AIS 180: Introduction to American Indian Studies (C) (3)
AIS 285: Federal Indian Policy (H & C) (3)
AIS 380: Contemporary Issues of American Indian Nations (C) (3)

Electives (select three) -- 9 credit hours
AIS 320: American Indian Philosophies and World Views (HU & C) (3)
AIS 360: Issues in Urban Indian Country (C) (3)
AIS 381: American Indian Women (C) (3)
AIS 385: Entrepreneurship for American Indian Sustainability (3)
AIS 440: Cultural Professionalism (C) (3)
AIS 455: Human Rights and Cultural Resource Laws (3)
AIS 470: Tribal Governance (3)
AIS 480: Actualizing Decolonization (HU & C & G) (3)
AIS 484: Internship (3)
AIS 499: Individualized Instruction (3)
ENG 359: Indigenous American Literature ((L or HU) & C) (3)
HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)
HST 338: American Indian History since 1900 ((HU or SB) & C & H) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in American Indian studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in American Indian studies can help students as they pursue careers with tribes and organizations in Native American communities.

**Contact Information:**
Liberal Arts and Sciences, The College of
American Indian Studies Program
https://americanindian.asu.edu/degree/minor/minor-american-indian-stds-minor
DISCVRY 356
AIS@asu.edu
480-727-7056

## American Studies Minor (ASAMSMIN)

**Campus:** West

**Description:** The American studies minor program gives students the opportunity to pursue an interest in the interdisciplinary study of American culture. This minor is particularly appropriate for students majoring in humanities or social sciences disciplines.

**Program Requirements:**
The minor in American studies consists of 18 credit hours. A minimum of six credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Credit hours may not be shared between major and minor requirements. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
AMS 201: Introduction to American Studies (L & C) (3)
HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Upper Division Electives -- 12 credit hours
AMS 326: Popular Culture (3)
AMS 330: American Lives (HU & C) (3)
AMS 332: Studies in Race and Ethnicity (3)
AMS 334 / ETH 333 / WST 334: Class in America (SB) (3)
AMS 336 / ENG 334 / ETH 334: The American Southwest in Literature and Film ((L or HU) & C) (3)
AMS 353 / ENG 353 / ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)
AMS 354 / ENG 354 / ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)
AMS 380 / ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)
AMS 412: Studies in American Politics and Law (H) (3)
AMS 428 / ETH 428 / LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)
AMS 449 / ETH 449 / WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)
AMS 450 / ETH 450 / LAS 450: Latina/os, Schooling and Social Inequality (C) (3)
AMS 469 / ETH 469 / WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)
ENG 337: Major American Novels (L or HU) (3)
FOR 454 / HST 454 / REL 454: History of Genocide (G & H) (3)
HST 320: U.S. Urban History since 1850 (SB & H) (3)
HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)
HST 413: Contemporary America ((L or SB) & H) (3)
HST 419 / LAS 419: 20th Century Chicano/a History (C) (3)
REL 321: Religion in America ((L or HU) & C & H) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in social and cultural analysis (American Studies)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** This minor is ideal preparation for students seeking employment in the following careers:

- archivist
- copy writer
- editor

- high school teacher
- historian
- history professor
- journalist
- lawyer
- middle school teacher
- museum curator
- political analyst

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASAMSMIN/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Anthropology Minor (LAASBMIN)

**Campus:** Tempe, Online

**Description:** A minor in anthropology completes the academic experience with a focus on the lessons and people that make human societies so interesting and challenging to understand, both in the past and in modern times.

An evolutionary anthropology focus is perfect for a premedical track in which a broad evolutionary perspective is important for understanding disease processes. A focus in sociocultural anthropology provides understanding of human interaction and how social groups function.

Coursework and anthropological training complement many majors. Students enhance their critical thinking skills, learn how to problem-solve creatively, and better understand themselves and others.

**Program Requirements:**
The anthropology minor requires a minimum of 18 credit hours, at least 12 of which must be upper division. Only courses completed with a grade of "C" (2.00 on a 4.00 scale) can be used to fulfill minor requirements.
The minor in anthropology is also available in an online format to complement the studies of ASU Online students.

Required Introductory Courses (choose two) -- 6 credit hours
ASB 102: Introduction to Cultural Anthropology (SB & G) (3)
ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) (3)
ASM 104: Bones, Stones, and Human Evolution (SB or SG) (4)

Upper-Division Subfield Courses -- 12 credit hours
Students choose 12 upper-division credit hours from the subfields of archaeology, evolutionary anthropology and sociocultural anthropology (including linguistics). The particular required introductory courses selected may limit the courses available for use as subfield courses. At least two of the three subfields must be represented. (12)

Archaeology Subfield
ASB 301 / HST 301: Global History of Health (SB & G & H) (3)
ASB 326: Human Impacts on Ancient Environments (SB & H) (3)
ASB 330: Understanding Archaeology (SB) (3)
ASB 333: Frauds, Myths and Mysteries ((HU or SB) & G) (3)
ASB 335: Ancient Ruins of the Southwest (SB & H & C) (3)
ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H) (3)
ASB 338: Archaeology of North America (SB) (3)
ASB 361: Human Cultural Beginnings (H) (3)
ASB 362: People and Plants (3)
ASB 366 / AFR 366: African Archaeology: Precolonial Urban Culture (SB & H) (3)
ASB 368: Hunter-Gatherers (SB) (3)
ASB 490: Earliest Cities (SB & H) (3)
ASM 338: Bioarchaeology and the Human Skeleton (9)
ASM 338: Field Archaeology & Geophysical Testing (9)
ASM 350: Geoarchaeology (3)
ASM 365: Doing Archaeology (3)
ASM 450: Bioarchaeology (SB & G) (3)
ASM 494: Archaeoinformatic Methods for Fieldwork (3)

Physical Subfield
ASB 301 / HST 301: Global History of Health (SB & G & H) (3)
ASB 368: Hunter-Gatherers (SB) (3)
ASB 394: Modeling Simulation Neglected Tropical Diseases (3)
ASB 408: Advanced Evolutionary Medicine (3)
ASB 448: Maternal and Child Health (3)
ASB 494: Applied Epidemiology (3)
ASB 494: Reproductive Ecology (3)
ASM 301: Peopling of the World (SB) (3)
ASM 313: Great Adaptations (3)
ASM 332: Life and Death in Ancient Egypt (3)
ASM 338: Bioarchaeology and the Human Skeleton (9)
ASM 341: Human Osteology (4)
ASM 342 / BIO 327: Evolution of Human Behavior (3)
ASM 344: Fossil Hominids (4)
ASM 345: Disease and Human Evolution (3)
ASM 394: Evolution and Medicine Visiting Speaker Recitation (1)
ASM 401: Health and Human Biology (3)
ASM 403: Evolutionary Medicine and Global Health (3)
ASM 443: Primatology (3)
ASM 446 / BIO 446: Principles of Human Genetics (L) (3)
ASM 450: Bioarchaeology (SB & G) (3)
ASM 452: Dental Anthropology (SG) (4)
ASM 456: Infectious Disease and Human Evolution (3)
ASM 459: Forensic Anthropology (3)
ASM 460: Human Growth and Development: An Evolutionary Perspective (3)
ASM 463: A Practical Guide to Bayesian Data Analysis (3)
ASM 465: Quantification and Analysis for Anthropologists (CS) (3)
ASM 466: The Evolution of Preindustrial Technology (3)
ASM 494: Evolution and Mental Disorders (3)
ASM 494: Models in Social Evolution (3)
ASM 494: Social Complexity (3)

Sociocultural Subfield
ASB 300: Food and Culture ((L or SB) & C) (3)
ASB 302: Ethnographic Field Study ((L or SB) & G) (3)
ASB 305: Poverty and Global Health ((L or SB) & G) (3)
ASB 310 / AFR 300: Precolonial Africa (SB & G & H) (3)
ASB 311: Principles of Social Anthropology (SB & G & H) (3)
ASB 316: Money and Culture (L or SB) (3)
ASB 319: The North American Indian (3)
ASB 322: Peoples of Latin America ((L or SB) & G) (3)
ASB 325: Peoples of Southeast Asia (G) (3)
ASB 327: Disaster! ((L or SB) & C) (3)
ASB 336 / AFR 336: African Art (HU & G) (3)
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ASB 340 / SOC 328: Migration and Culture (SB & G) (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)
ASB 343 / PUP 343 / SOS 343 / TCL 343: Latinas/os and the Environment (3)
ASB 344 / SOC 334: Technology and Society (L or SB) (3)
ASB 345: Culture and Society Transformation (SB & G) (3)
ASB 346: Marriage and Family Diversity (SB & C) (3)
ASB 348: The Borders of Language (L) (3)
ASB 350: Anthropology and Art (HU) (3)
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)
ASB 355: Traditional Medicine and Healing (HU or SB) (3)
ASB 356 / GCU 356 / POS 354 / SBS 356 / SOC 356: Central American Studies (SB & G) (3)
ASB 357: Society, Drugs and Health (SB & G) (3)
ASB 358 / AFR 358: The Yoruba and the Atlantic World (3)
ASB 370 / SOS 370: Ethics of Eating (L or SB) (3)
ASB 371 / HST 371 / SLC 371 / SPA 371 / TCL 371: Language Hegemony and Culture (3)
ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)
ASB 375 / SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G) (3)
ASB 376: Global Health Policy (3)

ASB 378 / TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) (3)
ASB 380: Language, Culture and Gender (SB) (3)
ASB 383 / REL 383: Religion and Sports (HU) (3)
ASB 389 / SBS 389 / SOC 389: Ethnographic Field Lab (1)
ASB 394: Statistics for Social Scientists (3)
ASB 395: Topics in Comparative Culture (SB & G) (3)
ASB 412: History of Anthropology (L or SB) (3)
ASB 417: Politics and Culture (L) (3)
ASB 421: Education and Society (SB) (3)
ASB 442 / SBS 460: Global Cities (SB & G) (3)
ASB 443 / SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)
ASB 452: Community Partnerships for Global Health (SB) (3)
ASB 455: Practicum for Social Sciences (SB) (3)
ASB 457: Global Mental Health ((L or SB) & G) (3)
ASB 462: Medical Anthropology: Culture and Health (SB & C) (3)
ASB 463 / SOS 463 / TCL 443: Political Ecology of the Border (SB & G) (3)
ASB 464 / TCL 444: The Ethnography of Mexico and the Borderlands (SB & G) (3)
ASB 466 / AFR 466: Peoples and Cultures of Africa (SB & G) (3)
ASB 494: Ethnography of Schooling in the Borderlands (3)
ASB 494: Facing Immigration (3)
ASM 414: Urban, Environmental and Health Challenges (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in anthropology; BS in anthropology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought-after for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology, giving them a competitive edge in the workforce.

An anthropology minor provides graduates with skills beneficial in any career field that requires understanding human behavior and its motivations, including medicine, marketing, business, consulting and human resources.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- teaching

**Contact Information:**

Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

## Applied Biological Sciences Minor (TSABSMIN)

**Campus:** Polytechnic

**Description:** The applied biological sciences minor is a rigorous and practical program that can help students understand the interrelationships between evolution, natural history and the conservation of plants and animals.

Consistent with a polytechnic vision, this minor involves extensive student interaction with faculty through experience-based learning activities, including:

- faculty-guided research and service-learning projects
- field trips
- internships
- laboratories

Mastery of fundamental biological principles is emphasized through quality learning in the classroom and hands-on activities in laboratories and in outdoor settings that include the Sonoran Desert, surrounding ecosystems and the landscape of the greater Phoenix area.

**Program Requirements:**
The applied biological sciences minor consists of 23 credit hours. Students must complete 15 credit hours in courses offered by the College of Integrative Sciences and Arts.

Required Courses -- 11 credit hours
ABS 270: Sustainable Biological Systems (3)
BIO 181: General Biology I (SQ) (4)
BIO 182: General Biology II (SG) (4)

Electives -- 12 credit hours
ABS Elective (3)
ABS Upper Division Elective (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: All applied biological sciences, biological sciences or biology majors at ASU

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in applied biological sciences can help students as they pursue graduate study in professional programs like medicine, health or veterinary studies.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Computing Minor (ASACOMIN)

**Campus:** West

**Description:** The minor program in applied computing combines technical computing skills with an understanding of the impact of computer science in real-world contexts.

Coursework in the applied computing minor provides students a depth of knowledge in databases, networks and systems, and for students from other disciplines it adds a computational component to their major field of study.

Computational and problem-solving skills are in demand in a multitude of career fields, including cybersecurity, web administration, business, government, education, science, medicine and telecommunications.

The program is offered by the School of Mathematical and Natural Sciences.

**Program Requirements:**
The minor in applied computing consists of 15 credit hours. At least nine credit hours must be upper division. Six upper-division credit hours must be taken from classes offered by the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 15 credit hours
ACO 201: Data Structures and Algorithms (CS) (3)
ACO 240: Introduction to Programming Languages (3)
ACO 320: Database Systems (3)
ACO 330: Computer Networks (3)
ACO 350: Systems Programming (CS) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in applied computing; BS in applied computing (cybersecurity); BS in computational forensics

Other Enrollment Requirements: Students must complete ACO 102 Object-oriented Programming, MAT 210 Brief Calculus, and MAT 243 Discrete Mathematical Structures/300 Mathematical Structures with a "C" or better as prerequisites to coursework in the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** The applied computing curriculum provides a solid background for employment as:

- computer network administrators
- computer network technicians
- computer programmers
- computer systems analysts
- database administrators
- information security analysts
- information technology managers
- software developers
- software engineers
- web developers

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASACOMIN/undergrad/true/177
FAB N101
mnsadvising@asu.edu
602-543-3000

## Applied Ethics Minor (ASAPETHMIN)

**Campus:** West, Online

**Description:** Students pursuing the applied ethics minor have the opportunity to develop their critical thinking, reading and writing capacities while exploring philosophy and ethical theory. They also have the opportunity to do so in a manner that explicitly complements their major, by focusing their minor coursework on ethical concepts that are discipline-specific. This program provides students an opportunity to gain a humanistic perspective on a nonhumanities field of study, such as health sciences, business and computer science, thereby adding nuance and depth to their educational experience.

**Program Requirements:**
The minor consists of 18 credit hours, and a minimum of 12 credit hours must be upper division. At least six upper-division hours must be taken in the School of Humanities, Arts and Cultural Studies. Program requirements include three credit hours of required courses and fifteen credit hours of electives. Students may complete their fifteen credit hours of electives from within one of the recommended tracks or from multiple areas. All courses must be completed with a minimum grade of "C" (2.00 on a 4.00 scale) or better.

Required -- 3 credit hours
IAS 406 / PHI 406 / FOR 406: Moral Dilemmas (L or HU) (3)

Applied Ethics Electives -- 15 credit hours
Complete five courses (15 credit hours) from within one track area or from multiple areas to meet the requirement. (15)

Bioethics Track
DST 322: Social and Cultural Implications of the Many Forms of Disability (3)
DST 458: Disability and Communication Advocacy (3)
IAS 340 / PHI 320 / BIO 312: Bioethics (HU) (3)
IAS 450 / PHI 450: Philosophical and Spiritual Issues in Death and Dying (3)
LSC 362: The Human Environment (3)
LSC 363: Genes, Race, Gender, and Society (L) (3)
PHI 306: Applied Ethics (HU) (3)
PSY 447: Psychology of Aging (SB) (3)
SOC 400: Perspectives on Aging (SB) (3)

Environmental Ethics Track
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)
LSC 362: The Human Environment (3)
LSC 394: Environmental Disasters (3)
PHI 306: Applied Ethics (HU) (3)
PHI 310 / BIO 324: Environmental Ethics (HU) (3)

Business Ethics Track
ACO 402 / CIS 402: Privacy, Ethics and Compliance Issues (3)
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)
LES 305: Business Law and Ethics for Managers (3)
PHI 306: Applied Ethics (HU) (3)
PHI 360: Business and Professional Ethics (HU) (3)
POS 300: Contemporary Global Controversies (SB & G) (3)

Social Sciences and Ethics Track
DST 322: Social and Cultural Implications of the Many Forms of Disability (3)
DST 458: Disability and Communication Advocacy (3)
ENG 401: Topics in Critical Theory (3)
IAP 222: Games and Ethics (HU) (3)
IAS 417 / PHI 417: Philosophy of Censorship (L or HU) (3)
IAS 450 / PHI 450: Philosophical and Spiritual Issues in Death and Dying (3)
PAX 230: Introduction to Peace Studies (G) (3)
PHI 304: Existentialism (HU) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 307: Philosophy of Law (HU) (3)
PHI 439: Philosophy of Love and Sex (HU) (3)
PSY 447: Psychology of Aging (SB) (3)
SOC 400: Perspectives on Aging (SB) (3)

Religion and Ethics Track

CRJ 423 / FOR 413 / REL 413: Sacred Crimes: Religion and Violence (G & H) (3)
IAS 430: Science and Religion (L or HU) (3)
IAS 450 / PHI 450: Philosophical and Spiritual Issues in Death and Dying (3)
PHI 303 / REL 300: The Future of Religions (L or HU) (3)
PHI 304: Existentialism (HU) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 421: The Ethics of Belief (3)
REL 321: Religion in America ((L or HU) & C & H) (3)
REL 381: Religion and Moral Issues (L or HU) (3)
REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in philosophy, religion and society

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor in applied ethics can help students toward their career goals in the health sciences, law, business, technology, ministry, journalism, counseling, politics or education.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASAPETHMIN/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Applied Mathematics Minor (ASAPMMIN)

**Campus:** West

**Description:** Mathematical modeling is a fundamental tool of modern science and engineering in which a firm grasp of the underlying processes in a system is synthesized into quantitative predictions. A minor in applied mathematics provides students the mathematical language required to analyze existing models and to produce new models for new questions.

The foundational tools in this applied mathematics minor are calculus, differential equations and linear algebra. When combined, these concepts provide a powerful new lexicon that unlocks the majority of models throughout science and engineering.

Upper-level electives grant students in the applied mathematics minor the opportunity to focus in specialty areas such as the study of chaos, mathematical biology, partial differential equations or optimization. Expertise in these areas is becoming increasingly important for students who expect to participate in careers requiring analysis or modeling of real-world situations.

**Program Requirements:**
The minor in applied mathematics consists of 20 credit hours, of which nine must be upper division. A minimum of six credit hours must be taken through courses offered by the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required -- 14 credit hours
MAT 271: Calculus with Analytic Geometry II (MA) (4)
MAT 272: Calculus with Analytic Geometry III (MA) (4)
MAT 275: Modern Differential Equations (MA) (3)
MAT 343: Applied Linear Algebra (3)

Electives -- 6 credit hours
MAT 300: Mathematical Structures (L) (3)
MAT 350: Techniques and Applications of Applied Mathematics (3)
MAT 371: Advanced Calculus I (3)
MAT 421: Applied Computational Methods (CS) (3)
MAT 451: Mathematical Modeling (CS) (3)
MAT 494: Special Topics (1-4)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in applied mathematics; BA or BS in mathematics; BS in applied mathematics for the life and social sciences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Career opportunities for a student with a minor in applied mathematics include:

- bioinformatics scientist
- business intelligence analyst
- clinical data manager
- mathematician, statistician or biostatistician
- molecular and cellular biologist
- natural science manager
- secondary school teacher
- water resource specialist

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASAPMMIN/undergrad/true/177
FAB N101
mnsadvising@asu.edu
602-543-3000

## Applied Mathematics Minor (LSAPMMIN)

**Campus:** Polytechnic

**Description:** The minor program in applied mathematics in the College of Integrative Sciences and Arts enables students to understand and apply mathematics most commonly used in the fields of business, economics, engineering, physics, computer sciences, life sciences, social sciences and sustainability. The minor is recommended for students who plan to major in these diverse fields, are preparing for further graduate study, or who wish for increased employment options.

The coursework explores the study of advanced applied mathematical topics with an emphasis on applied sciences. Students with a minor in applied mathematics learn to use theories and techniques, such as mathematical modeling, computational methods and statistics to resolve practical, real-world problems.

**Program Requirements:**
The applied mathematics minor consists of 21 credit hours, of which 12 must be upper division. At least 12 credit hours of MAT courses must be offered by the College of Integrative Sciences and Arts, of which at least six credit hours must be upper division.
A minimum of 15 credit hours of the minor must be earned at ASU.

Required Courses -- 12 credit hours
MAT 266: Calculus for Engineers II (MA) or MAT 271: Calculus with Analytic Geometry II (MA) (3-4)
MAT 267: Calculus for Engineers III (MA) or MAT 272: Calculus with Analytic Geometry III (MA) (3-4)
MAT 275: Modern Differential Equations (MA) (3)
MAT 343: Applied Linear Algebra (3)

Electives (choose three courses) -- 9 credit hours
ABS 350: Applied Statistics (CS) or STP 420: Introductory Applied Statistics (CS) (3)
MAT 300: Mathematical Structures (L) (3)
MAT 310: Introduction to Geometry (3)
MAT 350: Techniques and Applications of Applied Mathematics (3)
MAT 495: Undergraduate Research or MAT 499: Individualized Instruction (3-4)
PHY 302: Mathematical Methods in Physics II (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in applied mathematics

Other Enrollment Requirements: MAT 265 or 270 with a "C" or better.

The minor in applied mathematics is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and to be recognized in their particular major.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in applied math can help students use mathematical modeling and computational methods as they pursue careers in biology, natural science management or pathology.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Arabic Studies Minor (LAARBMIN)

**Campus:** Tempe

**Description:** The minor program in Arabic studies provides students with instruction in Modern Standard Arabic as well as Arab culture and literature. Students completing the prescribed coursework are expected to be able to communicate effectively in Arabic and interact with native speakers of the language as well as reading authentic material in Arabic and writing paragraphs in Modern Standard Arabic.

Literature courses expand students' knowledge in Arabic, the Middle East and Islamic culture and civilization. Students of all academic disciplines doing research or seeking employment in areas related to the Middle East or other parts of the Arab world will find the minor in Arabic highly beneficial.

Students are encouraged to participate in a study abroad program (https://goglobal.asu.edu/) to enhance their education and overall minor experience.

**Program Requirements:**
The minor in Arabic studies requires 28 credit hours of courses detailed below. A minimum grade of "C" (2.00 on a 4.00 scale) or better is required in each course. Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 25 credit hours
ARB 201: Intermediate Arabic I (G) (5)
ARB 202: Intermediate Arabic II (G) (5)
ARB 311: Advanced Arabic Skills I or ARB 315: Advanced Arabic for Heritage Speakers (3)
ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)
ARB 341: Quran Text and Women (HU & H) or ARB 351: Classical Arabic Literature (HU & G) (3)

ARB 352: Modern Arabic Literature in Translation (HU & G) or ARB 422: Advanced Arabic Media (G) (3)
ARB 411: Advanced Arabic Skills II (G) (3)

Related Area (choose one) -- 3 credit hours
AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G) (3)
AFR 373: Islam and World Affairs (G) (3)
AFR 480: Different Voices Within Contemporary Islamic Discourse (3)
ARB 321: Arabic Conversation I (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 336: Introduction to the Qur'an (G) (3)
ARB 337: Hadith and Prophetic Tradition (HU & H & G) (3)
ARB 340: Arabic Translation (3)
ARB 341: Quran Text and Women (HU & H) (3)
ARB 351: Classical Arabic Literature (HU & G) (3)
ARB 352: Modern Arabic Literature in Translation (HU & G) (3)
ARB 360: Islamic Philosophical Literature (3)
ARB 394: Colloquial Arabic: Levantine (3)
ARB 421: Arabic Conversation II (3)
ARB 422: Advanced Arabic Media (G) (3)
ARB 427: Arabic Prose: Reading the Arabian Nights (3)
ARB 428: Arab Women's Writing (HU & G) (3)
HST 372: Modern Middle East (SB & G & H) (3)
REL 365: Islamic Civilization (HU & H) (3)
REL 366: Islam in the Modern World (HU & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in international letters and cultures (Arabic studies)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in Arabic studies helps students with communication and cultural competency skills as they pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-arabic-studies-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Architectural Studies Minor (ARSTDMIN)

**Campus:** Tempe

**Description:** The minor program in architectural studies at The Design School provides an overview of architecture throughout history while focusing on architectural design, and it provides students opportunities to explore and apply architectural thinking.

**Program Requirements:**
A minimum of 18 credit hours (including nine credit hours of upper-division coursework) are required for the minor. A minimum grade of "C" (2.00) is required in all classes for the minor.
A minimum GPA of 2.50 in minor courses is required to earn the minor in architectural studies.

Architecture Project (choose one) -- 3 credit hours
ARC 101: Architecture Project I (3)
ARC 102: Architecture Project II (3)

Architecture of Architecture (choose one) -- 3 credit hours
ARC 111: Architecture of Architecture I (3)
ARC 112: Architecture of Architecture II (3)

Upper Division Architecture Electives -- 9 credit hours
APH 494: Frank Lloyd Wright (3)
APH 494: Peter Zumthor (3)
APH 494: The Image of Rome (3)
ARC 301: Architecture Project V (3)
ARC 302: Architecture Project VI (3)
ARC 330: World and Western Architecture for Nonmajors (HU & H & G) or ARC 331: World and Western Architecture I ((L or HU) & G & H) (3)
ARC 332: World and Western Architecture II ((L or HU) & G & H) (3)
ARC 394: Architecture Bootcamp (3)
ARC 394: Special Topics (3)
ARC 431: Contemporary Architecture and Urbanism 1970 to the Present (HU & H) (3)
ARC 434: Great Cities ((L or HU) & H) (3)
ARC 436: Charles and Ray Eames (HU) (3)
ARC 494: Special Topics (3)
ARC Upper Division Elective (3-9)

Architecture Elective -- 3 credit hours
APH 494: Frank Lloyd Wright (3)
APH 494: Peter Zumthor (3)
APH 494: The Image of Rome (3)
ARC 101: Architecture Project I or ARC 102: Architecture Project II (3)
ARC 111: Architecture of Architecture I or ARC 112: Architecture of Architecture II (3)
ARC 201: Architecture Project III (3)
ARC 202: Architecture Project IV (3)
ARC 301: Architecture Project V (3)
ARC 302: Architecture Project VI (3)
ARC 330: World and Western Architecture for Nonmajors (HU & H & G) or ARC 331: World and Western Architecture I ((L or HU) & G & H) (3)
ARC 332: World and Western Architecture II ((L or HU) & G & H) (3)
ARC 394: Architecture Bootcamp (3)
ARC 394: Special Topics (3)
ARC 431: Contemporary Architecture and Urbanism 1970 to the Present (HU & H) (3)
ARC 434: Great Cities ((L or HU) & H) (3)
ARC 436: Charles and Ray Eames (HU) (3)
ARC 494: Special Topics (3)
ARC Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.50

Incompatible Majors: BSD in architectural studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School

https://design.asu.edu
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Art History Minor (FAARTHMIN)

**Campus:** Tempe, Online

**Description:** The art history minor is designed for students who are interested in a broad introduction to the study of the history of art. In giving students substantial chronological exposure to the history of art from diverse cultures, the minor program strengthens their academic preparation. Students are able to select courses based on their individual interests.

A minor in art history, especially in conjunction with a major in another field, enhances opportunities for future graduate study.

**Program Requirements:**
The School of Art offers a minor in art history consisting of 18 credit hours of coursework, including 12 credit hours of upper-division electives. A minimum grade of "C" (2.00) is required in all courses for the minor. For those pursuing a minor, a minimum overall GPA of "C" (2.00) is required. Courses may not be double counted in a major and the minor, and a minimum of 12 credit hours of resident credit at ASU are required.
ARS 100 and ARS 300 may not be used toward an art history minor if the student has credit in ARS 101 and ARS 102. If a student has completed ARS 100 or ARS 300, then they must complete ARS 201 and ARS 202 instead of ARS 101 and 102.

Core Courses -- 6 credit hours
ARS 101: Art from Prehistory Through Middle Ages (HU & H) (3)
ARS 102: Art from Renaissance to Modernism (HU & H) (3)

Art History Upper Division Courses -- 12 credit hours
ARS Upper Division Elective (12)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in art (art history)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in art history can help students as they pursue careers in design fields, anthropology, archaeology, cultural criticism and the curatorial practices of museums.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-history?dept=160344&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Asian Languages (Chinese) Minor (LACHIMIN)

**Campus:** Tempe

**Description:** Students pursuing the minor in Asian languages with a focus in Chinese gain an understanding of the language, literature and cultures of China. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience.

Highly motivated students interested in learning Chinese to professional-level proficiency while simultaneously pursuing the Asian languages minor with a focus in Chinese and undergraduate major of their choice are encouraged to apply to the Chinese Language Flagship Program (https://silc.asu.edu/chineseflagship).

**Program Requirements:**
The minor in Asian languages (Chinese) consists of 18 credit hours, of which 12 credit hours must be upper division. All courses used toward the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.
Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 10 credit hours
CHI 301: Third-Year Chinese I (G) (5)
CHI 302: Third-Year Chinese II (G) (5)

CHI Electives -- 8 credit hours
CHI 201: Second-Year Chinese I (G) AND CHI 202: Second-Year Chinese II (G) or CHI 210: Intensive Chinese II (6)
Notes: CHI 201 and CHI 202 grant 5 credit hours each. The extra 4 credits earned will be applied to the minimum 120 credit hours needed for graduation. Students may opt to take CHI 210 Intensive Chinese II, an 8 credit hour course equivalent to CHI 201 and CHI 202. The extra 2 credits earned will be applied to the minimum 120 credit hours for graduation.
CHI 307: Introduction to Literary Chinese I (HU) (3)
CHI 308: Introduction to Literary Chinese II (HU) (3)
CHI 321: Chinese Literature (HU) (3)
CHI 322: Chinese Literature (HU & G) (3)
CHI 333: China (SB & H) (3)
CHI 336: Interpreting China's Classics ((L or HU) & H) (3)
CHI 338: Daode Jing: Way to the West (L or HU) (3)
CHI 345: Chinese Film and Civilization (3)
CHI 348: Pathways into Chinese Culture (3)
CHI 380: The Chinese Language (3)
CHI 401: Fourth-Year Chinese I (G) (3)
CHI 402: Fourth-Year Chinese II (G) (3)
CHI 407: Chinese for Academic and Professional Purposes I (G) (3)
CHI 408: Chinese for Academic and Professional Purposes II (G) (3)
CHI 451: Chinese Cultural History I ((HU or SB) & H) (3)
CHI 452: Chinese Cultural History II (SB & G & H) (3)
CHI 470: Modern Chinese Literature and Culture (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in Asian languages (Chinese); BA in Asian languages (Chinese) --- Chinese flagship; BA in business (Chinese language and culture)

Other Enrollment Requirements: None

Students who wish to add a minor in Asian Languages with a focus in Chinese to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in Chinese studies helps students with communication and cultural competency skills as they pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**

Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-asian-langs-chinese-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Asian Languages (Japanese) Minor (LAJPNMIN)

**Campus:** Tempe

**Description:** Students pursuing the minor in Asian languages with a focus on Japanese gain an understanding of the language, literature and cultures of Japan.

There are opportunities to partake in study abroad programs (https://goglobal.asu.edu), which can serve to enhance a student's minor experience and education.

**Program Requirements:**
The minor in Asian languages (Japanese) consists of 18 credit hours, of which 12 credit hours must be upper division. All courses used toward the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.
Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 9 credit hours
JPN 301: Third-Year Japanese I (G) (3)
JPN 302: Third-Year Japanese II (G) (3)
JPN 333: Japanese Civilization from the Ice Age to Last Thursday (3)

Elective Courses -- 9 credit hours
JPN 2** Elective (6)
Notes: JPN 201 (5 credit hours) and JPN 202 (5 credit hours) or JPN 210 (8 credit hours) are prerequisites to JPN 300-level language courses. A maximum of six credit hours of the JPN 200-level electives or prerequisite courses may be applied to the Japanese minor. Any remaining credit hours from the JPN 200-level courses will be applied to the 120 credit hours minimum for graduation.
JPN 309: Japanese Oral Communication I (3)
JPN 310: Japanese Oral Communication II (3)
JPN 311: Japanese Composition I (G) (3)
JPN 394: Special Topics (3)
JPN 401: Reading Modern Japanese Texts ((L or HU) & G) (3)
JPN 414: Introduction to Classical Japanese (3)
JPN 415: Advanced Classical Japanese (3)
JPN 445: Readings in Modern Japanese Letters and Culture (3)
JPN 485: Japanese Literature and the Art of Translation (3)
JPN 492: Honors Directed Study or JPN 493: Honors Thesis (L) (3)
JPN 494: Special Topics (3)
JPN 499: Individualized Instruction (3)
SLC 421: Japanese Literature in Translation (3)
Notes: A maximum of 3 credit hours of SLC 421 may be applied to the Japanese minor.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in Asian languages (Japanese)

Other Enrollment Requirements: None

Students who wish to add a minor in Asian languages with a focus on Japanese to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills

they acquire in their majors.

A minor in Japanese studies helps students with communication and cultural competency skills as they pursue careers fields such as:

- diplomacy
- education
- entertainment
- foreign service
- international business
- marketing
- military
- political analysis
- sociology
- science and technology
- teaching
- tourism and hospitality

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-asian-langs-japanese-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Asian Pacific American Studies Minor (LAAPAMIN)

**Campus:** Tempe

**Description:** The Asian Pacific American studies minor program prepares students to address issues of justice, equity and access at the intersections of citizenship, race and ethnicity, gender and sexuality, class and culture and to identify actions and solutions based in community experiences and community-based research across multiple disciplines. Students have the opportunity to work with a dedicated faculty committed to community-engaged research and student-centered learning.

The program educates students in social justice, the global causes and impacts of Asian and Pacific Islander migration, relational and comparative racial formations, and ethnic studies movements that have made and continue to make a difference in society for all people. The interdisciplinary faculty comprises expertise in critical ethnic studies, diaspora and globalization, U.S imperialism and settler colonialism, social networks, immigration, interracial and interethnic relations, and the health and well-being of Asian Pacific American families and communities. The faculty listing is on the Asian Pacific American studies (https://sst.asu.edu/apas-faculty) website.

The Asian Pacific American studies program is housed in ASU's interdisciplinary School of Social Transformation, the only school of its kind in the United States.

**Program Requirements:**
The minor requires completion of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and a grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

Required Core Courses -- 6 credit hours
APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C) (3)
APA 360: Asian Pacific American Experience (3)

Electives (choose four) -- 12 credit hours
APA 210: Introduction to Ethnic Studies in the U.S. (C) (3)
APA 310: Asian Pacific American Arts and Cultures (HU & C) (3)
APA 315: Asian Pacific American Literature (HU & C) (3)
APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)
APA 340: Asian Pacific Americans and Media (HU & C) (3)
APA 345: Asian Pacific Americans and Film (HU & C & H) (3)
APA 360: Asian Pacific American Experience (3)
APA 450: Asian Pacific American Contemporary Issues (SB & C) (3)
APA 484: Internship (3)
APA 499: Individualized Instruction (3)
APA 360 Asian Pacific American Experience is required for the core. The course may be repeated for APA elective credit if taken with different topic titles.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in Asian Pacific American studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Those with a minor in Asian Pacific American studies are able to bring specialized knowledge and skills pertaining to social justice concerns to a variety of professional careers, including law, education, public service, and human welfare and social work.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Astronomy Minor (LAASTMIN)

**Campus:** Tempe, Online

**Description:** The astronomy minor is designed for students interested in developing a basic understanding of astronomy and astrophysics and analyzing issues through a scientific viewpoint.

**Program Requirements:**
The minor in astronomy consists of a minimum of 23 credit hours, of which at least 12 credit hours must be upper division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 14 credit hours
AST 111: Introduction to Solar Systems Astronomy (SQ) (4)
AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) (4)
AST 321: Introduction to Planetary and Stellar Astrophysics (3)
AST 322: Introduction to Galactic and Extragalactic Astrophysics (3)

Electives -- 9 credit hours
AST OR  MAT OR  PHY OR  SES Upper Division Elective  (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in earth and space exploration (astrophysics); BS in astronomical and planetary sciences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

The astronomy minor supplements other degrees with problem-solving techniques and skills used in modern astronomy research applicable to a wide variety of engineering and science careers.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Astrophysics Minor (LAASTPHMIN)

**Campus:** Tempe

**Description:** The astrophysics minor is designed for students interested in developing a background in the theoretical modeling and observational techniques of galactic and stellar astronomy, extragalactic astronomy and cosmology.

Students completing the minor are able to think critically about scientific problems by reducing complex problems to their most important attributes and are able to design experiments, observations and theoretical models that address those attributes.

Students pursuing an astrophysics minor are expected to have a strong background in physics and mathematics.

**Program Requirements:**
The minor in astrophysics consists of a minimum of 20 credit hours. At least 12 credit hours must be upper division. Students complete 12 credit hours of required coursework and select one of three eight-credit hour options to complete the minor. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 12 credit hours
AST 321: Introduction to Planetary and Stellar Astrophysics (3)
AST 322: Introduction to Galactic and Extragalactic Astrophysics (3)
AST 421: Astrophysics I (3)
AST 422: Astrophysics II (3)

Electives Options -- 8 credit hours
Choose one of the following options for the additional eight credit hours. (8)

Option 1
SES 121: Earth, Solar System and Universe (SQ) (3)
SES 123: Earth, Solar System and Universe Laboratory (SQ) (1)
SES 126: Exploration of the Universe (3)
SES 128: Exploration of the Universe Lab (1)

Option 2
AST 111: Introduction to Solar Systems Astronomy (SQ) (4)
AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) (4)

Option 3
AST OR  MAT OR  PHY OR  SES Upper Division Elective  (8)

In order to satisfy SQ natural science requirements, both a lecture and its corresponding laboratory section must be completed.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in earth and space exploration (astrophysics); other BS in earth and space exploration concentrations are only compatible with the astrophysics minor as long as option 2 or 3 of the minor are pursued

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

The astrophysics minor supplements other technical degrees with advanced problem-solving techniques and skills used in modern astrophysics research which are applicable to a wide variety of engineering and science careers.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Behavior Analysis Minor (TEBEHANMIN)

**Campus:** Online

**Description:** The minor in behavior analysis pairs research and experience to prepare professionals to address behavior across a range of settings including schools, industry, clinics and community using the principles of applied behavior analysis. All courses are online, combining a number of resources and technologies to provide students the opportunity to interact with program faculty and classmates.

Mary Lou Fulton Teachers College coursework for this minor is verified by the Association for Behavior Analysis International as aligned with the Behavior Analyst Certification Board knowledge and skills that serve as the foundation for the Board Certified Assistant Behavior Analyst® examination. Once certified, these professionals are equipped to meet varied behavior needs and make a lasting difference in the community. Board-certified assistant behavior analysts are also qualified to supervise the work of registered behavior technicians and others who implement behavior-analytic interventions.

This coursework also meets the academic content requirements for students to obtain the BACB® Registered Behavior Technician® credential, a paraprofessional certification in behavior analysis.

**Program Requirements:**
Required Courses -- 15 credit hours
SPE 365: Concepts, Principles and Foundations of Behavior Analysis (SB) (3)
SPE 366: Measurement and Experimental Analysis of Behavior (3)
SPE 448: Assessing and Improving Challenging Behavior in Schools and Clinics (3)
SPE 449: Assessment and Program Planning for Diverse Learning Needs (3)
SPE 450: Professional and Ethical Practice in Behavior Analysis Service and Supervision (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor can help students enhance the marketable skills they acquire in their major program and earn additional certifications and industry credentials.

Program graduates are well-prepared to work across various populations and settings, including home, school and community environments, where they provide applied behavior analysis and evidence-based consultative services and support for children, youth and adults.

Professionals with expertise in evidence-based practices in behavior analysis are in high demand. Career examples include:

- Board certified Assistant Behavior Analyst®
- early interventionist
- Registered Behavior Technician®
- special education teacher

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

## Biochemistry Minor (LABCHMIN)

**Campus:** Tempe, Online

**Description:** The biochemistry minor program is designed to give students majoring in other disciplines a solid grounding in the basics of biochemistry to complement their major degree program. It is especially appropriate for students whose majors are in the various disciplines of life sciences, physics, engineering and geology and for students planning careers in the fields of medicine and health.

**Program Requirements:**
The minor in biochemistry comprises 28 credit hours of required courses, of which at least 12 credit hours must be at the upper-division level. Six of the 12 upper-division credit hours must be from courses offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 28 credit hours
CHM 113: General Chemistry I (SQ) or CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) (4)
CHM 116: General Chemistry II (SQ) or CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) (4)
CHM 233: General Organic Chemistry I (3)
CHM 234: General Organic Chemistry II (3)
CHM 237: General Organic Chemistry Laboratory I (1)
Notes:  ASU Online students will complete CHM 237 and 238 in person in a compressed summer format.
CHM 238: General Organic Chemistry Laboratory II (1)
BCH 341: Physical Chemistry with a Biological Focus (3)
BCH 461: General Biochemistry (3)
BCH 462: General Biochemistry (3)
BCH 467: Analytical Biochemistry Laboratory (L) (3)
Notes:  ASU Online students will complete BCH 467 in person in a compressed summer format.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in applied biological sciences (all concentrations); BS in biochemistry (medicinal chemistry); BS in chemistry (environmental chemistry); BS in forensic science; BS in health sciences (preprofessional); BS in biochemistry; BA in biochemistry; BS in chemistry; BA in chemistry; BS in biological sciences (genetics, cell and developmental biology); BS in biological sciences (neurobiology, physiology and behavior); BS in medical studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear

on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors

A minor in biochemistry can help students as they pursue careers in medicine and health, chemical and biotechnology industries, research, government laboratories, environmental and food science, teaching and many other technical areas.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/
PSD 104
SMSadvising@asu.edu
480-965-7667

## Biological Sciences Minor (LABIOMIN)

**Campus:** Tempe, Online

**Description:** Biological science encompasses the study of all living things and includes the study of basic organization and function, how organisms evolve, their roles in the natural environment, how hereditary information is transferred, and the development of biotechnology.

The minor in biological sciences is a program designed to provide students with a flexible curriculum that can be tailored to their interests.

**Program Requirements:**
The minor in biological sciences requires a minimum of 24 credit hours, of which at least 12 credit hours must be upper division. At least six of the upper-division credit hours must be from courses offered by The College of Liberal Arts and Sciences.
The remaining elective credit hours may be chosen from those courses in the life sciences that can be used toward the majors offered by the school. Three credits of undergraduate research or internship (BIO 390 OR BIO 484 or MBB 484 or MIC 484 OR BIO 495 or MBB 495 or MIC 495) may be allowed in the minor.

Core Minor Requirement (15-16 credits) -- 15 credit hours
BIO 181: General Biology I (SQ) (4)
BIO 182: General Biology II (SG) (4)
BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins (4)
BIO 345: Evolution or MIC 206: Microbiology Laboratory (SG) AND MIC 220: Biology of Microorganisms (3-4)

Electives (8-9 credits) -- 9 credit hours
BIO OR MBB OR MIC Upper Division Elective (8-9)
Students will complete 8-9 credit hours in electives selected from the BIO, MBB or MIC prefixes, all of which must be upper-division courses. Lower-division biology courses, including but not limited to, BIO 100, BIO 201, BIO 202 and MIC 205, may not be used in the biological sciences minor.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in biological sciences (all concentrations); BS in microbiology (all concentrations); BS in molecular biosciences and biotechnology; BS in medical studies; BS in neuroscience; BS in nutrition; BS in public health

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in biological sciences can help students as they pursue a variety of careers, such as biologists, biological technicians, medical and clinical laboratory technologists, zoologists, geneticists, and educators.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degrees/minorscertificates
LSA 189
sols.advising@asu.edu
480-727-6277

## Biology Minor (ASLSCMIN)

**Campus:** West

**Description:** A minor in biology can be a valuable asset, particularly when paired with an appropriate major. For instance, a minor in biology paired with a major in political science provides a good background for someone who intends to practice environmental law.

**Program Requirements:**
The minor in biology consists of 19 credit hours, of which 11 must be upper division. A minimum of eight upper-division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. Coursework taken to fulfill the requirements of the minor may not be used to fulfill requirements of a student's major. Students should consult with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 8 credit hours
BIO 182: General Biology II (SG) (4)
CHM 116: General Chemistry II (SQ) (4)

Ecology, Cell Biology, or Genetics Requirement (select one combination) -- 4 credit hours
BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory (4)
BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory (4)
LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory (4)

Upper-Division Electives -- 7 credit hours
BCH 371: Modern Concepts in Biochemistry (3)
BCH 372: Modern Concepts in Biochemistry Laboratory (1)
BIO 306: Modes of Biological Thought (L) (3)
BIO 320: Fundamentals of Ecology (3)
BIO 340: General Genetics (4)
BIO 345: Evolution (3)
BIO 353: Cell Biology (3)
BIO 354: Cell Biology Laboratory (1)
BIO 360: Animal Physiology (3)
BIO 370: Vertebrate Zoology (4)
BIO 385: Comparative Invertebrate Zoology (4)
BIO 410: Techniques in Conservation Biology and Ecology (L) (3)
BIO 422: Ecosystem Ecology (3)
BIO 423: Population and Community Ecology (3)
BIO 426: Limnology (L) (3)
BIO 431: Genes, Development, and Evolution (L) (3)
BIO 443: Applied Molecular Genetics and Genomics (3)
BIO 471: Ornithology (3)
BIO 474: Herpetology (4)
ENV 300 / PLB 300: Plant Diversity and Evolution (L or SG) (4)
ENV 302 / PLB 302: Plants and Civilization (L) (3)
ENV 345: Spatial Analysis in the Environmental Sciences (3)
ENV 388 / FOR 388 / LSC 388 / PLB 388 / PTX 388: STEM Research Fundamentals (3)
ENV 394 / LSC 394: Animal Behavior in a Changing Environment (3)
ENV 410: Soil Science (4)

ENV 485: Environmental Impact Assessment (3)
FOR 370: Fundamentals of Forensic Analysis (4)
FOR 377: Forensic Analytical Chemistry Laboratory (2)
FOR 380 / LSC 380: Analysis of Nonhuman Forensic DNA Evidence (3)
FOR 400: Comparative Forensics (3)
FOR 401 / PTX 401: Forensic Toxicology (3)
FOR 402: Forensic Biology (3)
FOR 414: Fundamentals of Forensic Entomology (4)
FOR 425 / LSC 425: Analytical Chemistry for Life Sciences (3)
FOR 426 / LSC 426: Analytical Chemistry for Life Sciences Lab (2)
FOR 447 / LSC 447: Molecular Genetics Laboratory (1)
FOR 475 / LSC 475 / PTX 475: Principles of Toxicology (3)
FOR 480 / LSC 480: Advanced Topics in Human Forensic DNA Typing (3)
LSC 322: Fundamentals of Ecology Laboratory (1)
LSC 347: Fundamentals of Genetics (3)
LSC 348: Fundamentals of Genetics Laboratory (1)
LSC 359: Animal Physiology Laboratory (1)
LSC 362: The Human Environment (3)
LSC 363: Genes, Race, Gender, and Society (L) (3)
LSC 430: Environmental and Human Toxicology (4)
LSC 432 / PTX 432: Fundamentals of Pharmacology (3)
LSC 434: Marine Ecology (3)
MIC 443: The Microbial Universe (3)
MIC 444: The Microbial Universe Laboratory (1)
PLB 308: Plant Physiology (4)
PLB 310: The Flora of Arizona (4)
PTX 301: Basics of Pharmacology and Toxicology (3)
PTX 450: Pharmacology and Toxicology Laboratory (1)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in biology; BA and BS in environmental science; BS in biology (environmental science); BS in biology (pharmacology/toxicology); BS in biotechnology and bioenterprise; BS in forensic science; BS in pharmacology and toxicology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Graduates who have included this minor with their major have a wide variety of options. They are prepared to pursue graduate studies or seek careers in such diverse areas as environmental management and conservation, health professions, laboratory research, primary and secondary school teaching, science advisement to businesses and government, and science writing.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASLSCMIN/undergrad/true/177
FAB N101
mnsadvising@asu.edu
602-543-3000

## Business Minor (BABUSMIN)

**Campus:** Tempe, Online

**Description:** A minor in business is available to students who are interested in business courses but wish to pursue majors in other colleges. The courses available for the minor are designed to appeal to and inform the nonbusiness student while covering a broad range of topics that are important to managers, such as:

- accounting

- computer information systems
- economics
- finance
- management
- marketing
- supply chain management

**Program Requirements:**
Students must complete 18 credit hours (12 of which must be upper division) of the specified business courses with a grade of "C" (2.00) or better in each course. At least 12 credit hours must be taken at ASU.

Required Courses -- 15 credit hours
ACC 382: Accounting and Financial Analysis (3)
ECN 211: Macroeconomic Principles (SB) or ECN 212: Microeconomic Principles (SB) (3)
FIN 380: Personal Financial Management (3)
MGT 380: Management and Strategy for Nonmajors (3)
MKT 390: Essentials of Marketing (3)

Elective (select one) -- 3 credit hours
AGB 420: Food Advertising and Promotion (3)
AGB 445: Food Retailing (3)
AGB 456: Food Product Innovation and Development (3)
CIS 300: Web Design and Development (3)
CIS 308: Advanced Excel in Business (3)
ECN 211: Macroeconomic Principles (SB) or ECN 212: Microeconomic Principles (SB) (3)
FIN 331: Financial Markets and Institutions (3)
LES 380: Consumer Perspective of Business Law (3)
MKT 391: Essentials of Selling (3)
MKT 395: Essentials of Advertising and Marketing Communication (3)
MKT 398: Essentials of Sports Business (3)
REA 380: Real Estate Fundamentals (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.
The College of Liberal Arts and Sciences Economics majors must use ECN 211 and ECN 212 in their degree and will take an additional elective to replace that requirement in the minor.
ACC 231 may substitute for ACC 382, if previously taken.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: all W. P. Carey School of Business undergraduate degree programs

Other Enrollment Requirements: None

This minor is open to non-Business majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies to complement the marketable knowledge and skills they acquire in their majors.

A minor in business can help students with understanding the foundations of business as they pursue careers in management or sales within their industry.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/
BA 160
wpcareyug@asu.edu
480-965-4227

## Chemistry Minor (ASCHMMIN)

**Campus:** West

**Description:** The minor program in chemistry offered by the School of Mathematical and Natural Sciences gives students expanded proficiency in the area of chemistry. The program's additional biochemistry and analytical chemistry courses give students more experience in the advanced and integrative fields of chemistry.

Many of the growing career fields, such as forensic sciences, medicine and environmental quality, require a greater amount of chemistry than in the past. Therefore, students with a stronger chemistry background have a competitive advantage in these fields, and this chemistry minor highlights that expanded chemistry knowledge for students' future schools and employers.

**Program Requirements:**
The minor in chemistry consists of 18 credit hours. A minimum of nine credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Course List -- 18 credit hours
BCH 341: Physical Chemistry with a Biological Focus (3)
BCH 371: Modern Concepts in Biochemistry (3)
BCH 372: Modern Concepts in Biochemistry Laboratory (1)
CHM 113: General Chemistry I (SQ) (4)
CHM 116: General Chemistry II (SQ) (4)
CHM 233: General Organic Chemistry I (3)
CHM 237: General Organic Chemistry Laboratory I (1)
CHM 234: General Organic Chemistry II (3)
CHM 238: General Organic Chemistry Laboratory II (1)
CHM 302: Environmental Chemistry (3)
FOR 401: Forensic Toxicology (3)
FOR 425 / LSC 425: Analytical Chemistry for Life Sciences (3)
FOR 426 / FOR 426: Analytical Chemistry for Life Sciences Lab (2)
FOR 494: Forensic Chemistry Lab (1)
PTX 301: Basics of Pharmacology and Toxicology (3)
PTX 475: Principles of Toxicology (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in environmental science; BS in biology (pharmacology/toxicology); BS in biology (environmental science); BS in forensic science; BS in pharmacology and toxicology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students with a minor in chemistry are employed in a variety of fields and are well suited in positions such as laboratory technician, research assistant, environmental scientist, technical advisor, science communication professional, hazard communication, chemical education and consultancy.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASCHMMIN/undergrad/true/177
FAB N101
mnsadvising@asu.edu
602-543-3000

## Chemistry Minor (LACHMMIN)

**Campus:** Tempe

**Description:** The chemistry minor program is designed to give students majoring in other disciplines a solid grounding in the basics of chemistry in order to complement their major degree. It is especially appropriate for students whose majors are in the various disciplines of physics, materials science, geology, engineering and life sciences.

**Program Requirements:**
The minor in chemistry comprises 28 credit hours of required courses, of which at least 12 credit hours must be completed at the upper-division level. Six of the 12 upper-division credit hours must be taken from courses offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 20 credit hours
CHM 113: General Chemistry I (SQ) or CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) (4)
CHM 116: General Chemistry II (SQ) or CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) (4)
CHM 233: General Organic Chemistry I (3)
CHM 237: General Organic Chemistry Laboratory I (1)
CHM 234: General Organic Chemistry II (3)
CHM 238: General Organic Chemistry Laboratory II (1)
CHM 325: Analytical Chemistry (3)
CHM 326: Advanced Analytical Chemistry Laboratory (1)
Notes: CHM 325 and CHM 326 should be completed at the Tempe campus for this minor.

Options -- 8 credit hours
Choose one of the following options for the additional 8 credit hours. (8)

Option 1
BCH 361: Advanced Principles of Biochemistry (3)
BCH 367: Elementary Biochemistry Laboratory (1)
CHM 341: Elementary Physical Chemistry (3)
Notes: BCH 341 may not be used to substitute CHM 341.
CHM 343: Elementary Physical Chemistry Laboratory (1)

Option 2
CHM 345: Physical Chemistry I (3)
Notes: CHM 345 and CHM 348 are only offered in the Fall semester.
CHM 348: Physical Chemistry Laboratory I (L) (1)
CHM 346: Physical Chemistry II (3)
Notes: CHM 346 and CHM 349 are only offered in the Spring semester.
CHM 349: Physical Chemistry Laboratory II (L) (1)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in applied biological sciences (all concentrations); BS and BA in biochemistry; BS in biochemistry (medicinal chemistry); BS and BA in chemistry; BS in chemistry (environmental chemistry); BS in forensic science; BS in health sciences (preprofessional); BS in nutrition; BS in nutrition (human nutrition); BS in medical studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A chemistry minor can benefit those who pursue careers in chemical and electronics industries, manufacturing and environmental industries, in national research labs and forensic labs.

**Contact Information:**

Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/
PSD 104
SMSadvising@asu.edu
480-965-7667

## Civic and Economic Thought and Leadership Minor (LACELMIN)

**Campus:** Tempe

**Description:** The minor program in civic and economic thought and leadership trains students to read and understand influential ideas in philosophy, economics and politics in order to become leaders in their field of study. Through faculty use of the Socratic method teaching style, students are challenged in the classroom and forced to think critically about the problems that impact society today.

Students in the minor participate in a high-impact curriculum and are eligible for a global intensive experience, leadership seminars, an internship program and special access to prominent scholars and visiting fellows.

**Program Requirements:**
The minor in civic and economic thought and leadership requires 18 credit hours, of which 12 credit hours must be upper division. At least 12 credit hours must be taken from ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 12 credit hours
CEL 100: Great Ideas of Politics and Ethics (HU) (3)
CEL 200: Great Debates in American Politics (HU) (3)
CEL 300: Debating Capitalism (3)
CEL 475: Statesmanship and American Grand Strategy (HU) (3)

Upper-Division Electives -- 6 credit hours
CEL 3** Elective (3)
CEL 4** Elective (3)
CEL 484: Internship (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in civic and economic thought and leadership; BS in civic and economic thought and leadership

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** A minor from the School of Civic and Economic Thought and Leadership can support a student's major and may be considered a benefit when a student is interviewing for a job or applying to graduate school. Completing a minor program shows employers or schools that the student is focused on educational goals and can handle the additional workload.

Students interested in careers as lawyers, doctors, journalists, educators, law enforcement officials and political scientists benefit from this liberal arts education that provides the academic foundation they need to ask informed questions, make sound decisions for the common good and solve the difficult problems that leaders confront in any discipline.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Civic & Economic Thought and Leadership
https://scetl.asu.edu/
COOR 6611
scetladvising@asu.edu
480-965-0155

## Communication Minor (HSCMNMIN)

**Campus:** West

**Description:** The minor program in communication provides students the opportunity to understand the role and function of communication in cultural, public, organizational and relational contexts.

The program offers a flexible set of courses, and it is designed for students majoring in another field.

**Program Requirements:**
The minor in communication consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper-division credit hours must be taken through the School of Social and Behavioral Sciences. Students wishing to pursue the minor must meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses -- 6 credit hours
COM 100: Introduction to Human Communication (SB) (3)
COM 225: Public Speaking (L) (3)

Upper Division COM Electives -- 12 credit hours
COM Upper Division Elective (12)
Notes: Up to three credit hours of COM 382, 383, 483, 484, 498 or 499 may be applied toward the minor.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** The minor in communication is a strong addition to any major. The minor enhances student preparation for employment in such diverse areas as:

- advertising
- corporate communications
- crisis management
- health communications
- human resource management
- media and public relations
- social media
- training and development

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/HSCMNMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Communication Minor (LACOMMIN)

**Campus:** Tempe, Online

**Description:** The minor program in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities.

**Program Requirements:**
The minor in communication consists of 18 credit hours, of which 12 credit hours must be upper division. Nine of the 18 credit hours must be ASU

resident-credit courses, including six upper-division credit hours offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
COM 100: Introduction to Human Communication (SB) (3)
COM 225: Public Speaking (L) or COM 259: Communication in Business and the Professions (3)

Minor Electives (choose two) -- 6 credit hours
COM 310: Relational Communication (SB) (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 316: Gender and Communication (SB & C) (3)
COM 323: Communication Approaches to Popular Culture (C) (3)

Related Area -- 6 credit hours
SGS OR  APA OR  AFR OR  TCL OR  AIS Upper Division Elective  (6)

No pass/fail, "Y" credit or credit/no-credit courses are allowed.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA and BS in communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in communication can help students as they pursue careers in marketing, education or public relations.

**Contact Information:**
Liberal Arts and Sciences, The College of
Hugh Downs School of Human Communication
https://humancommunication.asu.edu/
STAUF A412
communication@asu.edu
480-965-5095

## Communication Minor (LSCOMMIN)

**Campus:** Downtown Phoenix, Polytechnic

**Description:** The minor program in communication provides exposure to practical and theoretical aspects of communication, focusing on message-based processes that create, maintain and transform identities, relationships, organizations and cultures.

**Program Requirements:**
This minor requires 18 credit hours of communication courses.
Six credit hours must be taken from COM courses offered by the College of Integrative Sciences and Arts.

Required Courses -- 6 credit hours
COM 100: Introduction to Human Communication (SB) (3)
COM 430: Leadership in Group Communication (3)

Elective Courses -- 12 credit hours
 COM  Elective  (3)
COM Upper Division Elective  (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA or BS in communication; BA in business (communication)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.  A minor in communication can help students as they pursue careers in marketing, law, human resources, management and numerous related fields.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
AZCNTR 380
CISA@asu.edu
602-496-0271

## Community Health Minor (NUCHLTMIN)

**Campus:** Downtown Phoenix, West

**Description:** The minor in community health is designed for those who want to create healthy, sustainable communities.

Community health focuses on the actions and conditions needed for the health and well-being of individuals, families and communities. Students acquire skills for working with teams in diverse settings to formulate research-based strategies that assist individuals in making healthy and sustainable lifestyle choices.

**Program Requirements:**
A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 18 credit hours
HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) (3)
HCR 231: Fundamentals of Community Health (3)
HCR 331: Communication within Communities (3)
HCR 335: Program Development and Management for Community Health (3)
HCR 336: Environmental Community Health (3)
HCR 435: Leaders in Community Health (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in community health

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students pursuing a minor find that the courses in a minor complement and enhance the skill sets and knowledge acquired while pursuing a major program.

Although most career areas require more training than a minor can provide, students pursuing the community health minor learn about health care

and, specifically, the impact communities have on health care. Graduates often pursue employment in an organization focused on health care.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/minors
MERCC 250
EdsonCollege.advising@asu.edu
602-496-0888

## Community Sports Management Minor (PPCSMMIN)

**Campus:** Downtown Phoenix

**Description:** The community sports management minor focuses on developing skills that support recreational amateur sport programs within the community.

This minor provides the basics of community sport management and supplements a degree in a community-oriented profession.

**Program Requirements:**
Core Courses -- 12 credit hours
CSM 201: Introduction to Parks, Recreation and Sport Management (3)
Notes: Offered fall semester only
CSM 305: Sports Facility Operations and Management (3)
Notes: Offered spring semester only
CSM 407: Ethics and Legal Issues in Sports (3)
Notes: Offered fall semester only
PRM 315: Creating Community Through Park and Recreation Systems (3)
Notes: Offered fall semester only

Electives (choose two) -- 6 credit hours
CSM 335: Sports and Recreation for Youth Development (3)
Notes: Offered spring semester only
CSM 483: Sports Tourism (3)
Notes: Offered spring semester only
CSM 485: Sports Events (3)
Notes: Offered spring semester only
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 310: Volunteer Management (3)
RTH 364: Foundations of Recreation Therapy (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Sport programs exist in a number of settings, including nonprofit organizations, public agencies and corporate programs. For students interested in a career in one of these settings or for those who are simply interested in sport, this minor can provide additional relevant skills.

A minor in community sport management can help graduates as they pursue careers such as coaches and sports marketing managers.

**Contact Information:**
Public Service and Community Solutions, Watts College of

School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Computational Mathematical Sciences Minor (LACMSMIN)

**Campus:** Tempe

**Description:** The computational mathematical sciences minor offers a structured curriculum that includes a foundation in calculus with a focus on applied math. Students develop a framework of scientific computing and numerical analysis skills.

**Program Requirements:**
The minor in computational mathematical sciences consists of a minimum of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and all courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 18 credit hours
MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)
MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)
MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)
MAT 420: Scientific Computing (3)
MAT 421: Applied Computational Methods (CS) (3)
MAT 423: Numerical Analysis I (CS) or MAT 425: Numerical Analysis II (CS) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics; BS in data science; BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** A minor in computational mathematical sciences is one of the most versatile minors, offering students many potential career options. This minor assists in positioning students for careers in computer technology, business, medical research, teaching and education, engineering and more.

Diverse areas of study such as cancer modeling, weather forecasting and financial modeling all involve computational mathematical sciences.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/
WXLR 216
math@asu.edu
480-965-7195

## Conflict Resolution Minor (ASCNRMIN)

**Campus:** West

**Description:** The minor program in conflict resolution introduces students to theories and practices that enable them to understand, address and transform conflict while dealing with challenges both at the micro and the macro levels in professional and cross-cultural contexts and in individual and collective interactions.

**Program Requirements:**
The minor in conflict resolution consists of 15 credit hours. A minimum of nine credit hours must be upper division. A minimum of six upper-division credit hours of communication courses must be taken through the School of Social and Behavioral Sciences. All courses must be passed with a

minimum grade of "C" (2.00).

Required Courses -- 15 credit hours
COM 100: Introduction to Human Communication (SB) (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 371: Language, Culture, and Communication (SB & C & G) or COM 463: Intercultural Communication in a Global Context (SB & G) (3)
COM 423: Facilitating Collaboration and Dialogue or COM 432: Forgiveness and Reconciliation (3)
PAX 230: Introduction to Peace Studies (G) or JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

COM 100 is a prerequisite to COM 312. If COM 100 has already been taken as a major requirement, a communication upper-division elective may be substituted.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: COM 312, a required course in the minor has a minimum GPA of 2.00.

Incompatible Majors: BA in conflict resolution

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students who complete the minor take an interdisciplinary approach to conflict resolution while being grounded in communication. With this solid background, they are ready to pursue further education or careers in diverse areas and in relevant professions, such as:

- arbitrators, mediators, conciliators
- educators
- guidance counselors
- human resource managers or specialists
- marriage and family therapists
- patient representatives
- residential advisors
- social and community service managers

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASCNRMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Construction Management Minor (ESCMGMIN)

**Campus:** Tempe

**Description:** The minor program in construction management is comprised of coursework in construction management processes incorporating the technology and industry practices required to ensure a quality-built environment.

Due to industry demands for increased numbers of skilled personnel, this minor provides much needed supplementary knowledge for architecture, engineering and business majors as well as for students majoring in sustainability.

**Program Requirements:**
The minor in construction management requires 21 credit hours. A minimum cumulative 2.00 ASU GPA is needed to complete the minor.

Core Required Courses -- 21 credit hours
CON 244: Working Drawing Analysis (3)
CON 251: Microcomputer Applications for Construction (3)
CON 252: Building Construction Methods, Materials, and Equipment (3)
CON 383: Construction Estimating (3)
CON 453: Construction Technology (3)

CON 495: Construction Planning and Scheduling (CS) (3)
CON 496: Construction Contract Administration (L) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in construction management; BSE in construction engineering

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Construction management graduates can be employed as:

- building services engineer
- building surveyor
- facilities manager
- site engineer
- sustainability consultant

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering & Built Envirnmt
https://ssebe.engineering.asu.edu/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Counseling and Applied Psychological Science Minor (LSCAPSMIN)

**Campus:** Polytechnic, Online

**Description:** Counseling and applied psychology coursework focuses on the promotion of psychological well-being. Students learn basic counseling skills and techniques to complement a variety of social science and health majors, including psychology, public health, interdisciplinary studies, social work and the humanities, among many others.

**Program Requirements:**
Required Courses -- 9 credit hours
CAP 120: Introduction to Counseling (SB) (3)
CAP 220: Self in a Multicultural Society (C) (3)
CAP 240: Counseling Skills (3)

Electives (choose four courses) -- 12 credit hours
CAP 310: Addictions I: Foundations and Basic Principles (3)
CAP 315: Trauma and Crisis Intervention (3)
CAP 320: Theories of Counseling and Psychotherapy (3)
CAP 325: Professional Practice and Ethics in Counseling (3)
CAP 330: Group Counseling (3)
CAP 335: Addiction Group Counseling (3)
CAP 340: Multicultural Counseling Theory and Practice (3)
CAP 342: Community Outreach, Prevention and Intervention (3)
CAP 351: Issues in Assessment, Diagnosis and Treatment (3)
CAP 400: Advanced Counseling Research Methods (3)
CAP 420: School Counseling (3)
CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention (3)
CAP 494: Combat Trauma (3)
CAP 494: Counseling Military Veterans (3)
FAS 331: Modern Family Relationships (SB) (3)
FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)
JUS 305: Principles of Justice Studies (SB) (3)

PSY 315: Personality Theory and Research (SB) (3)
PSY 320: Learning and Motivation (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 350: Social Psychology (SB) (3)
PSY 366: Psychological Disorders (SB) (3)
PSY 369: Biology of Human Sexuality (3)
PSY 385: Psychology of Gender (SB) (3)
PSY 444: Adolescent Psychology and Psychopathology (3)
PSY 472: Clinical Psychology (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in counseling and applied psychological science (including substance abuse and addictions concentration)

Other Enrollment Requirements: None

The minor in counseling and applied psychological science is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor can help students enhance the marketable skills they acquire in their major, diversify their skills with training in another discipline, and improve their future job outlook. Although most careers require more training than a minor alone can provide, a minor in counseling and applied psychological science can add value for students who pursue careers in education, social work or health care.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Criminology and Criminal Justice Minor (PPCRJMIN)

**Campus:** Downtown Phoenix, Online

**Description:** The minor program in criminology and criminal justice allows students in other undergraduate programs at ASU to explore issues of crime, law and the criminal justice system. The program provides students with the tools to analyze complex issues and policies within the criminal justice system, enhancing students' ability to understand the nature of crime and the system response to law breaking.

In addition to the three required courses which provide a solid understanding of the field, each student selects electives to meet specific interests.

Criminal justice majors may not pursue a minor in criminology and criminal justice.

**Program Requirements:**
For this minor, students will:
1. at minimum, be in junior standing to take upper-division courses.

2. complete CRJ 100 as the prerequisite for all upper-division CRJ courses.
3. complete a minimum of 18 credit hours of graded classroom and online coursework (internship or independent study not applicable).
4. complete a minimum of 12 credit hours of CRJ resident credit at ASU.
5. earn a grade of "C" (2.00 on a 4.00 scale) or better for all courses in the minor.
6. consider meeting with a criminal justice advisor prior to registration.

Required Courses -- 6 credit hours
CRJ 100: Introduction to Criminal Justice (SB) (3)
CRJ 309: Criminology (SB) (3)

Choose one of the following: -- 3 credit hours
CRJ 203: Courts and Sentencing (3)
CRJ 230: Introduction to Policing (3)
CRJ 240: Introduction to Corrections (3)

Choose one of the following: -- 3 credit hours
CRJ 305: Gender, Crime, and Criminal Justice (C) (3)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)

CRJ Electives -- 6 credit hours
CRJ Upper Division Elective (6)
Notes: Choose any two CRJ courses at the 300- or higher level.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in criminology and criminal justice; BS in public service and public policy with the following concentrations: criminology, law and policy, or emergency management and homeland security

Other Enrollment Requirements: None

Applicants are asked to meet with a criminal justice advisor prior to registration.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the criminology and criminal justice minor find a strong job market in the public and private sectors. Employment opportunities exist in:

- bank fraud investigation
- corrections
- the courts
- domestic terrorism investigation
- federal agencies
- homeland security
- law enforcement
- legal offices
- parole offices
- private security
- probation offices
- victim advocate agencies

Graduates also may pursue advanced degrees in law, criminology and criminal justice, and other social science disciplines. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
SCCJAdvising@asu.edu
602-496-1658

# Dance Minor (FADANMIN)

**Campus:** Tempe

**Description:** The minor program in dance provides an inclusive, dynamic and culturally diverse learning environment in which students develop their creativity as artists, scholars and educators. The innovative curriculum promotes creative collaboration and a holistic approach to acquiring skills for successful career transitions. Movement practices, performance and creativity practice define the core of the program. The rich educational experience is further enhanced by studies in:

- criticism
- dance cultures
- dance history
- digital media
- movement science
- music
- pedagogy and leadership
- philosophy
- production
- somatics

**Program Requirements:**
The minor in dance consists of 19 credit hours of coursework, including nine upper-division credit hours. A minimum grade of "C" (2.00) or higher is required in all classes for the minor.
A minimum GPA of 3.00 in minor courses is required to earn the minor in dance.

Creative Practices or Somatics (choose one course) -- 2 credit hours
DCE 136: Introduction to Somatic Movement (2)
DCE 160: Creative Practices I (3)
DCE 236: Somatic Movement Applications: A Closer Look (2)

Major Level Movement Courses (choose one) -- 2 credit hours
DCE 133: Hip Hop I (2)
DCE 134: Contemporary Modern I (2)
DCE 135: Contemporary Ballet I (2)
DCE 139: Afro-Latin I (2)

Additional Movement Courses or Context Courses -- 6 credit hours
DCE 111: Belly Dance I (2)
DCE 115: Yoga I (2)
DCE 116: T'ai Chi Chuan I (2)
DCE 118: Yoga/Pilates (2)
DCE 120: Nonmajors Contemporary Modern I (2)
DCE 121: Ballet I (2)
DCE 122: Jazz I (2)
DCE 123: Nonmajors Hip Hop I (2)
DCE 124: Latin/Swing/Ballroom I (2)
DCE 125: Afro-Latin Salsa I (2)
DCE 126: Country-Western (2)
DCE 133: Hip Hop I (2)
DCE 134: Contemporary Modern I (2)
DCE 135: Contemporary Ballet I (2)
DCE 136: Introduction to Somatic Movement (2)
DCE 139: Afro-Latin I (2)
DCE 161: Creative Practices II (3)
DCE 194: Meditation (1)
DCE 201: Dance, Culture, and Global Contexts (HU) (3)
DCE 202: Dance in U.S. Popular Culture (HU & C) (3)
DCE 203: The Walking Body (HU) (3)
DCE 204: Dance, Health and Wellness (L) (3)
DCE 205: How Dance Matters: A Sociocultural Framing (C) (3)
DCE 224: Latin/Swing/Ballroom II (2)
DCE 225: Afro-Latin/Salsa II (2)
DCE 226: Musical and Kinesthetic Communication in Dance (2)
DCE 233: Hip Hop II (2)

DCE 234: Contemporary Modern II (2)
DCE 235: Contemporary Ballet II (2)
DCE 236: Somatic Movement Applications: A Closer Look (2)
DCE 238: Hip Hop Ensemble (1)
DCE 239: Afro-Latin II (2)
DCE 240: Media for Dance (CS) (3)
DCE 294: Authentic Jazz Dance (1)

Upper Division Dance Options -- 9 credit hours
DCE 300: Dancing Histories (HU) (3)
DCE 301: Dance Analysis and Theory (L or HU) (3)
DCE 302: History of American Hip Hop Dance (HU & C) (3)
DCE 303: The Body Condition(ed) (SB) (3)
DCE 306: History of Salsa: Afro-Latin Social and Global Contexts (HU & C) (3)
DCE 324: Latin/Swing/Ballroom III (2)
DCE 325: Afro-Latin/Salsa III (2)
DCE 333: Hip Hop III (3)
DCE 334: Contemporary Modern III (3)
DCE 335: Contemporary Ballet III (3)
DCE 336: Somatic Movement Development and Facilitation (3)
DCE 339: Afro-Latin III (3)
DCE 394: Choreography & Performance (1)
DCE 394: Dance at the Movies (1)
DCE 402: Ethnography of Dance Practices (L) (3)
DCE 403: Making. Living. Thriving Through the Arts (HU) (3)
DCE 404: Dance and Ethics (L) (3)
DCE 405: Writing the Creating Body (L or HU) (3)
DCE 438: Dance Theatre Performance/Production (2)
DCE 484: Internship (1-3)
DCE 494: Advanced Studies in Media for Dance (1)
DCE 494: Generative Critique:The Critical Response Process (1)
DCE 494: Guest Artist Repertory (1)
Notes: By audition only
DCE 494: Latin Performance Ensemble (1)
DCE 494: The Atlas of Creative Tools (1)
DCE 499: Individualized Instruction (1-3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: All dance majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in dance can help students as they pursue careers in fields such as arts administration, teaching, acting and fitness.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Data Science Minor (LADATSCMIN)

**Campus:** Tempe, Online

**Description:** A minor in data science provides students with skills in statistics, probability and coding in the context of large data sets. Students in this minor become useful consumers and producers of data. They understand and manipulate data sets to make conclusions and recommendations that can have an impact in real-world settings.

**Program Requirements:**
The minor in data science consists of a minimum of 25 credit hours, at least 12 of which must be at the upper division level. A grade of "C" (2.00 on a 4.00 scale) or better is required for courses used in the minor.

Required Courses -- 25 credit hours
DAT 250: Data Science and Society (3)
DAT 300: Mathematical Tools for Data Science (3)
DAT 301: Exploring Data in R and Python (4)
DAT 401: Statistical Modeling and Inference for Data Science (3)
DAT 402: Machine Learning for Data Science (3)
MAT 265: Calculus for Engineers I (MA) or MAT 270: Calculus with Analytic Geometry I (MA) (3-4)
MAT 266: Calculus for Engineers II (MA) or MAT 271: Calculus with Analytic Geometry II (MA) (3-4)
MAT 343: Applied Linear Algebra (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: N/A

Incompatible Majors: All majors in the School of Mathematical and Statistical Sciences

Other Enrollment Requirements: N/A

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in data science can help students with mathematical, statistical and computational modeling; data analysis; programming; and critical thinking skills as they pursue careers in business, medicine, insurance and research (government and private sectors). The intent of this minor is to apply the skills learned into any academic field of study to enhance the understanding of an increasingly data-based society.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
Math@asu.edu
480-965-7195

## Design Studies Minor (ARDSNMIN)

**Campus:** Tempe

**Description:** Students interested in design can earn a minor in design studies through this nonstudio-based program of study that focuses on the design disciplines offered in The Design School:

- architectural studies
- graphic design
- industrial design

- interior design
- landscape architecture

**Program Requirements:**
Courses selected must satisfy the minimum requirement of 18 credit hours for the minor. Twelve of the credit hours must be in 300-level or 400-level coursework.
To enhance understanding of the subject matter, some of the designated courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which these particular courses are offered. All designated courses for the minor in design studies are lecture courses.

Lower-Division Design Studies -- 6 credit hours
ALA 100: Introduction to Environmental Design (HU & H & G) (3)
ALA 102: Landscapes and Sustainability (HU & G) (3)
ARC 101: Architecture Project I (3)
ARC 102: Architecture Project II (3)
ARC 111: Architecture of Architecture I (3)
ARC 112: Architecture of Architecture II (3)
DSC 101: Design Awareness (HU & G) (3)
EDS 223: Design Thinking (3)
GRA 101: Designing Life (3)
GRA 111: Graphic Design History I (HU) (3)
GRA 112: Graphic Design History II (3)
GRA 225: Communication/Interaction Design Theory (3)
GRA 294: Illustrator (3)
GRA 294: InDesign (3)
GRA 294: Photoshop (3)
IND 242: Materials and Design (3)
IND 243: Design for Ecology and Social Equity (3)
INT 111: Interior Design Issues and Theories (HU) (3)
INT 121: Introduction to Computer Modeling for Interior Design (CS) (3)
INT 123: Introduction to Computer-Aided Design and Building Information Modeling (3)
INT 131: Design and Human Behavior (SB) (3)
LAP 231: Introduction to Digital Applications for Designers (CS) (3)
LAP 251: Plant Materials for Sustainable Landscapes (3)

Upper-Division Design Studies -- 12 credit hours
APH 494: Frank Lloyd Wright (3)
APH 494: Peter Zumthor (3)
APH 494: The Image of Rome (3)
ARC 330: World and Western Architecture for Nonmajors (HU & H & G) or ARC 331: World and Western Architecture I ((L or HU) & G & H) (3)
ARC 332: World and Western Architecture II ((L or HU) & G & H) (3)
ARC 394: Special Topics (3)
ARC 431: Contemporary Architecture and Urbanism 1970 to the Present (HU & H) (3)
ARC 434: Great Cities ((L or HU) & H) (3)
ARC 436: Charles and Ray Eames (HU) (3)
ARC 494: Special Topics (3)
DSC 394: Design Entrepreneurship & Society (3)
DSC 494: Special Topics (3)
EDS 301: Sustainable Community Design and Practices (HU) (3)
GRA 345: Design Rhetoric (L) (3)
GRA 401: Creative Environment (3)
GRA 440: Finding Purpose (3)
IND 316: 20th-Century Design I (HU & H) (3)
IND 317: 20th-Century Design II (HU & H) (3)
IND 344: Human Factors in Design (3)
IND 354: Principles of Product Design (3)
INT 310: History of Interior Design I (HU & H) (3)
INT 311: History of Interior Design II (HU & H) (3)
INT 415: Latin American Design or INT 494: Design and Culture in Latin America (3)
INT 494: Contemporary Design Issues in Europe (3)
INT 494: Design and Context (3)
LAP 311: History of Landscape Architecture (HU & H) (3)
LAP 312: 20th-Century Landscape Architecture (HU) (3)
LAP 485: International Field Studies (G) (3)

LAP 494: Special Topics (3)
LPH 494: Special Topics (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.50

Incompatible Majors: All majors in The Design School as well as the BA in design studies and the BA in design studies with a concentration in design management

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in design studies is intended to provide an overview of design processes and design thinking that can benefit any major within the ASU system. Many industries, including business and engineering, seek candidates with experience and understanding of design thinking since those possessing that skill have a unique method of approaching ongoing problems with new insights which lead to solutions.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu/
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Digital Audiences Minor (CSDAUMIN)

**Campus:** Downtown Phoenix, Online

**Description:** Who are digital consumers? How can they be measured? And how can data-driven strategy better engage and grow audiences?

By exploring the users of websites, social networks and apps and by applying techniques across digital analytics, social media campaigns, network analysis, search engine optimization (SEO) and search engine marketing, students who pursue the digital audiences minor gain a rich understanding of how to acquire and engage audiences.

The program uses real cases from real brands and organizations to explore tools like Google Analytics and Facebook Ads and tactics like hashtag analysis, competitive keyword research and digital advertising. Upon completion, students have a portfolio of real client work and the skills to strategically grow digital audiences and harness analytics to drive organizational change.

**Program Requirements:**
Students must complete MCO 307 first. In order to enroll in the course, students must have a 2.00 cumulative GPA.
To be awarded the minor, students must earn a "C" or better in all courses.

Required Courses -- 15 credit hours
MCO 307: The Digital Audience (3)
MCO 433: Social Media Campaigns, Engagement and Research (3)
MCO 434: Search Engine Research and Strategy (3)
MCO 438: Digital Audience Analysis (3)
MCO 439: Digital Audience Growth (3)

Students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in digital audiences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor or the Cronkite School advising department (https://cronkite.asu.edu/advising/undergraduate/) for more information.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Global Opportunities:**
Global Experience: Study abroad exposes students to unique perspectives, opinions and audiences that consume digital content. Students should consider programs that utilize experiential learning with organizations like social media companies or PR firms in countries like Japan and the UK where millions consume digital content every day. More information on available programs can be found on the Global Education website (gogolobal.asu.edu).

**Career Opportunities:** The digital audiences minor can help students as they pursue careers in digital advertising, SEO, social media strategy and email marketing, or roles in communication, marketing, engagement and strategy at organizations in their major fields.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csdaumin/
CRONK 222
cronkiteadvising@asu.edu
602-496-5055

## Digital Media Literacy Minor (CSDMLMIN)

**Campus:** Online

**Description:** The minor program in digital media literacy prepares students to be at the forefront of strategic and ethical issues related to digital media, including mis- and disinformation, automation, verification, security and privacy. Students explore how media is created, consumed and researched, and how better information creates better communities.

Graduates of the program are able to use cutting-edge tools and tactics to analyze media; verify and interpret information; exercise their freedom of expression; and use content to improve their own lives and society.

**Program Requirements:**
Students must maintain a minimum 2.00 cumulative GPA to pursue a minor in digital media literacy, and obtain a minimum grade of "C" (2.00 on a 4.00 scale) in each course in the minor.

Required Courses -- 15 credit hours
MCO 302: Media Research Methods (3)
MCO 425: Digital Media Literacy I (3)
MCO 426: Digital Media Literacy II (3)
MCO 427: Misinformation and Society (3)
MCO 428: Digital Media and Freedom of Expression in the 21st Century (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in digital media literacy

Other Enrollment Requirements: None.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of this program pursue a variety of professional and educational opportunities. The program's liberal arts foundation --- including critical thinking, communication, research and problem solving --- gives graduates the intellectual agility to thrive in many fields. Specialization in the technical, ethical, legal, social and economic aspects of digital media is especially valuable, as employers of all sizes try to leverage digital media to serve consumers.

As organizations try to keep up with digital transformation and plan for the future, having a deep understanding of how digital ecosystems work is critical. Demand for graduates of digital media literacy in fields such as health care communication, public service and sustainability is anticipated to rise, and the U.S. Department of Labor categorizes many jobs in these areas as having a bright outlook in the job market.

Given increasing emphasis on teaching media literacy at every age level, graduates can expect to find employment opportunities in a variety of educational settings, and some students may pursue graduate school in disciplines such as education, library science, law, public policy, business, public relations, digital strategy and journalism.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/
CRONK 222
cronkiteadvising@asu.edu
602-496-5055

## Disability Studies Minor (ASDISASMIN)

**Campus:** West, Online

**Description:** The minor in disability studies explores historical, linguistic, social, artistic and legal dimensions of disability with the goal of improving society in ways that benefit those with disabilities.

Through curriculum that combines theory and practice, students are prepared to address injustices, exclusions and misapprehensions regarding disabilities through advocacy and self-advocacy, education, knowledge of the law and historical awareness. The coursework, designed to complement any undergraduate major, utilizes an electronic portfolio tailored to students' professional interests.

The disability studies minor is offered by ASU's New College of Interdisciplinary Arts and Sciences.

Format option
This program is also offered via ASU Sync (https://provost.asu.edu/sync/students). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Program Requirements:**
The minor in disability studies consists of 18 credit hours, of which at least 12 credit hours must be upper division. Six upper-division credit hours must be completed through coursework in the School of Humanities, Arts and Cultural Studies. Program requirements include six credit hours of core coursework, nine credit hours of electives and three credit hours of culminating experience. All courses used to fulfill the requirements of this minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
DST 101: Introduction to Disability Studies (C) (3)
HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Electives (choose three) -- 9 credit hours
AMS 449 / ETH 449 / WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)
AMS 469 / ETH 469 / WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
BIO 312 / IAS 340 / PHI 320: Bioethics (HU) (3)
COM 494 / DST 494: Disability & Media: The Politics of Representation (3)

DST 322: Social and Cultural Implications of the Many Forms of Disability (3)
DST 394: Civil Rights Law and Accessibility Compliance (3)
DST 394: Disability Studies Memoir and Writing (3)
DST 394: International Disability Issues (3)
DST 394: Special Topics (3)
DST 458: Disability and Communication Advocacy (3)
DST 494 / ENG 494 / IAP 494: Disability and Aesthetics (3)
DST 494: Gender, Sexuality, and Disability (1)
DST 494: Special Topics (3)
ENG 469: Science and Literature (3)
FAS 498 / CDE 498 / SOC 498: Disability and Inclusion (1)
HRC 310: Social and Cultural Analysis: Method and Theory (C) (3)
HRC 494: Veterans and Critical Disability Studies (3)
IAP 494: Accessibility in Digital Arts and Design (3)
JMC 366: Journalism Ethics and Diversity (3)
JUS 301: Research in Justice Studies (SB) (3)
JUS 437: The Social Construction of Disability and Justice (3)
JUS 494: Policy, Advocacy and Disability (3)
RTH 364: Foundations of Recreation Therapy (SB) (3)
SOC 352: Social Change (SB & G & H) (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 426: Social Inequalities (SB) (3)
WST 444: Gender, Health, and Bodies (SB) (3)

Culminating Course -- 3 credit hours
DST 493: Honors Thesis (L) or HRC 480: Capstone: Practices and Approaches (L) or IAS 484: Internship (1)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in disability studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Students with a minor in disability studies find career opportunities in many fields, such as social justice, civil service, law, health care advocacy, social work, education, rehabilitative health care, counseling, business, policy and advocacy, and government, and with community and nongovernmental organizations.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASDISASMIN/undergrad/true/177
FAB N100
harcsadvising@asu.edu
602-543-3000

## Early Childhood Education Minor (TEECEDMIN)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Description:** A minor in early childhood education allows students to combine their knowledge of their major discipline with an understanding of educational practices for young children and their families.

Students complete specialized coursework in topics such as childhood development, advocacy in early childhood, educational psychology and

adolescent development.

The ultimate goal of this minor is to produce graduates who understand child development and apply that knowledge when collaborating with other educators in schools and other learning environments such as preschools and community centers.

**Program Requirements:**
Required Courses -- 18 credit hours
CDE 350: Inequality and Diversity in Education (L & C) or FAS 370: Family Ethnic and Cultural Diversity (SB & C) or HEP 443: Emotional Health and Interpersonal Relationships or JUS 235: Disability, Justice and Advocacy (C) (3)
ECS 312: Social and Emotional Development of the Young Child (SB) (3)
ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education (3)
EDP 310: Educational Psychology for Non-Teachers (SB) (3)
Notes:  Complete three one-hour courses in EDP 310
SPE 222: Orientation to Education of Exceptional Children (SB & C) (3)
TEL 215: Introduction to Child and Adolescent Development (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: All education majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Graduates with a minor in early childhood education acquire knowledge and skills related to child development and educational support, which is a benefit as they pursue careers that require working with young children and their families in a variety of educational settings.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

## Economics Minor (LAECNMIN)

**Campus:** Tempe, Online

**Description:** Economics is a social science that examines how societies, businesses and individuals deal with scarcity, and this minor in economics offers instruction by world-renowned researchers and award-winning professors. Students build a foundation of micro- and macroeconomics that supports their investigation of the forces shaping national and global economies.

Students create a personalized program of study that covers economic theory and applications. Students complete introductory courses (ECN 211 and ECN 212) and choose electives from a large set of upper-division offerings to suit individual interests and goals.

**Program Requirements:**
The minor in economics consists of 18 credit hours in economics courses, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken in courses offered by the W. P. Carey School of Business. Only courses completed with a grade of "C" (2.00 on a scale of 4.00) or better can be used to satisfy minor requirements.

Required Courses -- 6 credit hours
ECN 211: Macroeconomic Principles (SB) (3)
ECN 212: Microeconomic Principles (SB) (3)

Electives -- 12 credit hours

ECN Upper Division Elective (12)

No more than three credit hours of ECN 484 Internship may be applied to the minor.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in economics; BS in economics (politics and the economy); BS in politics and the economy

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in economics on a resume may help students as they pursue careers in business, finance, government and law.

**Contact Information:**
Liberal Arts and Sciences, The College of
Economics Program in CLAS
https://wpcarey.asu.edu/economics-degrees/undergraduate
CRTVC 412
wpcareyecn@asu.edu
480-965-3531

## Educational Studies Minor (TEEDSTMIN)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West, Online

**Description:** The educational studies minor prepares students to work with children, youth and adults in a variety of learning contexts.

Students broaden their skill set by completing specialized coursework in topics such as pedagogy, educational technology and problem-solving.

Students learn how to apply educational techniques in many professional settings. The minor provides a foundation for students to make an impact as educators in a society in which the importance of lifelong learning and learning outside traditional school-based environments is likely to grow.

**Program Requirements:**
The minor in educational studies requires 15 credit hours, including six lower-division credits and nine upper-division credits. A "C" grade or better is required in all coursework.

Required Courses (choose two) -- 6 credit hours
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) (3)
SPE 223: Intersection of Society, Disabilities and Inclusion (3)
TEL 111: Exploration of Education (SB) (3)
TEL 208: Literacy in a Changing World (HU) (3)
TEL 215: Introduction to Child and Adolescent Development (SB) (3)

Overview of Education -- 9 credit hours
EDU 301: Why Education? (3)
EDU 302: Diversity in Learning Contexts (3)
EDU 402: Partnering to Advance Educational Initiatives (L) (3)
LSE 303: Human Development: Addressing Learner Capabilities (SB) (3)
LSE 305: Conceptualizing Learning: Theories in Practice (3)
LSE 401: Designing Learning Environments for Inclusion (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: All education majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** While most career paths require more training than a minor alone can provide, a minor can help students enhance the marketable skills they acquire in their major as well as help them develop new, complementary skills.

A minor in educational studies equips students with skills in leadership, collaboration and innovation, all of which are valuable benefits when pursuing educational careers in a variety of settings such as nonprofits, community institutions, civic organizations, businesses and more.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

## Engineering Management Minor (ESENMMIN)

**Campus:** Tempe, Online

**Description:** The curriculum of the minor in engineering management supplements students' majors by adding to the breadth of engineering science and design and equipping the student with additional management and design skills. This knowledge is augmented with an understanding of business practices, organizational behavior and management skills to enable the student to succeed in the management of a scientific or engineering enterprise.

Topics such as project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management are covered, in addition to product design and process development.

**Program Requirements:**
The minor in engineering management requires completion of 18 credit hours: three core courses (nine credit hours) and three elective courses (nine credit hours). All courses must be passed with a "C" or better. At least 12 credit hours must be completed in residency at ASU or through ASU Online.

Core Courses -- 9 credit hours
IEE 300: Economic Analysis for Engineers (3)
IEE 380: Probability and Statistics for Engineering Problem Solving (CS) (3)
IEE 458: Project Management or CEE 481: Civil Engineering Project Management (3)
Notes: CEE 481 may not be used for both the BSE in civil engineering and the minor in engineering management.

Electives -- 9 credit hours
IEE 369: Work Analysis and Design (L) (3)
IEE 376: Operations Research Deterministic Techniques/Applications (4)
IEE 381: Lean Six Sigma Methodology (3)
IEE 412: Introduction to Financial Engineering (3)
IEE 431: Engineering Administration (L) (3)
IEE 437: Human Factors Engineering (3)
IEE 454: Risk Management (3)
IEE 456: Introduction to Systems Engineering (3)
IEE 474: Quality Control (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BSE in engineering management; BSE in industrial engineering

Other Enrollment Requirements: Prior to enrolling in the minor, students must have completed MAT 265 Calculus for Engineers I and MAT 266 Calculus for Engineers II (or an equivalent calculus sequence) with a grade of "C" or better in each.

IEE 380 is a required course. If a student is required to take IEE 380 for their degree, they will need to take another elective to replace the requirement for the minor.

Interested students should consult with a School of Computing and Augmented Intelligence advisor (https://fultonapps.asu.edu/advising/) to verify eligibility and to review all courses required for the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. The minor in engineering management can help students pursuing careers in engineering and business fields gain valuable skills in management for engineering-related professions, which could fast track an individual into a managerial role down the line in their profession.

Career examples include production supervisor, project management team member or project management team leader.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
https://scai.engineering.asu.edu/engineering-management-bse/engineering-management-minor/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## English Minor (ASENGMIN)

**Campus:** West

**Description:** The minor in English is an ideal choice for students who enjoy English and desire to become better writers, readers and thinkers. The program requirements ground students in the basics of literary and cultural study, and the distribution area requirements engage the social, environmental and political challenges of the time.

With its emphasis on critical reading and writing skills, the English minor is the perfect complement to any major.

**Program Requirements:**
The minor in English requires 18 credit hours, of which at least nine credit hours must be upper division. Students must complete a minimum of six upper-division credit hours in courses offered by the School of Humanities, Arts and Cultural Studies. At least three credit hours of Distribution coursework must be at the 400-level. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Core Course -- 3 credit hours
ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Distribution Cluster Requirement -- 12 credit hours
Select one course from each distribution cluster. A minimum of two courses (six credits) must be upper division, and at least one course must be at the 400-level.

Writing, Power, Change -- 3 credit hours
ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)
ENG 213: Introduction to the Study of Language (3)
ENG 217: Writing Reflective Essays (L) (3)

ENG 241: Literatures of the United States to 1860 ((L or HU) & C) (3)
ENG 288: Beginning Creative Writing Workshop in Fiction (3)
ENG 311: Persuasive Writing (L) (3)
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)
ENG 323: Rhetoric and Grammar (L) (3)
ENG 339: Creating Dramatic Works: Page to Stage to Screen (3)
ENG 352: Short Story (L or HU) (3)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)
ENG 361: Scriptwriting (3)
ENG 379: Travel Writing (L) (3)
ENG 394 / IAP 394: Print and the Protest (3)
ENG 410: Writing for Publication (3)
ENG 416: Chaucer in Middle English (HU) (3)
ENG 425: Studies in Romanticism (HU) (3)
ENG 433: Literary Magazine Publishing: Canyon Voices (3)
ENG 437: The American Novel, 1900 - 1960 (L or HU) (3)
ENG 440: Studies in American Literature and Culture (3)
ENG 472: Rhetorical Studies (3)

Climate, Energy, Infrastructure -- 3 credit hours
ENG 245: Popular Culture Issues (3)
ENG 324: Horror: Film and Short Stories (3)
ENG 342: 20th-Century British and Irish Literature (HU) (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
ENG 369: Science Fiction Studies (3)
ENG 378: Environmental Creative Nonfiction (L or HU) (3)
ENG 415: Studies in Medieval Literature and Culture (HU) (3)
ENG 416: Chaucer in Middle English (HU) (3)
ENG 471: Literature for Young Adults (HU) (3)
ENG 498: Reading Englands Literary Landscapes (L) (3)

Borders, Boundaries, Citizenship -- 3 credit hours
ENG 221: Survey of English Literature (HU) (3)
ENG 222: Survey of English Literature (HU & H) (3)
ENG 241: Literatures of the United States to 1860 ((L or HU) & C) (3)
ENG 242: Literatures of the United States, 1860 to Present (HU) (3)
ENG 328: The Novel to Jane Austen (HU & H) (3)
ENG 333: American Ethnic Literature (3)
ENG 334: The American Southwest in Literature and Film ((L or HU) & C) (3)
ENG 342: 20th-Century British and Irish Literature (HU) (3)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)
ENG 379: Travel Writing (L) (3)
ENG 386: American Gothic (3)
ENG 394: Oral History & Storytelling in Humanities & Arts (3)
ENG 420: Multicultural Autobiographies ((L or HU) & C) (3)
ENG 432: The American Renaissance (HU) (3)
ENG 457: Studies in American Poetry (HU) (3)
ENG 462: Africana Literature (HU & G) (3)
ENG 498: Reading Englands Literary Landscapes (L) (3)

Bodies, Intersections,Transitions -- 3 credit hours
ENG 203: Introduction to Health Humanities (HU) (3)
ENG 323: Rhetoric and Grammar (L) (3)
ENG 324: Horror: Film and Short Stories (3)
ENG 333: American Ethnic Literature (3)
ENG 364: Women and Literature (HU) (3)
ENG 369: Science Fiction Studies (3)
ENG 421: Studies in Shakespeare (L or HU) (3)
ENG 431: Whitman and Dickinson (L or HU) (3)
ENG 443: Gender, Culture and Literacy (3)
ENG 454 / WST 454: Gender and Literature (L or HU) (3)

ENG 461: Studies in Women and Literature (3)
ENG 472: Rhetorical Studies (3)
ENG 476: Studies in Folklore (3)
ENG 478: Studies in Modernism (3)
ENG 494: Disrupting Dis/Ability Discourses (3)
ENG 494: Weird Fiction: Films and Short Stories (3)

Upper Division ENG Elective -- 3 credit hours
ENG Upper Division Elective (3)
Notes: ENG 499 Individualized Instruction may only be used once, and only with permission of the English program lead.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in English

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students completing a minor in English are better prepared for professional training in law, business, teaching and public policy; for careers in marketing, public relations, government, diplomacy and community work; and for other professions in which problem-solving, creativity, research strengths, writing, interpersonal and digital skills are necessary and valued.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASENGMIN/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## English Minor (LAENGMIN)

**Campus:** Online

**Description:** The minor in English provides students with the knowledge and skills that enable them to improve their writing, enhance their ability to read and think analytically, and become critical consumers of media.

This program is delivered entirely online and serves as a complement to the chosen major of undergraduate students who are pursuing an ASU major online.

**Program Requirements:**
The online minor in English consists of 18 credit hours, of which at least 12 credit hours must be upper division. The remaining six credit hours may be completed with ENG 200-499 courses. At least six of the upper-division credit hours must be earned from The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Core Courses (choose three) -- 9 credit hours
ENG 211: Introduction to English Studies (HU) (3)
ENG 305: Interpretive Theory (HU) (3)
ENG 308: Form and History/Culture (HU) (3)
ENG 309: Rhetoric for Writers (L) (3)
ENG 327: English Studies Research (3)
ENG 489: Scholarly Products (3)

English Electives -- 9 credit hours
ENG 2** Elective or ENG 3** Elective or ENG 4** Elective (3)
ENG Upper Division Elective (6)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in English

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

A minor in English provides students with the strong analytical and communications skills required by many professions, such as those in publishing, journalism, public relations, nonprofit organizations, professional and technical writing, education, business, banking, grassroots activism, law and medicine, as well as numerous others throughout industry and government.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## English Minor (LSENGMIN)

**Campus:** Polytechnic

**Description:** The minor program in English focuses on effective writing, critical thinking and reading sophisticated literary and nonliterary texts.

**Program Requirements:**
The English minor consists of 18 credit hours. A minimum of nine upper-division credit hours is required, of which at least six credit hours must be taken through the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Course -- 3 credit hours
ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Electives -- 15 credit hours
ENG Elective (6)
ENG Upper Division Elective (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00 cumulative GPA

Incompatible Majors: BA in English

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in English can help students as they pursue careers in any field where effective written communication and textual interpretation are important, including careers in publishing, marketing, law, journalism, management, education and numerous other fields.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## English (Linguistics) Minor (LAENGMINN)

**Campus:** Tempe

**Description:** Students who pursue a minor in English with a focus in linguistics study the origins, structures and functions of language. The program provides students with knowledge and skills that enable them to improve their writing, enhance their ability to read and think analytically, and become critical consumers of media.

**Program Requirements:**
The minor in English with a focus in linguistics consists of 18 credit hours. A minimum of 12 upper-division credit hours are required, with at least six credit hours from courses offered by The College of Liberal Arts and Sciences. Courses must be completed with a grade of "C" (2.00 on a scale of 4.00) or better to satisfy minor requirements.

Required Courses -- 12 credit hours
ENG 213: Introduction to the Study of Language (3)
ENG 312: English in its Social Setting (L or HU or SB) (3)
ENG 314: Modern Grammar (3)
ENG 413: History of English Language (HU) (3)

Directed Electives (choose two) -- 6 credit hours
ENG 214: English Grammar and Usage (3)
ENG 313: Phonology and Morphology (3)
ENG 403: Semantics (3)
ENG 404: Studies in Second Language Acquisition (3)
ENG 414: Studies in Linguistics (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.
ENG 404 and ENG 414 are variable topics courses and may be repeated with a different topic title for a total of 6 credit hours.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in English (all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in English linguistics can help students as they pursue careers in writing, teaching, editing and publishing.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## English (Literature) Minor (LAENGMINT)

**Campus:** Tempe

**Description:** The minor program in English with a focus on literature emphasizes global literatures in English, from the earliest writings to the present. Students can choose from a broad array of courses to further explore subjects such as race and ethnicity, gender and sexuality, and literary histories and traditions.

**Program Requirements:**
The minor in English with a focus in literature consists of 18 credit hours. At least 12 credit hours must be completed at the upper-division level, with a minimum of six upper-division credit hours from courses offered by the Department of English in The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Required Courses (choose three) -- 9 credit hours
ENG 206: Introduction to Literary Studies (3)
ENG 304: Critical Theories and Methods (3)
ENG 332: Studies in Race and Ethnicity in Literature and Culture (3)
ENG 349: Global Literary Studies (3)
ENG 350: Studies in Literary Histories and Traditions (3)
ENG 384: Studies in Gender and Sexuality in Literature and Culture (3)
ENG 444: Topics for Interdisciplinary Study of Literature and Culture (3)
ENG 491: Topics for Advanced Research (3)

Electives -- 9 credit hours
ENG 2** Elective or ENG 3** Elective or ENG 4** Elective (3)
ENG Upper Division Elective (6)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in English (including all concentrations); BAE in secondary education (English)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in English can help students as they pursue careers in technical or professional writing or teaching.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## Environmental Science Minor (ASENVMIN)

**Campus:** West, ASU at Lake Havasu

**Description:** The environmental science minor program provides students with a fundamental understanding of how the natural world functions as a system, how changes in this system influence organisms and humans, and, in turn, how this system is impacted by humans.

An understanding of human-environment interactions gained through this minor will augment students' major field of study. To accommodate broad interests for students from a variety of majors, the curriculum is designed to allow students to explore their interests by choosing from categories of scientific coursework and skill-based curricula, to provide applied experiences for students from a variety of majors.

**Program Requirements:**
The minor in environmental science consists of 15 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
ENV 201: Fundamentals of Environmental Science (3)
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) or IAS 409 / PHI 409: Eco-Community Ethics (HU) or PHI 310: Environmental Ethics (HU) (3)

Upper-Division Electives -- 9 credit hours
Choose a minimum of nine credit hours from the following categories. Students may choose freely from among the categories; it is not necessary to take one from each or all from one category.
Global/Ecosystem Focus:
BIO 422: Ecosystem Ecology (3)
CHM 302: Environmental Chemistry (3)
ENV 410: Soil Science (4)
LSC 434: Marine Ecology (3)
MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory (4)
Organismal Focus:
BIO 370: Vertebrate Zoology (4)
BIO 385: Comparative Invertebrate Zoology (4)
BIO 410: Techniques in Conservation Biology and Ecology (L) (3)
BIO 412: Conservation in Practice (3)
BIO 474: Herpetology (4)
PLB Upper Division Elective (3-4)
Skills in Environmental Science:
ENV 345: Spatial Analysis in the Environmental Sciences (3)
ENV 388: STEM Research Fundamentals (3)
ENV 485: Environmental Impact Assessment (3)
ENV 499: Individualized Instruction (1-3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS and BA environmental science

Other Enrollment Requirements: This first course in this minor (ENV 201) has prerequisites of BIO 181, BIO 182 and CHM 116.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students who complete this major have the foundational knowledge they need to apply environmental concepts and awareness to their future careers.

Many career fields have environmental applications, including:

- academic research
- business
- economics
- entrepreneurship
- health

Career opportunities are many, including positions in:

- environmental policy agencies
- management or leadership in federal and state agencies
- municipality planning offices
- private consulting firms

• nongovernmental and nonprofit organizations

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASENVMIN/undergrad/true/177
FAB N101
mnsadvising@asu.edu
602-543-3000

## Environmental and Resource Management Minor (ESERMMIN)

**Campus:** Polytechnic

**Description:** The minor program in environmental and resource management provides students with a thorough introduction to environmental regulations and key environmental management issues such as the provision of clean, potable water; wastewater treatment; and solid and hazardous waste management; as well as remediation technologies for polluted soils, groundwater and air. Students learn to apply basic science and engineering principles to solving problems that significantly impact human health and ecosystems.

The environmental and resource management minor program provides a valuable option to other majors that focus on environmental issues whether from a technical or policy perspective. The courses form a coherent whole and demonstrate the connection between science, engineering, public policy, management and the law.

**Program Requirements:**
The minor requires completion of four core courses (12 credit hours) and two elective courses (six credit hours) for a total of 18 credit hours. At least 12 credit hours must be completed in residency at ASU. Courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Core Courses -- 12 credit hours
ERM 201: Environmental Management (3)
ERM 203: Environmental Regulations (3)
ERM 302: Water and Wastewater Treatment Technology (3)
ERM 401: Hazardous Waste Management (3)

Electives -- 6 credit hours
ERM 402: Unit Treatment Technologies (3)
ERM 406: Environmental Chemistry (3)
ERM 407: Occupational Hygiene (3)
ERM 426: Environmental Issues (3)
ERM 428: International Environmental Management (G) (3)
ERM 432: Sustainable Solid Waste Management (3)
ERM 494: Algal Bioprocess and Biosystems Engineering (3)
ERM 494: Environmental Health (3)
ERM 494: Environmental Management Leadership (3)
ERM 494: Water and Food Security (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in environmental and resource management

Other Enrollment Requirements: Interested students must have at least sophomore status.

Students should consult with an advisor in The Polytechnic School to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should go to the advising website (https://fultonapps.asu.edu/advising).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Graduates with the skills gained in this minor are in high demand and can find work in industry, governmental management and regulatory agencies, and in policymaking organizations.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/ERM
WANER 240
polyadvising@asu.edu
480-727-1874

## Ethnic Studies Minor (ASETHMIN)

**Campus:** West

**Description:** The minor in ethnic studies explores the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas.

The coursework combines topics in the humanities, arts and social sciences, and instruction is given on methods to critically analyze racial, ethnic, gender and sexual identities; transnational movements; and diverse forms of cultural, literary and political expression.

The minor in ethnic studies is recommended for graduate students, nondegree students and students majoring in professional programs.

**Program Requirements:**
The minor in ethnic studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Up to three credit hours of individualized instruction may be applied toward the minor. All courses in the minor must be passed with a minimum grade of "C" (2.00) or better.
Students are encouraged to meet with an academic advisor to choose courses that develop breadth rather than limiting their selection to courses in one particular discipline.

Required Courses -- 6 credit hours
ETH 100: Ethnic and Indigenous Lives (SB & C) (3)
HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Upper-Division Electives -- 12 credit hours
AMS 332: Studies in Race and Ethnicity (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)
ENG 338: Protest Literature (3)
ENG 359: Indigenous American Literature ((L or HU) & C) (3)
ENG 420 / IAS 420: Multicultural Autobiographies ((L or HU) & C) (3)
ENG 462: Africana Literature (HU & G) (3)
ENG 463: African American Literature (3)
ENG 476: Studies in Folklore (3)
ETH 353 / ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)
ETH 354 / ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)
ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)
ETH 428 / AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)
ETH 430 / WST 430: Gender on the Borderlands (SB & G) (3)
ETH 433 / WST 433: Race and Sexualities in Social Justice Movements (3)
ETH 450: Latina/os, Schooling and Social Inequality (C) (3)
ETH 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)
ETH 499: Individualized Instruction (3)
HST 419: 20th Century Chicano/a History (C) (3)
IAP 302: Cross-Cultural Perspectives on the Arts (L or HU) (3)
IAP 464: Media and Diversity (HU & G) (3)
LAS 340 / WST 341: Latin American Women Writers (HU & G) (3)
SBS 301: Cultural Diversity ((L or SB) & C) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in social and cultural analysis (ethnicity, race and Indigenous studies)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** This program helps prepare students for careers, or for graduate school, in a variety of fields, including:

- business
- community development
- criminal justice
- education
- governance
- health care
- public relations
- public policy
- social services

Potential careers include:

- community health worker
- journalist
- secondary and high school teacher
- social and community service manager

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASETHMIN/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Family and Human Development Minor (LAFASMIN)

**Campus:** Tempe, Online

**Description:** In the minor program in family and human development, students learn about the stages of development, from birth to late adulthood, and the important influences of family and society on how we change and grow.

This program provides an exceptional complement to studies in psychology, communication, education, business and nursing.

This program is offered by the T. Denny Sanford School of Social and Family Dynamics.

**Program Requirements:**
The minor in family and human development consists of 18 credit hours in family studies and child development. At least 12 of the 18 credit hours must be in upper-division courses. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours
CDE 232: Human Development (SB) (3)
FAS 101: Personal Growth and Relationships (SB) (3)
FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)

Upper-Division Electives -- 9 credit hours
CDE Upper Division Elective (3)
CDE OR FAS Upper Division Elective (6)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in family and human development

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in family and human development can help students as they pursue careers in health care, counseling and social work, sociology or education.

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
SS 144
advisor@asu.edu
480-965-6978

## Fashion Minor (HIFSHMIN)

**Campus:** Tempe, Online

**Description:** The minor program in fashion offers grounding in the history, social context and economics of the contemporary fashion industry. Students also have the option of pursuing more focused classes designed to introduce them to a variety of roles in this important industry: fashion history, fashion industry business practices and fashion production.

Degree programs can be complemented by this minor through subjects such as marketing and merchandising, costuming, wearable technology, sustainability, management and leadership, international experience, and fashion and culture. Due to the relationship of these subjects to a wide variety of disciplines taught at ASU, many students throughout the university may supplement their major with closely related fashion minor classes, creating a strong foundation for a variety of careers. Opportunities for study abroad could further advance students' professional goals.

Taught by well-known fashion industry professionals, students enrolled in the minor in fashion at ASU develop connections to leaders in the field.

**Program Requirements:**
The minor in fashion requires 19 credit hours, of which nine credit hours must be upper-division (300 or 400-level) coursework. The program includes four credits of required core courses and 15 credits of theme area courses.

Required Introductory Courses -- 4 credit hours
FSH 200: Textiles Survey Lab (1)
FSH 201: Textiles Survey (3)

Fashion Theme Area Courses -- 15 credit hours
Students complete 15 credit hours (nine must be upper division) selecting courses across the theme areas below. Students may wish to determine which upper-division (300/400-level) courses they are interested in to ensure needed lower-division (100/200-level) prerequisite courses are taken.
Theme Area (6)
Upper Division Theme Area (9)

Fashion Apparel Design Theme
FSH 122: Apparel Construction I (3)
FSH 203: Fashion Illustration I (3)
FSH 206: Fashion Design I or FSH 294: Fundamentals of Fashion Design (3)
FSH 208: Fashion Technology I (3)
FSH 222: Apparel Construction II (3)
FSH 224: Introduction to Accessory Design (3)
FSH 303: Fashion Illustration II (3)
FSH 306: Fashion Design II (3)
FSH 308: Fashion Technology II (3)
FSH 394: Draping for Fashion Design (3)
FSH 394: Fashion Design & Wearable Technology (3)
FSH 394: Materials and Techniques (3)

FSH 394: Sustainable Design Studio (3)
FSH 412: Power Play (3)
FSH 494: Paris Fashion and Culture Experience (3)

Fashion Business & Merchandising Theme
FSH 175: Merchandising Essentials (3)
FSH 275: Merchandising Applications (3)
FSH 280 / MKT 280: Fashion Merchandising (3)
FSH 300: Global Fashion Industry (G) (3)
FSH 325: Personal Style and Wardrobe (HU) (3)
FSH 326: Fashion Styling (3)
FSH 375: Marketing Strategies (3)
FSH 380: Fashion Forecasting (3)
FSH 385: Fashion Visual Merchandising (3)
FSH 394: Fashion Retail Management (3)
FSH 475: Communication Strategies for Fashion (3)

Fashion Culture, Criticism and Curation Theme
ARS 394: 20th Century American & European Jewelry Design (3)
FSH 204: Social Aspects of Fashion (L or HU or SB) (3)
FSH 304: Equity and Inclusion in Fashion (3)
FSH 331 / ARS 331: 18th- and 19th-Century European Jewelry Design (3)
FSH 360: Sustainable Systems in Fashion (3)
FSH 435: Contemporary Fashion (L or HU) (3)
FSH 494: Paris Fashion and Culture Experience (3)
THE 430: History of Fashion I (HU) (3)
THE 431: History of Fashion II: 20th-Century Fashion (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.50

Incompatible Majors: BA in fashion

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in fashion can help students as they pursue careers in fashion history, fashion industry business practices and fashion production.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu
ART 102
herbergeradvising@asu.edu
480-965-8521

## Film and Media Production Minor (FAFMPMIN)

**Campus:** Tempe

**Description:** Students pursuing the film and media production minor study the basic production processes of film while learning about the history and practices of the film and media industry as well as the cultural value of cinema, television and digital media.

**Program Requirements:**
The school offers a minor in film and media production, consisting of 18 credit hours of coursework. A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met. Transfer students may transfer up to six credit hours toward the minor.

Required Courses -- 12 credit hours
FMP 201: Film: The Creative Process I (HU) OR FMP 210: Principles of Filmmaking (3)
FMP 250: Sex and Violence in Film and TV: Ethics Survey (3)
FMP 280: Introduction to Film and Media Production (3)
FMP 403: Independent Film (HU) (3)

Upper Division Film Electives -- 6 credit hours
FMP 300: Short Film Production (3)
FMP 315: Sound Design for Film and Media I (3)
FMP 320: Film and Media Post-Production II (3)
FMP 325: Intermediate Visual Effects Compositing (3)
FMP 330: Professional and Technical Writing for Film/TV Industry (3)
FMP 335: Careers in Film and Media Industry (3)
FMP 340: Approaches to International Cinema (HU & G) (3)
FMP 345: Cinematography I (3)
FMP 350: Directing for Documentary Media (3)
FMP 355: Transborder Digital Media Making (3)
FMP 360: The Filmmaker's Voice (3)
FMP 361: Writing the Short Film (3)
FMP 365: Developing a Series (3)
FMP 370: Producing for Film and Media (3)
FMP 380: Film Production Crew (1)
FMP 394: Livestream Production Workshop (3)
FMP 395: Combat in Film (SB & H) (3)
FMP 403: Independent Film (HU) (3)
FMP 405: Film and Television: Pioneers, Practices and Innovations (3)
FMP 411: Welcome to Hollywood (3)
FMP 415: Sound Design for Film and Media II (3)
FMP 417: Business and Legal Practices in Entertainment (3)
FMP 420: Film and Media Post-Production III (3)
FMP 445: Cinematography II (3)
FMP 461: Advanced Screenwriters Workshop (3)
FMP 465: Series Writers Workshop (3)
FMP 475: Producing Series (3)
FMS 309: Intermediate Screenwriting (3)
FMS 409: Advanced Screenwriting (3)
IAP 364: Documentaries (3)
THE 421: Shakespeare: Stage and Film (L or HU) (3)
THP 351: Arts Management (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in film (filmmaking practices); BA in film (film and media production); BFA in film (film and media production)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** A minor in film is an excellent addition to a variety of degrees and allows students to pursue their passions while also expanding their marketability within a competitive and growing media industry.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Sidney Poitier New American Film School

https://film.asu.edu/
GHALL 232
filmadmissions@asu.edu
480-727-7132

## Film and Media Studies Minor (LAFMSMIN)

**Campus:** Tempe, Online

**Description:** The film and media studies minor is useful for students who want to explore the critical and creative study of film and media. Students can opt to study a range of courses that emphasize media and society, media industries, styles and genres and screenwriting.

ASU's Department of English has an extensive internship program, offering placements in publishing, media and marketing, government, nonprofits and film festivals. The department also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

**Program Requirements:**
The film and media studies minor consists of 18 credit hours. At least 12 credit hours must be upper division, with a minimum of six upper-division credit hours from courses offered by the Department of English in The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours
FMS 100: Introduction to Film and Media Studies (HU) (3)
FMS 200: Film and Media History ((L or HU) & H) (3)
FMS 300: Television Studies (L or HU) (3)

Electives -- 9 credit hours
FMS Upper Division Elective (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in film (film and media studies); BA in film (film and media production)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in film and media studies can help students as they pursue careers in film, television and digital media.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## Food and Nutrition Entrepreneurship Minor (ECFNTRMIN)

**Campus:** Downtown Phoenix

**Description:** The food and nutrition entrepreneurship minor is available to any ASU student interested in developing a greater understanding of

nutrition, the food industry and food service operations. Students gain basic knowledge and skills that can be used toward starting and managing their own business in the food industry.

**Program Requirements:**
The minor requires a total of 19 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.

Required Courses -- 19 credit hours
NTR 100: Introduction to Nutrition Science or NTR 241: Human Nutrition (3)
NTR 142: Applied Food Principles (3)
NTR 343: Food Service Purchasing (3)
NTR 344: Nutrition Management and Leadership (L) or NTR 360: Nutrition Entrepreneurship (3)
NTR 351: Nutrition Communication (L) or NTR 448: Community Nutrition (L) (3)
NTR 445: Management of Food Service Systems (4)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in dietetics, BS in food and nutrition entrepreneurship, BAS in food and nutrition entrepreneurship, BS in nutritional science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Graduates with a minor in food and nutrition entrepreneurship have additional knowledge in nutrition basics and leadership which is of benefit to a career in restaurant management or food marketing.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/ECFNTRMIN/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## Forensic Science Minor (ASFOREMIN)

**Campus:** West

**Description:** Forensic science encompasses the application of a diverse range of specialties to the legal system.

A minor in forensic science from the School of Mathematical and Natural Sciences equips students with a fundamental understanding of the basic principles of forensic science, modern laboratory practices, evidence-based critical thinking, and comprehensive knowledge of the ethical and practical considerations involved in case reports and testimony in this field. Additionally, electives within the minor offer the opportunity to explore the specific forensic applications associated with any particular major or chosen career path. As such, this minor prepares students for a wide variety of potential applications of their degree in a suite of diverse employment opportunities that are in high demand.

**Program Requirements:**
The minor in forensic science consists of 15 credit hours. A minimum of nine upper-division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00 on a 4.00 scale) or better.

Core Requirements -- 11 credit hours
FOR 286: Principles of Forensic Science (4)
FOR 370: Fundamentals of Forensic Analysis (4)
FOR 410: Testimony and Ethics in the Forensic Sciences (L) (3)

Upper Division Electives -- 4 credit hours

Choose 1-3 courses to complete at least four credit hours of upper-division electives.
FOR 350: Computer Forensics (3)
FOR 377: Forensic Analytical Chemistry Laboratory (2)
FOR 380: Analysis of Nonhuman Forensic DNA Evidence (3)
FOR 394: Forensic Botany (4)
FOR 394: Introduction to Forensic Anthropology (3)
FOR 400: Comparative Forensics (3)
FOR 401: Forensic Toxicology (3)
FOR 402: Forensic Biology (3)
FOR 403: Comparative Forensics Laboratory (1)
FOR 404: Forensic Toxicology Laboratory (1)
FOR 405: Techniques in Forensic Biology Laboratory (1)
FOR 414: Fundamentals of Forensic Entomology (4)
FOR 447: Molecular Genetics Laboratory (1)
FOR 475: Principles of Toxicology (3)
FOR 480: Advanced Topics in Human Forensic DNA Typing (3)
FOR 494: Forensic Chemistry (3)
FOR 494: Forensic Chemistry Lab (1)
FOR 494: Human Osteology and Forensic Techniques (4)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in forensic science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Global Opportunities:**
Global Experience: Students can learn about science and law enforcement in other countries through study abroad (https://goglobal.asu.edu/). Being immersed in another culture broadens horizons and develops professional skills such as cross-cultural communication and critical thinking.

**Career Opportunities:** Scientific and technological advances in the field of forensic science as well as continually increasing caseloads in law enforcement are projected to increase the number of forensic science technicians needed over the next decade. The U.S. Bureau of Labor Statistics estimates that between 2016 and 2026, employment of forensic science technicians will increase 17%, an average increase much greater than in most occupations.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Interdisciplinary Forensics
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASFOREMIN/undergrad/true/177
FAB N101
sifadvising@asu.edu
602-543-3000

## French Minor (LAFREMIN)

**Campus:** Tempe

**Description:** Students pursuing a minor in French gain an understanding of the language, literature and cultures of French-speaking peoples and regions.

Students are encouraged to participate in a study abroad program (https://silc.asu.edu/silc-studyabroad) to enhance their education and overall minor experience.

**Program Requirements:**
The French minor requires 18 credit hours, of which 15 must be upper division. Three credit hours of FRE 200-level coursework may be applied to the French minor. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better. Course substitutions are allowed for heritage and advanced speakers of the language with approval from an academic advisor in the School of International Letters and Cultures.

Required Courses -- 18 credit hours
FRE 202: Intermediate French II (G) or FRE 210: Intensive French II (G) (3)
FRE 305: Readings in French Literature (G) (3)
FRE 311: Oral and Written Expression I (G) (3)
FRE 312: Oral and Written Expression II (G) (3)
FRE 321: French Cultural Masterpieces I ((L or HU) & H) or FRE 322: French Cultural Masterpieces II (L or HU) (3)
FRE Upper Division Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in French

Other Enrollment Requirements: None

Students who wish to add a minor in French to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in French studies can help students with communication and cultural competency skills as they pursue careers, including in political analysis, sociology and marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-french-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Gender, Women and Sexuality Studies Minor (ASWSTMIN)

**Campus:** West

**Description:** The minor program in gender, women and sexuality studies examines the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas.

The program combines interdisciplinary topics and methods to critically analyze, unpack and address how relations of gender are embedded in and connected to social, political and cultural transformations. The intellectual core draws from theories, methods and teachings in women and gender studies while engaging complementary fields of social justice, cultural studies, sexuality studies, queer studies, literature, history, sociology, psychology, oral history, ethnicity, race and indigenous studies, and transnational studies.

**Program Requirements:**
The minor in women and gender studies consists of 18 credit hours. A minimum of 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken from courses offered by the School of Humanities, Arts, and Cultural Studies. Elective courses should be chosen in consultation with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)
WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Electives -- 12 credit hours
AMS 334 / ETH 333 / WST 334: Class in America (SB) (3)
ENG 336 / WST 330: Women, Film and Culture (SB & C) (3)

ENG 364: Women and Literature (HU) (3)
ENG 443 / WST 415: Gender, Culture and Literacy (3)
ENG 454 / WST 454: Gender and Literature (L or HU) (3)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)
LAS 340 / WST 341: Latin American Women Writers (HU & G) (3)
WST 220: Gender, Media and Culture (HU & C) (3)
WST 333: Critical Perspectives on Sexuality (SB & C) (3)
WST 370: Chronicling Women's Lives (HU & C) (3)
WST 376: Feminist Theory (H & C) (3)
WST 380: Race, Gender, and Class (SB & C) (3)
WST 390 / REL 390: Women, Gender and Religion (HU & G) (3)
WST 428: Gender, Madness and Justice (SB) (3)
WST 430: Gender on the Borderlands (SB & G) (3)
WST 433 / ETH 433: Race and Sexualities in Social Justice Movements (3)
WST 444: Gender, Health, and Bodies (SB) (3)
WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)
WST 457: Women, Cultures, and Societies (SB & G) (3)
WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)
WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)
WST Upper Division Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in social and cultural analysis (women and gender studies); BA in gender, women and sexuality studies; BS in gender, women and sexuality studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** This program prepares students for graduate study or a variety of fields including business, health care, criminal justice, social services, education, public relations, nonprofits, community development, public policy and government. Possible careers include community health workers, secondary school teachers, human resource managers, probation officers, social and community service managers, writers and workers in academia.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASWSTMIN/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Gender, Women and Sexuality Studies Minor (LAWSTMIN)

**Campus:** Tempe, Online

**Description:** The minor in gender, women and sexuality studies is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts. The curriculum leads students to explore ideas about gender and understand how these ideas have been transformed by feminist theory.

**Program Requirements:**
The gender, women and sexuality studies minor consists of 18 credit hours, of which at least 12 must be upper division. A minimum grade of "C" (2.00 on a 4.00 scale) is required for all courses in the minor.

Required Core Course -- 3 credit hours
WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Elective Core Courses (choose one) -- 3 credit hours

WST 377: History of American Feminist Thought (H & C) (3)
WST 378: Global Feminist Theory (L & G) (3)
WST 380: Race, Gender, and Class (SB & C) (3)

Electives -- 12 credit hours
WST Elective (3)
WST Upper Division Elective (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in social and cultural analysis (women and gender studies); BS and BA in women and gender studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Graduates with the knowledge and skills acquired through the minor in gender, women and sexuality studies can bring social justice concerns to a variety of professional careers, including law, education, public service, and human welfare and social work.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Geography Minor (LAGCUMIN)

**Campus:** Tempe, Online

**Description:** The geography minor, rooted in a foundation of cultural and physical geography, encourages students to explore intersections of place and space. Students gain a unique understanding of the modern world from both the local and global perspectives and gain a deeper understanding of how humans impact landscapes.

**Program Requirements:**
The minor in geography requires a minimum of 19 credit hours, of which at least 12 credit hours must be upper division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Cultural Geography (choose one) -- 3 credit hours
GCU 102: Introduction to Human Geography (SB & G) (3)
GCU 121: World Geography (SB & G) (4)
GCU 241: The Global Economy in Transition (SB & G) (3)

Physical Geography -- 4 credit hours
GPH 111: Introduction to Physical Geography (SQ) (3)
GPH 112: Introduction to Physical Geography Lab (SQ) (1)

Upper-Division Electives -- 12 credit hours
GPH OR GCU OR GIS Upper Division Elective (12)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in geography; BS in geography (urban studies); BS in geography (meteorology-climatology)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor in geography helps make students stronger candidates for positions that require an understanding of the Earth's surface, including landforms, water, plants, weather and people --- and the interactions that take place among those elements. This understanding can be valuable in a variety of careers and fields, including:

- business
- city and urban planning
- community outreach
- government agencies
- marketing
- nonprofits
- sustainability
- tourism

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/minor/minor-geography-minor
COOR 5681
SGSUP.advising@asu.edu
480-965-7533

## Geological Sciences Minor (LAGLGMIN)

**Campus:** Tempe

**Description:** The geological sciences minor is designed for students interested in developing a basic understanding of earth science and analyzing issues through a scientific viewpoint.

**Program Requirements:**
The minor in geological sciences consists of 21 credit hours, of which at least 13 credit hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 15 credit hours
GLG 101: Introduction to Geology I (Physical) (SQ) (3)
GLG 103: Introduction to Geology I: Laboratory (SQ) (1)
GLG 102: Introduction to Geology II (Historical) (SG & H) (3)
GLG 104: Introduction to Geology II-Laboratory (SG) (1)
GLG 310: Structural Geology (3)
GLG 321: Mineralogy (3)
SES 401: Earth and Space Exploration Colloquium (1)

GLG Upper Division Electives -- 6 credit hours
GLG Upper Division Elective (6)
Courses in other related subjects may be approved by an academic advisor in the School of Earth and Space Exploration. Students should receive approval for substitutions prior to registration.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in earth and environmental studies; BS in earth and space exploration (astrobiology and biogeosciences); BS in earth and space exploration (geological sciences)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** A minor in geological sciences can help students advance their career options with marketable skills that align with their major areas of study, such as sustainability, civil and construction engineering, forestry and resource management.

The geological sciences minor provides a solid background in earth materials and processes that are fundamental to careers in environmental engineering and planning, science education, hydrogeology, water resources, scientific publishing, and careers in many other government and nongovernmental agencies.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-advising@asu.edu
480-965-5081

## German Minor (LAGERMIN)

**Campus:** Tempe

**Description:** Students pursuing a minor in German gain an understanding of the language, literature and cultures of German-speaking peoples and regions.

Students are encouraged to participate in a study abroad program (https://silc.asu.edu/silc-studyabroad) to enhance their education and overall minor experience.

**Program Requirements:**
The German minor requires 18 credit hours, of which 15 must be upper division. Three credit hours of GER 200-level coursework may be applied to the German minor. Course substitutions are allowed for heritage and advanced speakers of the language. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

GER 200-Level Coursework (choose one) -- 3 credit hours
GER 201: Intermediate German I (G) (4)
GER 202: Intermediate German II (G) (4)
GER 210: Intensive German II (G) (6)
Three credit hours of 200-level coursework will be applied to the minor and any additional credit hours earned will be applied toward university elective hours.

Required Courses -- 6 credit hours
GER 312: Explore German Culture (G) (3)
GER 420: Discover - Discuss - Design: German Language and Culture (L or HU) (3)

Choose two courses -- 6 credit hours
GER 310: Making Sense of German Grammar (G) (3)
GER 311: Express Yourself in German (G) (3)
GER 313: Create in German: Writing, Speaking, Performing (G) (3)
GER 319: Work with German (G) (3)

Upper Division GER Electives -- 3 credit hours
GER Upper Division Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in German

Other Enrollment Requirements: None

Students who wish to add a minor in German to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in German studies helps students with communication and cultural competency skills as they pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-german-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Global Health Minor (LASSHMIN)

**Campus:** Tempe, Online

**Description:** The minor in global health is a transdisciplinary program designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved.

Global health is understood in the anthropological sense, that is ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time and that can integrate knowledge of the social, historical, biological and ecological dimensions of health.

**Program Requirements:**
The minor in global health is comprised of 18 credit hours, at least 12 of which must be upper division. A minimum grade of "C" (2.00 on a scale of 4.00) is required for courses used toward the minor. This minor is also available in an online format to complement the studies of ASU Online students.

Required Core Course -- 3 credit hours
ASB 100: Introduction to Global Health (SB & G) (3)

Upper-Division Core Electives (choose three) -- 9 credit hours
AFR 383: Blacks in Science, Medicine and Public Health (3)
ASB 300 / SSH 300: Food and Culture ((L or SB) & C) (3)
ASB 301 / HST 301 / SSH 301: Global History of Health (SB & G & H) (3)
ASB 305: Poverty and Global Health ((L or SB) & G) (3)
ASB 316: Money and Culture (L or SB) (3)
ASB 327: Disaster! ((L or SB) & C) (3)
ASB 355: Traditional Medicine and Healing (HU or SB) (3)
ASB 357: Society, Drugs and Health (SB & G) (3)
ASB 370 / SOS 370: Ethics of Eating (L or SB) (3)
ASB 376: Global Health Policy (3)
ASB 378 / TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) (3)
ASB 457: Global Mental Health ((L or SB) & G) (3)
ASB 462: Medical Anthropology: Culture and Health (SB & C) (3)
ASM 345: Disease and Human Evolution (3)
ASM 401: Health and Human Biology (3)
ASM 403 / BIO 403: Evolutionary Medicine and Global Health (3)
ASM 414: Urban, Environmental and Health Challenges (SB) (3)
ASM 456: Infectious Disease and Human Evolution (3)
HPS 331 / BIO 318: History of Medicine (HU & H) (3)

HST 304: Black Death:Pandemic Disease in the Medieval World (3)
MIC 314 / SSH 314: HIV/AIDS: Science, Behavior, and Society (3)
NTR 348: Cultural Aspects of Food (SB & C & G) (3)
NTR 450: Nutrition in the Life Cycle (SB) (3)
SGS 340: Violence, Conflict and Human Rights (3)
SGS 350: Economic Development and Globalization (3)
SOC 424: Women and Health (SB) (3)
SOC 427: Sociology of Health and Illness (SB) (3)
TCL 323: Latina/o Health Issues (SB & C) (3)
TCL 326: Health of Chicanas and Latinas (SB & C) (3)
TCL 327: Health and Migration (SB) (3)
TCL 410 / SOC 410: Race, Medicine, and the Body (L) (3)
TCL 447 / SGS 454 / SOS 447 / WST 447: Gender, Culture, and Development ((L or SB) & G) (3)
WST 360: Women as Healers (SB & G) (3)
WST 365: Women and International Health (G) (3)
WST 380 / AMS 380 / ETH 380: Race, Gender, and Class (SB & C) (3)
WST 440: Politics of Women's Health (SB & C) (3)
WST 444: Gender, Health, and Bodies (SB) (3)

Study Abroad Experience -- 6 credit hours
SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) or students choose another approved global health study abroad experience (summer session, six credits minimum) (6)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in global health

Other Enrollment Requirements:

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with specific skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations such as migrants, minorities and those living in poverty, and many of these jobs are directly or indirectly related to health.

**Contact Information:**

Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

## Global Studies Minor (LASGSMIN)

**Campus:** Tempe, Online

**Description:** The minor program in global studies offers students exposure to global processes and institutions from a transdisciplinary perspective. The program aims to provide students with an introduction to the tools and skills necessary to make connections linking theory with challenging global issues.

**Program Requirements:**
The minor in global studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken in courses offered by The College of Liberal Arts and Sciences. Only courses completed with a grade of "C" (2.00 on a scale of 4.00) or better can be used to satisfy minor requirements.

Required Courses -- 6 credit hours
SGS 101: Thinking Globally (SB & G) or SGS 301: Principles of Global Studies (G) (3)
SGS 303: Global Trends (SB & G) (3)

Electives -- 12 credit hours
SGS Elective (3)
SGS Upper Division Elective (9)

A maximum of three credit hours of SGS 484 International Experience or three credit hours of SGS 499 Individualized Instruction may be applied to the minor.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in global studies

Other Enrollment Requirements: None

An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in global studies can help students as they pursue careers in diplomacy and international relations, international sales or marketing, or international trade.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/
COOR 6797
spgs-ugadvising@asu.edu
480-965-8563

## Health Care Compliance and Regulations Minor (NUHCCRMIN)

**Campus:** Downtown Phoenix, West

**Description:** The minor program in health care compliance and regulations integrates best practices from the business, regulatory, ethics and engineering fields as well as from the medical industry. Students acquire the foundational and advanced knowledge that is required for support of regulatory compliance in a health-focused environment, and the minor's focus on regulatory and ethical compliance enhances a student's major discipline.

**Program Requirements:**
A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 16 credit hours
HCR 259: Compliance and the Health Care Industry (4)
HCR 264: Regulatory Essentials of Compliance Program Design I (3)
HCR 360: Data Security and Privacy in Health Care Compliance (3)
HCR 362: Monitoring and Auditing for Health Care Compliance (3)
HCR 460: Investigations and Disclosures in Health Care Compliance (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in health care compliance and regulations

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students pursuing a minor find that the course in a minor complement and enhance the skill sets and knowledge acquired while pursuing their major program. Although most career areas require more training than a minor can provide, students pursuing the health care compliance and regulations minor often pursue a career on the administrative side of health care organizations.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/minors
MERCC 250
EdsonCollege.Advising@asu.edu
602-496-0888

## Health Care Coordination Minor (NUHCCOMIN)

**Campus:** Downtown Phoenix, West

**Description:** A minor in health care coordination allows students to combine the knowledge of their major discipline with the foundational and advanced concepts of health care coordination.

Students completing this innovative minor have the knowledge that enables them to navigate the health care system and assist in the coordination of health care for individuals and families and to optimize outcomes.

**Program Requirements:**
A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 18 credit hours
HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) (3)
HCR 221: Foundational Concepts for Health Care Coordination (3)
HCR 302: Social Determinants of Health (3)
HCR 321: Advanced Concepts for Health Care Coordination (3)
HCR 420: Professional Role Development: Health Care Coordination (3)
HCR 422: Policy and Financial Principles in Health Care Coordination (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in health care coordination

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students pursuing a minor find that the courses in a minor complement and enhance the skill sets and knowledge acquired while pursuing their major program. Although most career areas require more training than a minor can provide, students completing the health care coordination minor often pursue employment in an organization focused on health care.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/minors
MERCC 250
EdsonCollege.Advising@asu.edu
602-496-0888

## Health Innovation Minor (NUHCIMIN)

**Campus:** Downtown Phoenix, West

**Description:** The health innovation minor provides students with the foundational concepts necessary for them to contribute to transformational change in real-world health situations. This program gives students an understanding of entrepreneurial thinking and of initiating, implementing and sustaining innovation in health settings.

**Program Requirements:**
A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Course -- 3 credit hours
HCI 311: Health Innovation: Foundational Concepts (3)

Electives (select four) -- 12 credit hours
HCI 150: Introduction to Health Innovation (3)
HCI 250: Health Entrepreneurship and Value Creation (3)
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing (3)
HCI 344: Management and Leadership in Health Organizations (3)
HCI 412: Transforming Health Care: A Systems Perspective for Innovation (3)
HCI 421: Health Care Policy: The Innovator's View (3)
HCI 425: Facilitating Innovation to Achieve Outcomes (3)
HCI 428: Technology: A Tool to Advance Innovation in Health Care (3)
HCI 494: Special Topics (3)
Notes: Any 3 credit hour topic will count towards the minor.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in health innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Although most career areas require more training than a minor can provide, students completing the health innovation minor often pursue employment in an organization focused on health care and utilize their skills to help impact change within the organization.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/minors
MERCC 250
EdsonCollege.advising@asu.edu
602-496-0888

## History Minor (ASHISMIN)

**Campus:** West

**Description:** Students in the history minor are exposed to a broad span of history, both temporally and geographically, ranging from the ancient world through the modern period.

The program is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**
The minor in history consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students wishing to pursue the minor should meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses used to satisfy requirements for the minor must be passed with a grade of "C" (2.00) or better.

History Survey Requirements -- 6 credit hours
Choose one of the following survey sets. If choosing to complete the European History/Western Civilization survey, complete two of three courses.
HST 100: Global History to 1500 (HU & H & G) AND HST 101: Global History Since 1500 (HU & H & G) (6)
HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H) or HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H) or HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H) (6)
HST 109: United States to 1865 ((HU or SB) & H) AND HST 110: United States Since 1865 (SB & H) (6)

Upper-Division History Electives -- 9 credit hours
HST Upper Division Elective (9)

History Capstone Course -- 3 credit hours
HST 495: Methods of Historical Inquiry (L) (3)
Students must complete a minimum of six upper-division credit hours in History before enrolling in HST 495.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in history

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Graduates of this minor are prepared for graduate study, for professional degree programs and for careers in which critical thinking, research and writing skills are highly valued, such as journalism, editing, law and civil service.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASHISMIN/undergrad/true/177

FAB N101
harcsadvising@asu.edu
602-543-3000

## History Minor (LAHISMIN)

**Campus:** Tempe, Online

**Description:** Students who pursue the minor in history study the growth and development of human society from all aspects: political, social, economic and cultural. The program covers the history of the United States, Europe, Asia, Latin America and Africa. By providing an understanding of how the various regions of the world developed, the minor in history enables students to understand today's complex world.

**Program Requirements:**
The history minor consists of 18 credit hours of coursework, at least 12 of which must be upper division. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses in the minor. A minimum of six upper-division credit hours must be in courses offered by The College of Liberal Arts and Sciences.
The minor in history is available to students in both on campus and ASU Online degree programs. ASU Online students choose courses from the designated track lists below.

Lower-Division Core Survey Courses (choose two) -- 6 credit hours
HST 100: Global History to 1500 (HU & H & G) (3)
HST 101: Global History Since 1500 (HU & H & G) (3)
HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H) (3)
HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H) (3)
HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H) (3)
HST 106: Asian Civilizations ((HU or SB) & G & H) (3)
HST 108: Introduction to Japan (SB & G & H) (3)
HST 109: United States to 1865 ((HU or SB) & H) (3)
HST 110: United States Since 1865 (SB & H) (3)
HST 111: Introduction to Asia (HU & H & G) (3)
HST 230: Introduction to Jewish Civilization (HU & H & G) (3)

Geographic Focus Courses (choose one course from each geographic area) -- 9 credit hours

Upper-Division Courses in African, Asian or Latin American History (choose one)
HST 302: Envisioning Peace (3)
HST 302: Gender and Sexuality in Islam (3)
HST 302: Slavery Systems in Africa (3)
HST 303: Studies in Asian History (3)
HST 305: Studies in Latin American History (3)
HST 307: Studies in African History (3)
HST 324: Food in Latin America (SB & G & H) (3)
HST 336: Islamic Civilization (HU & H) (3)
HST 339: Islam in the Modern World (HU & G) (3)
HST 372: Modern Middle East (SB & G & H) (3)
HST 375: Colonial Latin America (SB & H) (3)
HST 376: Modern Latin America (SB & G & H) (3)
HST 383: China (SB & H) (3)
HST 384: Modern China: 1700 to the Present (SB & G & H) (3)
HST 386: Interpreting China's Classics ((L or HU) & H) (3)
HST 387: Japan ((L or SB) & H) (3)
HST 388: Japan (SB & G & H) (3)
HST 389: Japan Society and Values/Premod (3)
HST 391: Modern Southeast Asia (SB & G & H) (3)
HST 392: Modern India (3)
HST 404: Conquest and Encounters in Colonial Latin America (L & G) (3)
HST 435: The Russian Empire (SB & H) (3)
HST 436: Rise & Fall of Soviet Communism (SB & G & H) (3)
HST 441: Latin America and the World Economy (L & G & H) (3)
HST 443: The United States and Latin America (SB & G & H) (3)
HST 444: Latin American Independence ((L or HU) & G) (3)
HST 445: 20th-Century Cuba (SB & G & H) (3)
HST 447: Modern Mexico (SB & H) (3)
HST 451: Chinese Cultural History I ((HU or SB) & H) (3)
HST 452: Chinese Cultural History II (SB & G & H) (3)

HST 456: The Vietnam War (SB & G & H) (3)
HST 459: Gandhi and the Politics of Nonviolence (3)

Upper-Division Courses in European History (choose one)
HST 304: Studies in European History (3)
HST 309: Exploration and Empire ((L or HU) & H) (3)
HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) (3)
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) (3)
HST 348: Rome (SB & H) (3)
HST 349: Early Middle Ages ((HU or SB) & H) (3)
HST 350: Later Middle Ages ((HU or SB) & H) (3)
HST 351: Renaissance Europe ((L or HU or SB) & H) (3)
HST 352: Europe's Reformations ((L or HU or SB) & H) (3)
HST 353: Old Regime in Europe (SB & H) (3)
HST 354: Revolutionary Europe (SB & H) (3)
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)
HST 356: Europe since 1945 (SB & G & H) (3)
HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)
HST 361: Witchcraft and Heresy in Europe ((L or HU) & H) (3)
HST 362: Sex and Society in Classical and Medieval Europe (SB & H) (3)
HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H) (3)
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)
HST 365: World Wars I and II: Europe's Eastern Front (3)
HST 366: England to 1689 (SB & H) (3)
HST 367: From Empire to Brexit: Modern Britain (SB & H) (3)
HST 368: Culture and Imagination in European History (HU & H) (3)
HST 369: History and Memory of the Holocaust (3)
HST 370: Eastern Europe in Transition (SB & G & H) (3)
HST 373: Roman History I: Foundations and Republic (3)
HST 374: Roman History II: The Roman Empire (HU & H) (3)
HST 397: Greece and Rome at War (3)
HST 423: The Tudor Monarchy (SB & H) (3)
HST 424: The Stuart Monarchy (SB & H) (3)
HST 426: The British Empire (H) (3)
HST 427: French Revolution/Napoleonic Era (SB & H) (3)
HST 429: Modern Germany (SB & G & H) (3)
HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)
HST 435: The Russian Empire (SB & H) (3)
HST 436: Rise & Fall of Soviet Communism (SB & G & H) (3)
HST 438: Modern Spain ((HU or SB) & G & H) (3)
HST 439: Athenian Democracy (H) (3)
HST 465: Women in Europe, 1750 to Present ((HU or SB) & H) (3)

Upper-Division Courses in U.S. History (choose one)
HST 300: Experience of America's Modern Wars (H) (3)
HST 306: Studies in United States History (3)
HST 314: American Cultural History Since 1865 ((HU or SB) & H) (3)
HST 315: Political History of the U. S. (SB & H) (3)
HST 316: 20th-Century U.S. Foreign Relations (SB & H) (3)
HST 317: History of Postwar U.S. Conservatism (3)
HST 318: History of Engineering ((L or SB) & G) (3)
HST 320: U.S. Urban History since 1850 (SB & H) (3)
HST 321: Constitutional History/US to 1865 (SB & H) (3)
HST 322: Constitutional History of the United States Since 1865 (H) (3)
HST 323: Historical Studies in Race, Crime, and the Law (3)
HST 325: Immigration and Ethnicity in the United States (SB & H & C) (3)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) (3)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)
HST 329: Women in 20th-Century U.S. West (H & C) (3)
HST 331: Mexican American History to 1900 (SB & H & C) (3)
HST 332: Mexican American History Since 1900 (SB & H & C) (3)
HST 333: African American History to 1865 (SB & H & C) (3)

HST 334: African American History Since 1865 ((HU or SB) & C & H) (3)
HST 335: History of Black Women in America (SB & H) (3)
HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)
HST 338: American Indian History since 1900 ((HU or SB) & C & H) (3)
HST 340: American Military History (SB & H) (3)
HST 341: U.S. West 19th Century (SB & H) (3)
HST 342: U.S. West 20th Century (SB & H) (3)
HST 343: American Southwest ((L or SB) & H) (3)
HST 344: Arizona (SB & H) (3)
HST 345: Environmental History (L) (3)
HST 377: Sports in United States History ((HU or SB) & H) (3)
HST 379: History of College Sports (3)
HST 405: Colonial American History to 1763 (SB & H) (3)
HST 406: American Revolution/1763-1789 (SB & H) (3)
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H) (3)
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)
HST 409: Emergence Modern U.S. 1877-1918 (SB & H) (3)
HST 412: Contemporary U.S., 1973- Present (SB & H) (3)
HST 413: Contemporary America ((L or SB) & H) (3)
HST 414: Political History and Leadership (3)
HST 419: 20th Century Chicano/a History (C) (3)
HST 443: The United States and Latin America (SB & G & H) (3)
HST 448: Mexican/U.S. Border (3)
HST 449: Mexican Immigration to the U.S. ((L or SB) & H & C) (3)
HST 456: The Vietnam War (SB & G & H) (3)

Elective -- 3 credit hours
HST Upper Division Elective (3)

ASU Online Minor Requirements

ASU Online Lower-Division Core Survey Courses (choose two) -- 6 credit hours
HST 100: Global History to 1500 (HU & H & G) (3)
HST 101: Global History Since 1500 (HU & H & G) (3)
HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H) (3)
HST 109: United States to 1865 ((HU or SB) & H) (3)
HST 110: United States Since 1865 (SB & H) (3)

ASU Online Geographic Focus Courses (choose one course from each geographic area) -- 9 credit hours

ASU Online Upper-Division Courses in African, Asian or Latin American History (choose one)
HST 303: Studies in Asian History (3)
HST 339: Islam in the Modern World (HU & G) (3)
HST 372: Modern Middle East (SB & G & H) (3)
HST 376: Modern Latin America (SB & G & H) (3)
HST 391: Modern Southeast Asia (SB & G & H) (3)
HST 456: The Vietnam War (SB & G & H) (3)

ASU Online Upper-Division Courses in European History (choose one)
HST 304: Studies in European History (3)
HST 309: Exploration and Empire ((L or HU) & H) (3)
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) (3)
HST 352: Europe's Reformations ((L or HU or SB) & H) (3)
HST 354: Revolutionary Europe (SB & H) (3)
HST 361: Witchcraft and Heresy in Europe ((L or HU) & H) (3)
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)

ASU Online Upper-Division Courses in U.S. History (choose one)
HST 300: Experience of America's Modern Wars (H) (3)
HST 306: Studies in United States History (3)
HST 314: American Cultural History Since 1865 ((HU or SB) & H) (3)
HST 318: History of Engineering ((L or SB) & G) (3)
HST 325: Immigration and Ethnicity in the United States (SB & H & C) (3)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) (3)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)
HST 332: Mexican American History Since 1900 (SB & H & C) (3)
HST 334: African American History Since 1865 ((HU or SB) & C & H) (3)
HST 337: American Indian History to 1900 ((HU or SB) & C & H) (3)
HST 338: American Indian History since 1900 ((HU or SB) & C & H) (3)
HST 340: American Military History (SB & H) (3)
HST 345: Environmental History (L) (3)
HST 379: History of College Sports (3)
HST 406: American Revolution/1763-1789 (SB & H) (3)
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H) (3)
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)
HST 413: Contemporary America ((L or SB) & H) (3)
HST 456: The Vietnam War (SB & G & H) (3)

ASU Online Elective -- 3 credit hours
HST Upper Division Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in history; BA in history (secondary education); BAE in secondary education (history)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in history can help students as they pursue careers in many fields, including education, law, public administration, social services, foreign service and communications.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## History Minor (LSHISMIN)

**Campus:** Polytechnic

**Description:** The minor in history focuses on American history, European history, Southwest history, environmental history, the history of technology, the history of engineering and related fields.

**Program Requirements:**
The history minor consists of 18 credit hours. All coursework for the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours
HST Elective (6)
HST Upper Division Elective (12)
Notes: A minimum of six credit hours must be taken in courses offered by the College of Integrative Sciences and Arts.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in history; BA in history of science, ideas and innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in history can help students as they pursue careers in education, historical interpretation and conservation, legal professions, as archivists and curators, or in any position requiring critical thinking, research and writing skills.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## History of Science, Technology and Innovation Minor (LSHSIIMIN)

**Campus:** Polytechnic

**Description:** Science and technology shape every facet of modern human life, but all too frequently the underlying histories and ideas go unexamined. The minor program in the history of science, technology and innovation helps students understand how society reached its present state and helps them reflect on what the future might hold by providing a foundation in the social and intellectual issues central to understanding the intertwined histories of science, technology and ideas.

**Program Requirements:**
The history of science, technology and innovation minor requires 15 credit hours, including a minimum of 12 upper-division credit hours. A minimum of six upper-division credit hours must be taken in courses offered by the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Course -- 3 credit hours
HST 280: History of Science, Technology and Innovation (SB & G & H) (3)

Electives (choose four) -- 12 credit hours
HST 309: Exploration and Empire ((L or HU) & H) (3)
HST 318: History of Engineering ((L or SB) & G) (3)
HST 319: History of Aviation (SB & H) (3)
HST 345: Environmental History (L) (3)
HST 380: Studies in the History of Science (3)
HST 381: Studies in the History of Ideas (3)
HST 382: Studies in the History of Innovation and Technology (3)
HST 482: Writing and the History of Science, Ideas and Technology (L) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00 cumulative GPA

Incompatible Majors: BA in history; BA in history of science, ideas and innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in the history of science, technology and innovation can help students as they pursue careers in education, historical interpretation and conservation, legal professions, compliance and regulation of technology, or in any position requiring critical thinking, research and writing skills.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Human Nutrition Minor (ECNTRMIN)

**Campus:** Downtown Phoenix

**Description:** The minor program in human nutrition focuses on the science behind nutrition. This includes how the body processes nutrients for energy, how nutrients play important roles in health and disease, and how nutritional needs change across the lifespan. This program also includes the medical nutrition therapy sequence, which provides students with a clear understanding of how nutrition can be used in a medical setting to prevent and treat diseases.

**Program Requirements:**
The minor requires a total of 18-19 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.

Required Courses -- 18 credit hours
NTR 241: Human Nutrition (3)
NTR 341: Medical Nutrition Therapy I (3)
NTR 440: Advanced Human Nutrition I (3)
NTR 441: Advanced Human Nutrition II (3)
NTR 444: Medical Nutrition Therapy II (3)
NTR 446: Medical Nutrition Therapy III or NTR 450: Nutrition in the Life Cycle (SB) (3-4)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BAS in food and nutrition entrepreneurship, BS in dietetics, BS in food and nutrition entrepreneurship, BS in nutritional science

Other Enrollment Requirements: In order to enroll in the courses required for the minor, students must complete the following courses:

BCH 361 Advanced Principles of Biochemistry
BIO 201 Human Anatomy and Physiology I
BIO 202 Human Anatomy and Physiology II
CHM 101 Introductory Chemistry
CHS 260 Health Professions Terminology

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Knowledge obtained from this minor is useful for careers in the life sciences, biology, medicine, public health and health policy. Graduates with a minor in human nutrition have enhanced knowledge of how food is digested and metabolized in the body. This information is valuable for those pursuing careers in the health and medical field.

**Contact Information:**
Health Solutions, College of
College of Health Solutions

https://chs.asu.edu/undergraduate-certificates/majorinfo/ECNTRMIN/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## Human Systems Engineering Minor (ESHSEMIN)

**Campus:** Polytechnic, Online

**Description:** The minor in human systems engineering in the Ira A. Fulton Schools of Engineering provides students with an understanding of the science of human performance and with experience using methods and tools that will enable them to apply their understanding to design and problem-solving. These skills can be used in a wide variety of domains, such as product usability, learning design, sports performance, and workplace and hospital safety.

**Program Requirements:**
The minor requires 21 credit hours. All required minor courses must be passed with a "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 18 credit hours
HSE 101: Introduction to Human Systems Engineering (SB) (3)
HSE 225: Human Systems Integration (3)
HSE 230: Statistics for Human Systems Research I (CS) (3)
HSE 290: Experimental Methods for Human Systems Research (L) (3)
HSE 323: Perceptual Systems (SB) or HSE 324: Applied Cognitive Science (SB) (3)
HSE 325: Human-Computer Interaction (3)

Elective Course -- 3 credit hours
HSE 422: Human Factors in Sport (3)
HSE 423: Human Factors in Transportation (3)
HSE 424: Human Automation Interaction (3)
HSE 425: Human Factors in Medical Systems (3)
HSE 426: Training and Expertise (3)
HSE 427: Designing for Learning (3)
HSE 428: Judgment and Decision Making (3)
HSE 429: Product Design and Evaluation (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in human systems engineering

Other Enrollment Requirements: None

Students should consult with an advisor in The Polytechnic School to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should go to the advising website (https://fultonapps.asu.edu/advising).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult with their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A broad range of professions need experts in human factors to work on problems that involve an understanding of human performance, in areas that include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, health psychology, learning optimization, social cognition, threat detection and sports psychology.

The human systems engineering minor prepares students for industry and government careers. Graduates may work as a member of a design team for a product or system in positions such as:

- game designer
- human factors engineer
- human systems integrator
- interface designer
- user experience designer
- usability engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/hse/
WANER 240J
polyadvising@asu.edu
480-727-1874

## Innovation in Society Minor (FIFISMIN)

**Campus:** Tempe, Online

**Description:** The minor in innovation in society equips students with the tools needed for analyzing how science, technology and other social forces shape the present and future.

Students cultivate the critical thinking skills they need in order to develop creative strategies that steer innovation toward the needs and values of society. They are trained to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can develop proposals for how to build better futures. This enables students to understand the broader context of their major and helps them mesh those studies with other disciplines to develop more encompassing solutions to important problems.

**Program Requirements:**
Required Courses -- 15 credit hours
FIS 111: Welcome to the Future (3)
FIS 201: Innovation in Society (H) (3)
FIS 305: Ways of Knowing (L) (3)
FIS Upper Division Elective (3)
FIS Upper Division Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA innovation in society, BS innovation in society

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Career Opportunities:** Completing this minor can help students bring about positive change in a diverse workforce. The unique knowledge and skills gained from this program enhance a student's bachelor's degree and career opportunities. The minor can complement any career path in a variety of sectors, including business, technology, science, education or government.

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/undergrad/minor/
WCPH 400LT
cgfadvising@asu.edu
480-727-6963

# Instructional Design Minor (TELDTMIN)

**Campus:** Online

**Description:** The curriculum of the minor in instructional design is grounded in modern learning theory and design. Coursework addresses a variety of components within the field of learning design including foundations of instructional design, theory and design of digital learning, and digital learning evaluation.

All courses are taught online and combine a range of resources and technologies to facilitate direct interaction between students, program faculty and classmates.

This program culminates with an internship in which students create and present a project that demonstrates their knowledge of instructional design by applying it in a professional context. Students work with an organization to identify an instructional need, problem or performance gap, and then they develop and deploy a solution to be delivered in an online or blended format.

This minor does not lead to teacher certification. Students seeking teacher certification should enroll in one of the other Mary Lou Fulton Teachers College undergraduate programs.

**Program Requirements:**
Required Courses -- 12 credit hours
LDT 301: Foundations of Instructional Design (3)
LDT 320: Digital Learning Theories (3)
LDT 330: Design of Digital Learning (3)
LDT 410: Assessment and Evaluation for Digital Learning (3)

Required Internship -- 3 credit hours
LDT 484: Internship (3)
The required internship LDT 484 is a Session C 15-week course. Students must secure an approved ASU work or volunteer placement for the internship.  It is recommended that this be secured three months before the start of your internship.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** There is growing demand for online educators, including at companies that develop the materials for online students and any organization focused on digital learning. Graduates are prepared for instructional design roles in K-12, higher education, nonprofits and corporate settings. Career examples include:

- curriculum coordinator
- curriculum designer or developer
- distance learning manager
- instructional designer
- media center specialists
- technology coordinator
- training specialist, coordinator or manager

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118

educationadvising@asu.edu
480-965-5555

## Integrative Health Minor (NUIHLTMIN)

**Campus:** Downtown Phoenix, West

**Description:** The integrative health minor program provides students with the foundational knowledge they need to approach health from a holistic perspective that focuses on the mind, body and spirit. This program provides an overview of holistic approaches as well as emphasizes research, evidence-based approaches and the legal, ethical, historical and cultural foundations of integrative health care.

**Program Requirements:**
This minor requires 18 credit hours. A "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 15 credit hours
HCR 241: Foundations of Integrative Health (3)
HCR 341: Biological, Manipulative, and Body-Based Therapies (3)
HCR 342: Mind-Body and Energy Therapies and Modalities (3)
HCR 343: Historical and Cultural Foundations of Integrative Health Care (3)
HCR 440: Interprofessional Approaches to Integrative Health Care (3)

Elective -- 3 credit hours
BIO OR CHM Elective (3-4)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in integrative health

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Although most career areas require more training than a minor can provide, students completing the integrative health minor often pursue employment in an organization focused on health care.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/minors
MERCC 250
EdsonCollege.Advising@asu.edu
602-496-0888

## Integrative Social Science Minor (LSISSMIN)

**Campus:** Polytechnic

**Description:** The minor program in integrative social science is designed to provide general education in the social sciences to individuals who desire exposure to the variety of theories and methods of social scientists. Individuals seeking to expand their analytical, problem-solving and strategic planning skill sets benefit from this minor.

The minor is useful to engineers, technologists and other professionals whose specialized education may not have given them access to social science research theories and methodologies, though their professional activities demand knowledge of those tools.

**Program Requirements:**
The minor requires 18 credit hours, including 15 credit hours of required courses and three credit hours of electives.

Because of their specific design for this particular minor, the 15 credit hours of required courses may not be substituted, nor may transfer hours be used to satisfy the requirements.

Required Courses -- 15 credit hours
ISS 301: Integrated Social Science Research Methods (SB) or POS 301: Empirical Political Inquiry (SB) or STS 301: Research in Science and Technology Studies (SB) (3)
ISS 302: Scope of Social Science (SB) (3)
ISS 304: Integrated Theories of Social Science (SB) (3)
ISS 401: Statistics for Integrated Social Science (CS) or POS 401: Political Statistics (CS) or STS 401: Statistics in Science and Technology Studies (CS) (3)
STS 304: Science, Technology and Society (SB) (3)

Elective (choose one) -- 3 credit hours
ISS Upper Division Elective (3)
POS 316: American Political Institutions (3)
POS 325: Public Policy Development (SB) (3)
POS 485: Political Economy (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in integrative social science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in integrative social science can help students expand skills in the analysis of social phenomena and complex social problems as they pursue careers in strategic analysis, economics and politics.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Interdisciplinary Organizational Studies Minor (ASIOSMIN)

**Campus:** West

**Description:** This minor incorporates perspectives from the behavioral and social sciences, communication studies and management, and is learner centered --- allowing students to select coursework that matches their career and educational goals.

The program is offered by the School of Social and Behavioral Studies.

**Program Requirements:**
The minor in interdisciplinary organizational studies consists of 21 credit hours (a minimum of 18 credit hours must be upper division). Six upper-division credit hours must be taken from the School of Social and Behavioral Sciences. The research methods course must be approved by an academic advisor prior to enrollment. Students will complete 12 credit hours in courses focused on organizations and three credit hours from courses focused on diversity within organizations. The internship site must be approved by the Internship Advisor prior to enrollment. All courses used to satisfy the requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
PSY 453: Organizational Behavior (SB) (3)
A research methods course must be chosen in consultation with an academic advisor in the School of Social and Behavioral Sciences from the

following:
COM 308: Advanced Research Methods in Communication (L) (3)
PSY 230: Introduction to Statistics (CS) (3)
SBS 304: Social Statistics I (CS) (3)

Cluster 1 - Courses Focused on Organizations -- 12 credit hours
Choose four courses from the following list:
COM 320: Communication and Consumerism (SB) (3)
COM 400: Dissent in Organizations (3)
COM 450: Organizational Communication (SB) (3)
COM 451: Communication and Work Relationships (3)
COM 453: Communication Training and Development (3)
PHI 360: Business and Professional Ethics (HU) (3)
PSY 482: Social Influence and Consumer Behavior (SB) (3)
PSY 484 / COM 484: Internship or SOC 484: Internship (3)
SOC 443: Sociology of Corporations (SB & G) (3)

Cluster 2 - Courses Focused on Diversity Within Organizations -- 3 credit hours
Choose one course from the following list:
COM 463: Intercultural Communication in a Global Context (SB & G) (3)
POS 437: Women, Power, and Politics (G) (3)
SOC 270: Sociology of Race and Ethnicity (SB & C) (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 426: Social Inequalities (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in interdisciplinary organizational studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

**Career Opportunities:** Students with a minor in interdisciplinary organizational studies are well suited for employment as a human relations analyst, employee training and development manager, corporate communications specialist, customer service and customer relations manager, EEO representative, labor organizer or mediator.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASIOSMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Interior Design History Minor (ARINTMIN)

**Campus:** Tempe

**Description:** The minor in interior design history at The Design School is available to students interested in studying design and culture across many time periods.

The courses designated for the minor are part of the professional studies in interior design environments. The coursework introduces theories informing the professions of architecture, decorative arts and interior design, while also examining cultures and history from around the globe.

**Program Requirements:**
Eighteen credit hours (of which 12 credit hours must be from the 300- or 400-level) are required for the minor. A minimum grade of "C" (2.00) is required in all courses for the minor. To enhance the understanding of the subject matter, the selected courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which any of these courses are offered.
A minimum GPA of 2.50 in minor courses is required to earn the minor in interior design history.

Required Courses -- 12 credit hours
DSC 101: Design Awareness (HU & G) (3)
INT 111: Interior Design Issues and Theories (HU) (3)
INT 310: History of Interior Design I (HU & H) (3)
INT 311: History of Interior Design II (HU & H) (3)

Interior Design History Courses -- 6 credit hours
ARC 330: World and Western Architecture for Nonmajors (HU & H & G) (3)
INT 415: Latin American Design or INT 494: Design and Culture in Latin America (3)
INT 494: Contemporary Design Issues in Europe (3)
INT 494: Design and Context (3)
INT 494 "Contemporary Design Issues in Europe" and INT 494 "Design and Context" are offered as part of a summer study abroad program only.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.50

Incompatible Majors: BSD in interior design

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

The minor in interior design history can complement professional studies in architecture, interior design, environmental design, art, education and history. Degrees within these disciplines can lead to professional positions within studio design firms, design administration and design education.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Italian Minor (LAITAMIN)

**Campus:** Tempe

**Description:** Students pursuing a minor in Italian gain an understanding of the language, literature and cultures of Italian-speaking peoples and regions.

Students are encouraged to participate in a study abroad program (https://silc.asu.edu/silc-studyabroad) to enhance their education and overall minor experience.

**Program Requirements:**
The Italian minor requires 18 credit hours. A minimum of 12 credit hours must be upper division. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
ITA 311: Speak Italy: Language, People, Culture (G) or ITA 312: Write Italy: Language, People, Culture (L & G) (3)
ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H) or ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)

Electives -- 12 credit hours
Students may apply a maximum of six credit hours of 200-level ITA courses toward the minor. If both ITA 201 and ITA 202 are completed, the remaining two credit hours will be counted toward university elective credit. All remaining electives must be upper-division ITA courses, of which at least three credit hours must be completed at the 400-level.
ITA 201: Intermediate Italian I (G) (4)
ITA 202: Intermediate Italian II (G) (4)
ITA 210: Intensive Italian II (G) (6)
ITA 311: Speak Italy: Language, People, Culture (G) (3)
ITA 312: Write Italy: Language, People, Culture (L & G) (3)
ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G) (3)
ITA 319: Italian for Professions (3)
ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H) (3)
ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)
ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)
ITA 394: Special Topics (1-4)
ITA 413: Advanced Italian (G) (3)
ITA 414: French and Italian Popular Culture ((L or HU) & G) (3)
ITA 420: Italian Cinema (L & G) (3)
ITA 423: Italian Organized Crime in Films and History ((L or HU) & G) (3)
ITA 484: Internship (3)
ITA 494: Special Topics (1-4)
ITA 499: Individualized Instruction (3)
Additional courses can be used toward minor electives with permission of an academic advisor in the School of International Letters and Cultures.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in Italian

Other Enrollment Requirements: None

Students who wish to add a minor in Italian to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** A minor in Italian studies enables students to enhance the marketable skills and knowledge they acquire in their major program with additional communication and cultural competencies.

Students with the minor often pursue careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-italian-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Justice Studies Minor (LAJUSMIN)

**Campus:** Tempe, Online

**Description:** The minor program in justice studies is designed for students interested in developing an understanding of the meaning of justice and injustice and in analyzing controversial issues. In addition to the two required core courses, students are able to select electives that align with their specific interests.

**Program Requirements:**
The minor requires a minimum of 18 credit hours. At least 12 credit hours must be at the upper-division level. Each course must be completed with

a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
JUS 105: Introduction to Justice Studies (SB) or JUS 305: Principles of Justice Studies (SB) (3)
JUS 303: Justice Theory (L) (3)

Electives -- 12 credit hours
Select any JUS course except JUS 301, JUS 302 or any course listed as a required course for Justice Studies majors.
JUS Elective (3)
JUS Upper Division Elective (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in justice studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. Those with a minor in justice studies are able to bring specialized knowledge and skills pertaining to social justice concerns to a variety of professional careers, including law, education, public service, and human welfare and social work.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Kinesiology Minor (NHKINMIN)

**Campus:** Downtown Phoenix, ASU at Lake Havasu

**Description:** The minor program in kinesiology introduces students to the concepts, theories, research and careers related to the four major subdisciplines of kinesiology: motor behavior, exercise and health psychology, biomechanics and exercise physiology. Students in the minor select one of these four subdisciplines as the area of emphasis on which to focus in the upper-division requirements for the minor.

**Program Requirements:**
The minor requires a total of 18 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.
Students begin by taking KIN 101 Introduction to Kinesiology and KIN 290 Introduction to Evidence-Based Practice. After this, students will select a track in one of the four subdisciplines.
*All track courses must come from a single track.

Required Core Courses for all Tracks -- 6 credit hours
KIN 101: Introduction to Kinesiology (3)
KIN 290: Introduction to Evidence-Based Practice (L) (3)

Biomechanics Track:

Biomechanics Required Course -- 3 credit hours
KIN 335: Biomechanics (3)

Biomechanics Track Electives (choose three) -- 9 credit hours

KIN 334: Functional Anatomy and Kinesiology (3)
KIN 412: Biomechanics of the Skeletal System (3)
KIN 415: Theory of Corrective Exercise (3)
KIN 416: Low Back Pain: Muscles and Movement (3)
KIN 418: Experimental Neuromechanics (L) (3)

Exercise Physiology Track:

Exercise Physiology Track Required Course -- 3 credit hours
KIN 340: Physiology of Exercise (3)

Exercise Physiology Track Electives (choose three) -- 9 credit hours
KIN 334: Functional Anatomy and Kinesiology (3)
KIN 440: Exercise Biochemistry (3)
KIN 441: Physiology of Women in Sport (L) (3)
KIN 442: Fuel Metabolism (3)
KIN 443: Exercise Endocrinology (L) (3)
KIN 444: Metabolic Adaptations to Exercise Training (3)
KIN 447: ECG Interpretation (3)
KIN 460: Theory of Strength Training (L) (3)
KIN 465: Muscle Physiology (3)
KIN 466: Cardiovascular Exercise Physiology (3)

Exercise/Health Psychology Track:

Exercise/Health Psychology Track Required Course -- 3 credit hours
KIN 352: Psychosocial Aspects of Physical Activity (SB & C) (3)

Exercise/Health Psychology Track Electives (choose three) -- 9 credit hours
KIN 334: Functional Anatomy and Kinesiology (3)
KIN 348: Psychological Skills for Optimal Performance (SB) (3)
KIN 450: Biopsychosocial Perspectives on Physical Activity and Health (3)
KIN 452: Exercise Psychology (SB) (3)
KIN 454: Motivational Theory in Exercise and Health (3)

Motor Behavior Track:

Motor Behavior Track Required Course -- 3 credit hours
KIN 345: Motor Behavior (3)

Motor Behavior Track Electives (choose three) -- 9 credit hours
KIN 334: Functional Anatomy and Kinesiology (3)
KIN 422: Motor Control in Special Populations (L) (3)
KIN 424: Neural Aspects of Movement and Rehabilitation (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in kinesiology; BS in clinical exercise science; BS in sports science and performance programming

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A kinesiology minor can enhance a student's knowledge of human movement, and this information is valuable for those pursuing careers in the health and medical field.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/NHKINMIN/undergrad/true/91465
HLTHN 401AA
CHS@asu.edu
602-496-3300

## Korean Minor (LAKORMIN)

**Campus:** Tempe

**Description:** The Korean minor program is designed to enrich and deepen students' understanding of Korea by placing special emphasis on obtaining a high level of language proficiency in Korean as well as gaining extensive knowledge of Korean literature, culture, film and linguistics, which are necessary for professional or academic endeavors in areas related to Korea or East Asia.

**Program Requirements:**
The minor in Korean consists of 18 upper-division credit hours in the field. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher. At least 12 credit hours must be taken in courses taught by ASU or completed through a study abroad program administered by ASU and officially recognized by the Korean program.

Required Courses -- 6 credit hours
KOR 313: Third-Year Korean I (G) (3)
KOR 314: Third-Year Korean II (G) (3)

Korean Electives (select four) -- 12 credit hours
KOR 347: Korean Film and Literature (HU) (3)
KOR 350: Women of Korea (H) (3)
KOR 375 / SLC 375: Intercultural Communication in Korea (SB & G) (3)
KOR 401: Advanced Korean I (3)
KOR 402: Advanced Korean II (3)
KOR 415 / SLC 415: Korean Popular Culture (HU & G) (3)
KOR 457 / SLC 457: Premodern Korea in a Global Context (HU) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: Students must have completed KOR 202 Second-Year Korean II with a minimum course grade of a "C" (2.00 on a 4.00 scale) or better or have an equivalent level of Korean language proficiency.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in Korean studies equips students with communication and cultural competency skills, a valuable benefit when they pursue careers in:

- education
- marketing
- military
- political analysis
- sociology
- tourism and hospitality

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures

https://silc.asu.edu/degree/minor/minor-korean-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Landscape Studies Minor (ARLNDMIN)

**Campus:** Tempe

**Description:** The landscape studies minor at The Design School is for students who have an interest in landscape architecture but are pursuing a major in another field.

This minor provides an overview to the topic of landscape architecture and a foundational framework for understanding how shaping the exterior environment can impact life and the environment. The course selection provides greater understanding of landscape architecture concerns particularly relevant in related professional disciplines.

**Program Requirements:**
Eighteen credit hours (to include 12 credit hours of upper-division coursework) are required for the minor. A minimum grade of "C" (2.00) is required in all courses for the minor.
A minimum GPA of 2.50 in minor courses is required to earn the minor in landscape studies.

Required Courses -- 12 credit hours
ALA 102: Landscapes and Sustainability (HU & G) (3)
LAP 251: Plant Materials for Sustainable Landscapes or ALA 100: Introduction to Environmental Design (HU & H & G) (3)
LAP 311: History of Landscape Architecture (HU & H) (3)
LAP 312: 20th-Century Landscape Architecture (HU) (3)

Landscape Architectural History and Theory -- 6 credit hours
EDS 301: Sustainable Community Design and Practices (HU) (3)
LAP 332: GIS Applications in Environmental Design (CS) (3)
LAP 352: Ecosystems and Sustainable Design (3)
LAP 413: Landscape Architecture Theory and Criticism (L) (3)
LAP 485: International Field Studies (G) (1-6)
LAP 494: Special Topics (3)
LAP 499: Individualized Instruction (1-3)
Notes:  LAP 499 requires a petition to The Design School.
LDE 494: Special Topics  (3)
LPH 494: Special Topics  (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.50

Incompatible Majors: BSLA in landscape architecture

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

The minor in landscape architecture is intended to augment a degree and expand career possibilities in any of the environmental design disciplines, including architecture, interior design and planning.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu/
CDS 101
herbergeradvising@asu.edu

480-965-4495

## Latin American Studies Minor (ASLASMIN)

**Campus:** West

**Description:** The minor program in Latin American studies offers a learner-driven model in which the student's specific interests are deepened through the study of Latin America. It is interdisciplinary and allows for flexibility in course selection while also instilling a breadth and depth of knowledge about issues surrounding Latin America.

**Program Requirements:**
The minor in Latin American studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken from the School of Humanities, Arts, and Cultural Studies and a minimum of 12 credit hours must be completed at ASU. Relevant course substitutions from other ASU colleges and schools may be permitted with the approval of the Latin American Studies faculty lead and if the course focuses solely upon Latin American studies. All courses used to satisfy the requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
LAS 205: Deep Roots: Latin America (HU & G) (3)
LAS 206: Locating Latin America:Interdisciplinary Methods (3)

Upper-Division Latin American Studies Electives -- 12 credit hours
AMS 330: American Lives (HU & C) (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)
ASB 356 / SBS 356 / SOC 356 / POS 354: Central American Studies (SB & G) (3)
ENG 363 / TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)
FMS 475: Latin American Film ((L or HU) & G) (3)
GCU 323: Geography of Latin America (SB & G) (3)
HST 305: Studies in Latin American History (3)
HST 438: Modern Spain ((HU or SB) & G & H) (3)
HST 443: The United States and Latin America (SB & G & H) (3)
HST 444: Latin American Independence ((L or HU) & G) (3)
HST 447: Modern Mexico (SB & H) (3)
JHR 394: Human Rights in the Global South (3)
JHR 494: Political Representation in Latin America (3)
JUS 470: Alternative Dispute Resolution (L & C) or SPA 470: Law, Societies and Justice in Latino-America (SB & G) (3)
LAS 324 / HST 324: Food in Latin America (SB & G & H) (3)
LAS 330: From the Inside: The Latin American Journey (HU) (3)
LAS 340 / WST 341: Latin American Women Writers (HU & G) (3)
LAS 350: The Construction of a Nation: Chile in the 20th/21st Century (3)
LAS 351: Cityscapes: Urban Mexican Literature and Culture (3)
LAS 355: Contemporary Mexican Cinema: Changing Cartographies (3)
LAS 375 / HST 375: Colonial Latin America (SB & H) (3)
LAS 376 / HST 376: Modern Latin America (SB & G & H) (3)
LAS 378 / HST 378 / JHR 378: Poverty, Inequality and Social Justice in Latin America (3)
LAS 394 / POR 394 / SLC 394 / SPA 394: Special Topics (3)
LAS 404 / HST 404: Conquest and Encounters in Colonial Latin America (L & G) (3)
LAS 419 / HST 419: 20th Century Chicano/a History (C) (3)
LAS 428 / AMS 428 / ETH 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)
LAS 430 / ETH 430 / WST 430: Gender on the Borderlands (SB & G) (3)
LAS 441 / HST 441: Latin America and the World Economy (L & G & H) (3)
LAS 449 / FOR 449 / SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) (3)
LAS 450 / AMS 450 / ETH 450: Latina/os, Schooling and Social Inequality (C) (3)
LAS 471: Treaties and Cultural Production in Spain and the Americas (3)
LAS 473 / ETH 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)
LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) (3)
LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) (3)
LAS 494 / POR 494 / SLC 494 / SPA 494: Special Topics (3)
NEW 300: International Cities (3)
Notes: NEW 300 International Cities can be used as an Upper-Division Latin American Studies Elective for Latin American cities only.
POS 453: Latin America (SB & G) (3)
POS 454: Mexico (SB & G) (3)
SPA 325: Introduction to Hispanic Literature (HU) (3)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) (3)

SPA 429: Writing Mexico: Major Texts ((L or HU) & G) (3)
SPA 456: 20th-Century Spanish American Fiction (3)
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)
SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in Latin American studies; BA in social and cultural analysis (Latin American studies)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** This minor encourages cross-cultural exploration, and students who pursue it are prepared for a global-minded career path in such diverse fields as business and finance, arts and arts administration, education, nonprofit organizations, health care, the sciences, psychology, social sciences, sports, journalism, diplomacy, law enforcement and forensic science, ministry, technology, architecture and library science.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASLASMIN/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Materials Science and Engineering Minor (ESMSEMIN)

**Campus:** Tempe

**Description:** The materials science and engineering minor program gives science and engineering majors an in-depth understanding of materials, including their structure, processing, properties and performance.

**Program Requirements:**
Students are required to take five courses and one lab (minimum of 16 credits), listed below:

Required Courses -- 12 credit hours
MSE 250: Structure and Properties of Materials (3)
MSE 355: Structure and Defects (3)
MSE 3** Elective or MSE 4** Elective (6)

Materials-related Lab Course -- 1 credit hours
MSE 356: Thin Film and Microelectronic Devices Lab (1)
MSE 451: Nanomaterials and Electronics Characterization Lab (1)

Materials-related Course -- 3 credit hours
BME 318: Biomaterials (4)
CEE 353: Civil Engineering Materials (4)
CHE 468: Polymer Principles and Processing (3)
CHM 471: Solid-State Chemistry (3)
EEE 352: Properties of Electronic Materials (4)
EEE 436: Fundamentals of Solid-State Devices (3)
MSE 3** Elective (3)
MSE 4** Elective (3)
PHY 481: Materials Physics I (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.
Maintain 2.50 GPA in Minor Courses.

**Enrollment Requirements:** GPA Requirement: 2.75

Incompatible Majors: BA in interdisciplinary studies with a concentration in materials science and engineering

Other Enrollment Requirements: Students must hold sophomore status to enroll in the materials science and engineering minor. To earn the minor, students must receive a minimum GPA of 2.50 (scale is 4.00 = "A") in all minor courses. Students adding the minor also need to complete MAT 265 (MAT 270), MAT 266 (MAT 271), MAT 267 (MAT 272), MAT 242 (MAT 342 or 343), and CHM 114 or CHM 113 and 116.

Interested students should consult with a School for Engineering of Matter, Transport and Energy advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should contact the SEMTE advising office at 480-965-2335 or semte@asu.edu (mailto:semte@asu.edu).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult with their major academic advisor to declare the minor after they have met with an advisor in the school to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** For engineering majors, a minor in materials science and engineering could open up career opportunities in nanotechnology, electronics, health care, sustainability and energy. For nonengineering majors, a minor in materials science and engineering can provide a foundation in sustainability, nanotechnology and materials physics.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Materials Science and Engineering Program
https://semte.engineering.asu.edu/materials-science-and-engineering-bse/
ECG 202
semte@asu.edu
480-965-2335

## Mathematics Minor (ASMATHMIN)

**Campus:** West

**Description:** The minor program in mathematics explores the study of higher mathematics. It is designed to enable the student to understand the mathematics most commonly used in business, economics and science. It is expected that students in the minor will be able to reason and to find creative solutions to problems that are either presented to them or meaningfully formulated by them.

The program is offered by the School of Mathematical and Natural Sciences.

**Program Requirements:**
The minor in mathematics consists of 20 credit hours (a minimum of 12 credit hours must be upper division). A minimum of nine upper-division credit hours must be taken from the School of Mathematical and Natural Sciences. Elective courses not on this list should be approved by an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 14 credit hours
MAT 271: Calculus with Analytic Geometry II (MA) (4)
MAT 272: Calculus with Analytic Geometry III (MA) (4)
MAT 300: Mathematical Structures (L) (3)
MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

Upper-Division Electives -- 6 credit hours
MAT 310: Introduction to Geometry (3)
MAT 371: Advanced Calculus I (3)
MAT 411: History and Philosophy of Mathematics (HU & H) (3)
MAT 421: Applied Computational Methods (CS) (3)
MAT 443: Introduction to Abstract Algebra (3)
MAT 445: Theory of Numbers (3)
MAT 452: Introduction to Chaos and Nonlinear Dynamics (3)
MAT 461: Applied Complex Analysis (3)
MAT 462: Applied Partial Differential Equations (3)
MAT 472: Intermediate Real Analysis I (3)
MAT 494: Special Topics (1-4)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in applied mathematics

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** The minor is recommended for students who plan to major in interdisciplinary arts and sciences, biology or business and for those who are preparing for further graduate study.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASMATHMIN/undergrad/true/177
FAB N101
mnsadvising@asu.edu
602-543-3000

## Mathematics Minor (LAMATMIN)

**Campus:** Tempe

**Description:** The minor in mathematics is designed for students who want to further their knowledge of mathematics. It is beneficial for students majoring in any field where there is a need for quantification in the analysis of information.

**Program Requirements:**
The minor in mathematics consists of a minimum of 18 credit hours, of which at least 12 must be upper division. A grade of "C" (2.00 on a 4.00 scale) or better is required for courses used in the minor.

Required Courses -- 9 credit hours
A minimum of 9 credit hours is required. Students completing MAT 271 and MAT 272 will complete a total of 11 credit hours.
MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)
MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)
MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

Upper Division Electives -- 9 credit hours
In consultation with an academic advisor in the School of Mathematical and Statistical Sciences, students will choose nine credit hours of upper-division coursework in any combination from ACT, DAT, MAT and STP subjects. Students must complete at least three courses from these subjects.
ACT OR DAT OR MAT OR STP Upper Division Elective (9)

Students may not apply ACT 491, MAT 411, or MAT 485, or any course not offered by The College of Liberal Arts and Sciences to the minor, unless approved by an academic advisor in the School of Mathematical and Statistical Sciences prior to registration.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics; BS in data science; BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Students should confer with an academic advisor in the School of Mathematical and Statistical Sciences before declaring the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear

on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Mathematics is foundational and can be applied to many different types of careers. Math is a crucial part of engineering, life sciences, business, physics, economics and social sciences. These are just a few of the top careers possible with a minor in mathematics:

- cryptographer
- engineer
- financial analyst
- mathematician
- operations research analyst
- statistician
- teacher

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## Media Analysis Minor (CSCMOMINA)

**Campus:** Downtown Phoenix, Online

**Description:** The mass media play vital roles in how information is created and disseminated and in how societies and cultures evolve. In the media analysis minor, students learn to understand the roles media play, how they're changing, and what impact they make. Students learn the tools they need to critically evaluate, analyze and interpret media messages in order to become wise consumers of media and stronger communicators in their major fields.

**Program Requirements:**
The minor in media analysis consists of 18 credit hours of coursework: nine credits of MCO core courses and nine credits of MCO electives. To pursue the minor in media analysis, students must maintain a minimum 2.00 cumulative GPA, and obtain a minimum grade of "C" (2.00 on a 4.00 scale) in each course in the minor.

Required Courses -- 9 credit hours
MCO 120: Media and Society (SB) (3)
MCO 240: Media Issues in American Pop Culture (3)
MCO 418: History of Mass Communication (SB & H) (3)

Elective Courses -- 9 credit hours
MCO 302: Media Research Methods (3)
MCO 307: The Digital Audience (3)
MCO 335: Social Media Foundations (3)
MCO 366: Media Ethics and Diversity (3)
MCO 403: Media Law (3)
MCO 425: Digital Media Literacy I (3)
MCO 426: Digital Media Literacy II (3)
MCO 427: Misinformation and Society (3)
MCO 428: Digital Media and Freedom of Expression in the 21st Century (3)
MCO 430: International Mass Communication (G) (3)
MCO 431: Media Entrepreneurship (3)
MCO 433: Social Media Campaigns, Engagement and Research (3)
MCO 434: Search Engine Research and Strategy (3)
MCO 438: Digital Audience Analysis (3)
MCO 450: Visual Communication (HU) (3)
MCO 456: Political Communication (SB) (3)
MCO 460: Race, Gender, and Media (C) (3)
MCO 465: Sports and Media (3)
MCO 470: Exploring the Business of Journalism (3)
MCO 494: Special Topics (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in journalism and mass communication; BA in sports journalism and mass communication; BA in mass communications and media studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor or the Cronkite School advising department (https://cronkite.asu.edu/advising/undergraduate/) for more information.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor can help students develop marketable communication skills, boosting their career options across their major field and advancing their understanding of how mass media functions. Students with a media analysis minor may pursue communications, engagement and strategy roles in their chosen fields; media-facing roles in journalism and fact-checking; and other career opportunities in economics, finance and political organizations.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/cscmomina/
CRONK 222
cronkiteadvising@asu.edu
602-496-5055

## Media Arts and Sciences Minor (HIDGCMIN)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture.
**Description:** With the media arts and sciences minor, students enhance their program of study with integrated, interdisciplinary training in creative processes and technical skills in new media with cultural applications.

Students develop both the technical skills to create computational media and the cultural skills to know when or why to apply them. Students in the media arts and sciences minor learn to create computational media (computation combined with objects, sound, video, time, space, culture and bodies); breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic century.

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The school prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that is increasingly shaped by new technologies.

**Program Requirements:**
The digital culture minor requires 21 credit hours, of which 12 are upper division. Courses for the minor may not be used as part of a major. A minimum of 12 upper-division credit hours taken at ASU is required.

Required Digital Culture Studies Courses -- 6 credit hours
AME 111: Introduction to Digital Culture (CS) (3)
AME 112: Computational Thinking for Digital Culture or AME 230: Programming for the Media Arts (CS) (3)

Digital Culture Studies -- 6 credit hours
AME 112: Computational Thinking for Digital Culture (3)
AME 130: Prototyping Dreams (L) (3)
AME 210: Media Editing (3)
AME 220: Programming for the Web (CS) (3)
AME 244: Introduction to Interactive Environments (3)
AME 294: Special Topics (3)
AME 310: Media Literacies and Composition (3)
AME 320: Motion Capture for Integrative Systems (3)
AME 330: Digital-Physical Systems (3)

AME 340: Compositional and Computational Principles for Media Arts (3)
AME 394: Special Topics (3)
AME 410: Interactive Materials (3)
AME 411: Advanced Interactive Sound (3)
AME 430: Mac Development for Media Arts (3)
AME 435: Mobile Development (3)
AME 444: Media Installations (3)
AME 470: Programming for Social and Interactive Media (3)
AME 485: Digital Culture Capstone I (3)
AME 494: Special Topics (3)
ART 378: Digital Textiles (3)
DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture (3)
FSH 394: Fashion Design & Wearable Technology (3)
MDC 211: Introduction to Digital Sound (3)
MDC 311: Composing and Performing for Hybrid Ensembles (3)
MDC 411: Advanced Interactive Sound (3)

Digital Media -- 6 credit hours
AME 294: Special Topics (3)
AME 394: Special Topics (3)
AME 494: Special Topics (3)
ART 116: Introduction to Digital Media (3)
ART 206: Digital Photography I (3)
ART 217: Introduction to Computer Animation (3)
ART 308: 2D Digital Animation I (3)
ART 346: 3D Computer Imaging and Animation (CS) (3)
ART 348: Animation Motion Studies (3)
ART 394: Digital Photography for Non-Majors (3)
ART 424: Stop Motion Animation (3)
ART 438: Moving and Interactive Systems in Sculpture (3)
ART 440: Experimental Video Art (3)
ART 444: Short Subject: Documentary Video (3)
ART 494: Visual Prototyping (3)
CIS 300: Web Design and Development (3)
CPI 111: Game Development I (CS) (3)
DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture (3)
EDT 440: Creating and Marketing Mobile Apps (3)
EEE 307: Signal Processing for Digital Culture (3)
FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro (3)
FMP 240: Introduction to Animation for Film (3)
FMP 255: Media Authorship (CS) (3)
FMP 315: Sound Design for Film and Media I (3)
GIT 135: Graphic Communications (3)
GIT 215: Introduction to Web Authoring (3)
GIT 230: Digital Illustration in Publishing (3)
GRA 294: Illustrator (3)
GRA 294: InDesign (3)
GRA 294: Photoshop (3)
IAP 103: Foundations I: Interdisciplinary Art Practice (3)
IAP 104: Foundations I: Fundamentals of Sound Art (3)
IAP 322: Multitrack Digital Recording (3)
IAP 361: Digital Editing and Media Literacy (CS) (3)
IAP 364: Documentaries (3)
IAP 462: Games and Play (3)
MDC 211: Introduction to Digital Sound (3)
MDC 311: Composing and Performing for Hybrid Ensembles (3)

Related Digital Culture or Historical/Theoretical -- 3 credit hours
ALA 100: Introduction to Environmental Design (HU & H & G) (3)
ALA 102: Landscapes and Sustainability (HU & G) (3)
ARA 202: Understanding Photographs (3)
ARA 396: Professional Practices for Design and the Arts (3)
ARC 330: World and Western Architecture for Nonmajors (HU & H & G) (3)
ARC 331: World and Western Architecture I ((L or HU) & G & H) (3)

ARC 332: World and Western Architecture II ((L or HU) & G & H) (3)
ARS 102: Art from Renaissance to Modernism (HU & H) (3)
ARS 345: Art and Television (3)
ARS 394: Anime (3)
ARS 438: Art of the 20th Century I (HU & H) (3)
ARS 439: Art of the 20th Century II (HU & H) (3)
ASB 344: Technology and Society (L or SB) (3)
DCE 300: Dancing Histories (HU) (3)
DSC 101: Design Awareness (HU & G) (3)
ENT 290: Entrepreneurship: Opportunity to Impact (3)
ENT 305: Principles of Entrepreneurship (3)
FMP 403: Independent Film (HU) (3)
FMP 404: World Cinema (G) (3)
FMP 405: Film and Television: Pioneers, Practices and Innovations (3)
GRA 111: Graphic Design History I (HU) (3)
GRA 112: Graphic Design History II (3)
HDA 210: Creativity and Innovation in Design and the Arts (3)
HDA 252: Foundations Arts and Design Entrepreneurship (3)
HDA 310: Socially Engaged Practice (3)
IAP 102: Foundations I: Performance Techniques and Composition (3)
IAP 105: Foundations I: Fundamentals of Visual Art (3)
IND 316: 20th-Century Design I (HU & H) (3)
IND 317: 20th-Century Design II (HU & H) (3)
INT 111: Interior Design Issues and Theories (HU) (3)
INT 310: History of Interior Design I (HU & H) (3)
INT 311: History of Interior Design II (HU & H) (3)
MHL 440: Topics in 20th-Century Music (L or HU) (3)
MUS 347: Jazz in America (HU & C) (3)
MUS 354: Popular Music (3)
MUS 356: Broadway and the American Musical (HU) (3)
SOC 334: Technology and Society (L or SB) (3)
THE 320: History of the Theatre I (HU & H) (3)
THE 321: History of the Theatre II (HU & H) (3)
THE 322: Theatre History and Culture (HU & H) (3)
THP 482: Theatre for Social Change (C) (3)

Students who earn a minor in digital culture cannot earn a digital culture certificate.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.50

Incompatible Majors: All media arts and sciences (formerly digital culture) majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Media arts and sciences students learn techniques that can transform society, and they communicate using contemporary computational media, a vital power in the world. These skills along with specialized knowledge and judgement complement their major program of study and helps them become more marketable to employers.

Graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media, including mobile app design, audio production, autonomous systems and more.

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://herbergerinstitute.asu.edu/node/40666
STAUF-B 217
digitalculture@asu.edu

480-965-9438

## Medical Studies Minor (NHMESTMIN)

**Campus:** Downtown Phoenix, Polytechnic, West

**Description:** The minor program in medical studies focuses on preparing students for employment in health care and clinical medicine, including in both direct and indirect patient care.

Students take coursework in historical aspects of medicine, applied medical and health care ethics, and leadership and professionalism. Students have the option of selecting an internship course that enhances the application of core concepts.

**Program Requirements:**
The minor requires a total of 18 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.

Required Courses -- 15 credit hours
HCD 303: Global Health Care Systems (G) (3)
HCD 330: Health Care Systems in the U.S. (3)
MED 300: Historical and Contemporary Issues in Health (L) (3)
MED 320: Applied Medical/Health Care Ethics (HU) (3)
MED 450: Leadership and Professionalism (3)

Elective (choose one) -- 3 credit hours
HCD 420: Population Health Management (3)
MED 484: Internship (3)
PBH 422: Health Disparities and Access to Health (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BAS in applied science (health sciences); BS in health care administration and policy; BS in health sciences; BS in health sciences (healthy lifestyles and fitness science); BS in medical studies; BS in population health; BS in public health

Other Enrollment Requirements: Students must complete a minimum of 30 credit hours prior to adding the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students who have completed this minor have acquired valuable skills in health care that, along with those developed in the major program, can be implemented in a variety of career settings. Some career opportunities include project coordinators, marketing, sales and research.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/NHMESTMIN/undergrad/true/91465
HLTHS 444AA
chs@asu.edu
602-496-3300

## Military Leadership Minor (LAMISMIN)

**Campus:** Tempe

**Description:** The minor in military leadership is a program designed to enhance students' learning experience by providing tools that prepare them for leadership roles in various organizations. Students complete courses that cover academic and practical skills including:

- effective communication
- leadership ethos
- negotiation
- problem-solving

- staff motivation and empowerment
- team-building

**Program Requirements:**
The minor in military leadership requires a minimum of 18 credit hours, 12 of which must be at the 300- or 400-level. Twelve credit hours must be taken in residence on an ASU campus. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.
Students choose the option befitting their chosen branch of the military. An option is also provided for non-ROTC students wishing to benefit from the skills and knowledge developed in the minor.

Branch Specific Options -- 18 credit hours
The branch-specific options for Army, Air Force and Navy require a minimum of 12 credit hours specific to the option, and six credit hours chosen from a list of approved electives. Students choosing the Marine option complete nine credit hours within the branch option courses and nine credit hours from the list of approved electives.

Army Option
MIS 301: Training Management and the Warfighting Functions (L) (4)
MIS 302: Applied Leadership in Small-Unit Operations (L) (4)
MIS 401: The Army Officer (4)
MIS 402: Company Grade Leadership (4)
Choose two additional courses from the list of Approved Electives below.

Air Force Option
AES 301: Air Force Leadership Studies I (L) AND AES 302: Leadership Laboratory (3)
AES 303: Air Force Leadership Studies II (L) AND AES 304: Leadership Laboratory (3)
AES 401: National Security Affairs (L) AND AES 402: Leadership Laboratory (3)
AES 403: Preparation for Active Duty II AND AES 404: Leadership Lab (3)
Choose two additional courses from the list of Approved Electives below.

Navy Option
NAV 301: Naval Ship Systems I (3)
NAV 302: Naval Ship Systems: Weapons (3)
NAV 401: Naval Operations and Seamanship (3)
NAV 402: Leadership and Ethics (3)
NAV 499: Individualized Instruction (3)
Choose two additional courses from the list of Approved Electives below.

Marine Option
NAV 303: Evolution of Warfare (3)
NAV 402: Leadership and Ethics (3)
NAV 403: Fundamentals of Maneuver Warfare (3)
NAV 499: Individualized Instruction (3)
Choose three additional courses from the list of Approved Electives below.

Non-ROTC Option -- 18 credit hours
The minor also offers an option designed for non-ROTC students desiring the training provided by the minor. Student in the non-ROTC option complete three courses from this list of approved core courses and three courses selected from the list of Approved Electives.
Choose three courses from the following:
AES 301: Air Force Leadership Studies I (L) (3)
AES 303: Air Force Leadership Studies II (L) (3)
AES 401: National Security Affairs (L) (3)
AES 403: Preparation for Active Duty II (3)
MIS 301: Training Management and the Warfighting Functions (L) (4)
MIS 303: National Advanced Leadership Camp (4)
MIS 401: The Army Officer (4)
MIS 402: Company Grade Leadership (4)
NAV 301: Naval Ship Systems I (3)
NAV 302: Naval Ship Systems: Weapons (3)
NAV 303: Evolution of Warfare (3)
NAV 401: Naval Operations and Seamanship (3)
NAV 402: Leadership and Ethics (3)
NAV 403: Fundamentals of Maneuver Warfare (3)
Choose three additional courses from the list of Approved Electives below.

Approved Electives

Courses can only satisfy one requirement. No course used toward the branch-specific courses or the core courses for the non-ROTC option can be repeated as an elective.
AES 101: Air Force Today I (2)
AES 103: Air Force Today II (2)
AES 201: The Evolution of USAF Air and Space Power I (2)
AES 203: The Evolution of USAF Air and Space Power II (2)
FAS 101: Personal Growth and Relationships (SB) (3)
FAS 331: Modern Family Relationships (SB) (3)
HST 372: Modern Middle East (SB & G & H) (3)
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)
HST 456: The Vietnam War (SB & G & H) (3)
MIS 101: Introduction to the United States Army (4)
MIS 102: Foundation of Agile and Adaptive Leadership (4)
MIS 201: Army Leadership and Decision Making (4)
MIS 202: Army Doctrine and Team Development (4)
MIS 499: Individualized Instruction (3)
NAV 101: Introduction to Naval Science (3)
NAV 102: Sea Power and Maritime Affairs (3)
NAV 202: Navigation (3)
NAV 294: Naval Leadership and Management (3)
NAV 499: Individualized Instruction (3)
REL 100: Religions of the World (HU & G) (3)
REL 366: Islam in the Modern World (HU & G) (3)

Additional electives may be used with the prior approval of the department chair.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Other Enrollment Requirements: None

Students in the history or religious studies BA programs may not use HST or REL courses to meet the elective requirement for this minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** The minor in military leadership provides students with the knowledge of the military as a profession and its purpose and capabilities in support of national defense. Students who complete the minor improve their problem-solving abilities and enhance their critical and creative thinking skills. This certificate assists students pursuing careers in support of the Department of Defense.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Military Science
https://thecollege.asu.edu/degree/minor/minor-military-leadership-minor
SS 330
ArmyROTC@asu.edu
480-965-0782

## Music Minor (FAMUSMIN)

**Campus:** Tempe, Online

**Description:** The music minor is designed for students who are interested in a broad introduction to the study of music. The program allows for a diverse exposure to traditional through contemporary music practices, with numerous course options based on students' interests.

**Program Requirements:**
The School of Music offers a minor in music consisting of 24 credit hours of coursework, including a minimum of 12 upper-division credit hours. A minimum grade of "C" (2.00) is required in all courses.

Required Courses -- 12 credit hours
MHL 201: Media Literacy for Musicians (CS) (3)
MUS 100: Fundamentals of Music Notation (3)

MUS 131: Bach to Bebop (HU) or MUS 355: American Music (HU & C & H) (3)
Notes:  Bach to Bebop is only offered in fall semesters.
MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)

Music History -- 6 credit hours
MUS 131: Bach to Bebop (HU) or MUS 355: American Music (HU & C & H) (3)
Notes:  Bach to Bebop is only offered in fall semesters.
MUS 347: Jazz in America (HU & C) (3)
MUS 356: Broadway and the American Musical (HU) (3)
MUS 410: History of Women in Music (HU & C & H) (3)

Music Electives -- 6 credit hours
MUS 354: Beatles  (3)
MUS 354: Classic Rock: 1950-1975  (3)
MUS 354: Country Music  (3)
MUS 354: Elvis  (3)
MUS 354: Jazz Giants  (3)
MUS 354: Rock Since 1975  (3)
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)
MUS Upper Division Elective  (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: All music majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor can help students enhance the marketable skills they acquire in their major program and help them develop new skills apart from it, though most career areas do require more training than a minor alone can provide.

Graduates with a minor in music have additional knowledge that can help them as they pursue careers in arts administration, teaching, fundraising management or marketing.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/minors-certificates
MUSIC E167
herbergeradvising@asu.edu
480-965-5069

## Music Performance Minor (HIMUSPMIN)

**Campus:** Tempe

**Description:** The minor program in music performance allows students with a background in playing an instrument or in singing to continue to develop their musicianship while pursuing their major studies.

The coursework includes individualized instruction and ensemble experience, to develop the student's performance skills.

**Program Requirements:**
The minor requires 21 credit hours, of which 12 are upper division, in performance, history, theory and electives.
Students may transfer up to nine credit hours toward the minor.

Admission requirement: An audition is required for entrance into the minor and MUP 121 study. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 criteria found in the Audition Requirements section on this webpage.

Required Courses -- 6 credit hours
MUP 121: Studio Instruction (2)
Notes: Two semesters of MUP 121 are required.
MUP 321: Studio Instruction (1)
MUS 131: Bach to Bebop (HU) or MUS 355: American Music (HU & C & H) (3)

Ensembles - Three semesters of ensembles related to the primary instrument studied in the minor -- 3 credit hours
MUP 442: Orchestra Strings (1)
MUP 442: Philharmonia (1)
MUP 442: Wind Ensemble (1)
MUP 443: Chamber Singers (1)
MUP 443: Concert Choir (1)
MUP 444: Maroon and Gold Concert Band (1)
MUP 450: Choral Union (1)
MUP 455: Arizona Statesmen (1)
MUP 457: Sol Singers (1)
MUP 458: ASU Gospel Choir (1)
MUP 459: Barrett Choir (1)
MUP 486: Concert Jazz Band (1)
MUP 486: Jazz Repertory Band (1)
MUP 486: Latin Jazz Ensemble (1)

Ensemble - Fourth semester of ensemble (may be unrelated to the primary instrument studied in the minor) -- 1 credit hours
MUP 441: Popular Music Ensemble (1)
MUP 485: Contemporary (1)
MUP 485: Jazz (1)
MUP 485: Percussion Ensemble (1)
MUP 485: Steel Band (1)
MUP 489: Ethnomusicology Ensembles (1)
MUP 489: Gamelan (1)
MUP 489: Hip Hop Ensemble (1)
MUP 489: Latin Marimba (1)
MUP 489: Mariachi (1)
MUP 489: World Percussion Ensemble (1)
MUS 294: Rock Band (1)

Music History -- 6 credit hours
MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)
MUS 347: Jazz in America (HU & C) (3)
MUS 354: Classic Rock: 1950-1975 (3)
MUS 355: American Music (HU & C & H) (3)
MUS 356: Broadway and the American Musical (HU) (3)
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)
MUS 410: History of Women in Music (HU & C & H) (3)
MHL courses may be accepted if the appropriate prerequisites are met or with instructor approval.

Music Theory -- 3 credit hours
Students will take a theory diagnostic exam to determine placement in either MUS 100 or MTC 125.
MUS 100: Fundamentals of Music Notation or MTC 125: Basic Music Theory (3)

Music Electives -- 2 credit hours
MHL OR MUE OR MUP OR MUS OR MTC OR MSC Upper Division Elective (2)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: All music majors

Other Enrollment Requirements: Students must successfully complete an audition before the faculty in the applicable instrument area for entrance into the program. Audition criteria and specific audition requirements are determined by area faculty and are similar to the MUP 111 and MUP 311 enrollment criteria for each instrument posted at the school's auditions page (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions). Students interested in pursuing the performance minor should submit an application at the program page (https://musicdancetheatre.asu.edu/degree-programs/music-performance-minor).

Advisors should not add the minor until the student presents a letter from the School of Music, Dance and Theatre Academic Affairs Office confirming that the student has successfully passed the audition.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Graduates with a minor in music performance have additional experience which can help them as they pursue careers in art administration, teaching and business.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/minors-certificates
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music Theatre Minor (HIMUTHRMIN)

**Campus:** Tempe

**Description:** The minor program in music theatre allows students with a background, interest or passion in music theatre to continue their studies and further explore the craft.

Students develop skills through performance-based small group classes and private instruction, and coursework also includes the study of theoretical and historical elements of music and theatre.

**Program Requirements:**
The minor requires 24 hours (12 upper division) in performance, history, theory and electives.
Students may transfer up to nine credit hours toward the minor.
Admission requirement: An audition is required for entrance into the minor and MUP 121 study. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 criteria found in the Audition Requirements section on this webpage.

Required Performance Courses -- 12 credit hours
MUP 121: Voice (2)
Notes: Two semesters of MUP 121 are required
MUP 170: Music Theatre I (2)
MUP 172: Music Theatre II (2)
MUP 374: Technical Production I (Foundations) (1)
MUP 374: Technical Production II (Practicum) (1)
MUP 451: Music Theatre Repertoire (2)
MUP 467: Music Theatre Dance Technique (2)
Notes: Two semesters of MUP 467 are required and must be taken in fall-spring sequence

Music History -- 3 credit hours
MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)
MUS 347: Jazz in America (HU & C) (3)
MUS 354: Classic Rock: 1950-1975 (3)
MUS 355: American Music (HU & C & H) (3)
MUS 356: Broadway and the American Musical (HU) (3)
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)
MUS 410: History of Women in Music (HU & C & H) (3)
MHL courses may be accepted if the appropriate prerequisites are met or with instructor approval.

Music Theory -- 3 credit hours

Students must take the music theory diagnostic exam before enrolling in MTC 125.
MTC 125: Basic Music Theory (3)

Upper Division Music Elective -- 3 credit hours
MUP 321: Studio Instruction (1)
MUP 360: Musicianship for Singers (1)
MUP 373: Music Theatre Performance and Production (1)
MUP 471: Audition Training (Musical Theatre) (1)
MUS 355: American Music (HU & C & H) (3)
THE 322: Theatre History and Culture (HU & H) (3)

Music Electives -- 3 credit hours
MUP 270: Music Theatre III (2)
MUP 272: Music Theatre IV (2)
MUP 321: Voice (1)
MUP 373: Music Theatre Performance and Production (1)
MUP 471: Audition Training (Musical Theatre) (1)
MUS 131: Bach to Bebop (HU) (3)
MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)
MUS 347: Jazz in America (HU & C) (3)
MUS 354: Classic Rock: 1950-1975 (3)
MUS 355: American Music (HU & C & H) (3)
MUS 356: Broadway and the American Musical (HU) (3)
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)
MUS 410: History of Women in Music (HU & C & H) (3)
THE 322: Theatre History and Culture (HU & H) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BMUS in performance with a concentration in music theatre

Other Enrollment Requirements: An audition for music theatre is required for entrance into the minor or BIS concentration and MUP 121 and MUP 170 study. Audition criteria are determined by area faculty.

Audition repertoire can be found on this School of Music, Dance and Theatre website (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions). Students interested in pursuing the music theatre minor should submit an application at the program page (https://musicdancetheatre.asu.edu/degree-programs/music-theatre-minor).

Advisors should not add the minor until the student presents an acceptance letter from the School of Music, Dance and Theatre Academic Affairs Office confirming that the student has successfully passed the audition.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Graduates with a minor in music theatre have additional expertise which can help them as they pursue careers in arts administration, acting, performance or teaching.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/minors-certificates
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Nonprofit Leadership and Management Minor (PPNLMMIN)

**Campus:** Downtown Phoenix

**Description:** The minor program in nonprofit leadership and management empowers students to positively impact the community in which they work. The nonprofit sector in the U.S. is unique in form and function, with more than 1.6 million organizations in the U.S.

This program is ideal for ASU students who wish to earn a minor that concentrates on the management of nonprofit organizations. Coursework introduces students to the knowledge and skills required for successful professional careers with nonprofit, social sector organizations that exist to improve the quality of life of communities.

Students from various disciplines such as business, communication, education, global studies, museum studies, nursing, public affairs, religious studies, social work and sustainability find this program a beneficial supplement to their existing program as many find that the career pathways from their degree occur within nonprofit organization forms.

This program affords students the opportunity to earn the National Certified Nonprofit Professional credential awarded through the Nonprofit Leadership Alliance; https://www.nonprofitleadershipalliance.org/credential/ (https://www.nonprofitleadershipalliance.org/credential/). Students seeking more information about completing the CNP credential and requirements should refer to the school website.

**Program Requirements:**
The minor requires 18 credit hours: three credit hours of required core courses and 15 credit hours of elective courses.

Required Core Course -- 3 credit hours
NLM 220: Introduction to Nonprofit Organizations (3)

Electives -- 15 credit hours
NLM 160: Voluntary Action and Community Leadership (SB) (3)
NLM 300: Fund Raising and Resource Development (3)
NLM 310: Volunteer Management (3)
NLM 380: Financial Management for Nonprofit Organizations (3)
NLM 430: Managing Nonprofit Organizations (L) (3)
NLM 435: Service Learning for Community Development (3)
NLM 451: Grant Writing (3)
NLM 484: Internship (3)
PRM 145: Special Events Management (3)

Standards
1. minimum grade of "C" (2.00 on a 4.00 scale) required for all courses in the minor.
2. 15 credit hours of graded classroom coursework (no internship, no independent study).
3. students should be a junior to take 400-level classes.
4. no double counting of courses for both a major and the minor.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in nonprofit leadership and management, including the American Indian studies concentration

Students pursuing the nonprofit leadership and management bachelor's degree may earn the certified nonprofit professional credential along with their major upon successfully completing both curricular and cocurricular requirements. (Students should see an advisor for details.)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Graduates with a nonprofit leadership and management minor find opportunities in diverse settings involving a wide range of missions, including arts and culture, environmental, health, youth development, etc. Some graduates find employment with local, grassroots, direct-service nonprofits while others find work with grant-making foundations.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development

https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Nutrition and Healthy Living Minor (NUNHLMIN)

**Campus:** Downtown Phoenix

**Description:** The nutrition and healthy living minor program provides students with a greater understanding of how nutrition contributes to healthy lifestyles and disease prevention.

Students have the opportunity to mix and match classes to their interests, such as the history and cultural aspects of food, counseling and communication in different mediums, sports nutrition, and nutrition in the community.

**Program Requirements:**
The minor requires a total of 18 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required for each course in the minor.
Some courses in this minor require CHM 101 (or CHM 113) as a prerequisite. Please ensure all prerequisites are met when planning this minor.

Required Courses -- 9 credit hours
NTR 100: Introduction to Nutrition Science or NTR 241: Human Nutrition (3)
NTR 345: Development of Healthy Cuisines (3)
NTR 450: Nutrition in the Life Cycle (SB) or HSC 355: Eating for Lifelong Health (SB) (3)

Upper-Division Electives (select three) -- 9 credit hours
HEP 380: Body Image and Wellness (3)
NTR 320: History of Human Nutrition (H) (3)
NTR 348: Cultural Aspects of Food (SB & C & G) (3)
NTR 350: Nutrition Counseling (3)
NTR 351: Nutrition Communication (L) (3)
NTR 353: The Western Diet (3)
NTR 390: Current Nutrition Research (3)
NTR 448: Community Nutrition (L) (3)
NTR 453: Nutrition and the Media (3)
NTR 457: Sports Nutrition (3)
NTR 480: Integrative and Functional Nutrition (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in dietetics, BS in food and nutrition entrepreneurship; BS in health sciences (healthy lifestyles and fitness science); BAS in food and nutrition entrepreneurship; BS in nutritional science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. Graduates of the minor in nutrition and healthy living have a basic understanding of nutrition needs through the lifecycle and how to put that knowledge to use in the community, which is of benefit to careers in public health, the medical field and in workplace wellness.

Many graduates participate in activities like these:

- conducting academic research
- developing and preparing recipes that meet nutritional guidelines
- informing the community about food through social media and web platforms
- providing people of all ages with general nutrition information

**Contact Information:**
Health Solutions, College of

College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/NUNHLMIN/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## Organizational Leadership Minor (LSORGLMIN)

**Campus:** Polytechnic, Online

**Description:** The minor program in organizational leadership uses interdisciplinary methods that prepare students to become leaders in organizations. Students develop skills and knowledge that leaders need in order to solve problems, communicate effectively, assess programs, manage resources and use emerging technologies within organizations.

**Program Requirements:**
The minor in organizational leadership requires 18 credit hours, including a minimum of 12 upper-division credit hours.

Required Courses -- 9 credit hours
OGL 200: Introduction to Organizational Leadership (SB) (3)
OGL 340: Special Topics (6)
Notes:  This course is taken two times with two separate topics.

Electives -- 9 credit hours
Choose three courses, including a minimum of six upper-division credit hours.
OGL 220: Behavioral Dynamics in Organizations (SB) (3)
OGL 260: Resource Allocation in Organizations (3)
OGL 300: Theory and Practice of Leadership (3)
OGL 340: Special Topics (3)
OGL 343: Social Processes in Organizations (SB) (3)
OGL 345: Organizational Ethics (HU) (3)
OGL 350: Diversity and Organizations (L & C) (3)
OGL 355: Leading Organizational Innovation and Change (3)
OGL 357: Assessment in Organizations (3)
OGL 360: Assessment of Leadership Effectiveness (3)
OGL 365: Special Topics (3)
PMG 240: Introduction to Project Management (3)
PMG 321: Project Leadership, Strategy and Scope (3)
Any topic can be utilized within the OGL 340 and OGL 365 courses. Students may enroll in up to 15 credit hours of OGL 340 or OGL 365 topics courses to meet the requirements of the minor. Topics cannot be repeated.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BAS in applied science (applied leadership); BA in organizational leadership; BA in organizational leadership (project management); BAS in project management.

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in organizational leadership can help students with communication and cultural competency skills as they pursue careers in organizational behavior, organizational leadership, management and others.

Graduates of the program are prepared for a range of positions in government, health care administration, nonprofit agencies and the service industry.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/
USE 138
CISA@asu.edu
480-965-4464

## Parks and Protected Area Management Minor (PPPRMMINT)

**Campus:** Downtown Phoenix

**Description:** As the world continues to develop and urbanize, the demands and pressures on public lands and natural resources continue to grow. The minor program in parks and protected area management introduces students to the role of these community resources, with a focus on the unique issues faced by urban-proximate natural areas.

Understanding how to balance growing societies with natural resources is key to a sustainable future.

**Program Requirements:**
Completion of the parks and protected area management minor in the School of Community Resources and Development requires the following:

Required Core Courses -- 12 credit hours
PRM 120: Leisure and the Quality of Life (SB) (3)
PRM 370: Public Lands Management (3)
Notes:  Offered fall semester only
PRM 380: Wilderness and Parks in America (SB & H) (3)
TDM 480: Sustainable Tourism (3)

Elective (choose one) -- 3 credit hours
CRD 301: Sustainable Communities (3)
PRM 340: Outdoor Survival (3)
Notes:  Offered fall semester only
PRM 470: Environmental Communication (3)
Notes:  Offered spring semester only
TDM 448: Heritage and Cultural Tourism (3)
TDM 494: Special Topics  (3)

Standards
1. 15 hours of graded classroom coursework (no internship, no independent study)
2. 12 hours of coursework at the upper-division level, from the approved list
3. minimum grade of "C" (2.00 on a 4.00 scale) required for all courses in the minor
4. no double counting of courses for a major and the minor
5. should be a junior to take 400-level courses
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management (all concentrations); BS in recreation therapy

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. Graduates with a minor in parks and protected area management can find opportunities in diverse settings involving a wide range of organizations, including recreation, environmental and youth development.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Personal Health Minor (NHPHLMIN)

**Campus:** Downtown Phoenix, Online

**Description:** The personal health minor allows students pursuing non-health majors or anyone interested in improving their health to explore and learn the latest information related to healthy lifestyles, including the attainment and retention of high-quality personal health.

The program reflects the transdisciplinary nature of personal health by including courses from the fields of nutrition, exercise science, and health sciences and health promotion. Students gain the knowledge and skills necessary to optimize their personal health and assume increased responsibility to move toward improved overall wellness.

**Program Requirements:**
A total of 18 credit hours are required for the minor. A minimum grade of "C" (2.00 on a 4.00 scale) is required for all courses.

Required Courses -- 12 credit hours
EXW 325: Fitness for Life (3)
HEP 380: Body Image and Wellness (3)
HSC 355: Eating for Lifelong Health (SB) or NTR 450: Nutrition in the Life Cycle (SB) (3)
NTR 100: Introduction to Nutrition Science or NTR 241: Human Nutrition (3)

Electives -- 6 credit hours
EXW 302: Fundamentals of Wellness (L) (3)
EXW 335: Physical Activity and Physiological Concepts (3)
EXW 400: Stress Management for Wellness (3)
HEP 350: Substance Use and Addictive Behaviors (3)
HEP 361: Digital Health Communication and Education (3)
HEP 443: Emotional Health and Interpersonal Relationships (3)
NTR 345: Development of Healthy Cuisines (3)
NTR 348: Cultural Aspects of Food (SB & C & G) (3)
NTR 453: Nutrition and the Media (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in exercise and wellness; BS in health education and health promotion; BS in health sciences (healthy lifestyles and fitness science); BAS in food and nutrition entrepreneurship

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor in personal health provides students with skills in many areas of exercise, nutrition and emotional health which can enhance the marketable skills they acquire in their major program. Graduates can pursue careers in workplace wellness, the medical field or public health, among many other career options, though most career areas do require more training than a minor alone can provide.

**Contact Information:**
Health Solutions, College of
College of Health Solutions

https://chs.asu.edu/undergraduate-certificates/majorinfo/NHPHLMIN/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## Pharmacology and Toxicology Minor (ASPTXMIN)

**Campus:** West, Online

**Description:** A minor in pharmacology and toxicology provides students with biology and chemistry courses to help prepare them to explore how chemicals (drugs and environmental toxicants) affect living organisms.

Students learn to identify chemical characteristics leading to beneficial and adverse effects, describe how chemicals are evaluated for regulatory purposes, and summarize holistically how drugs and toxicants elicit their effects.

**Program Requirements:**
The minor in pharmacology and toxicology consists of 20 credit hours. A minimum of 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required -- 14 credit hours
BCH 371: Modern Concepts in Biochemistry (3)
BIO 182: General Biology II (SG) (4)
CHM 116: General Chemistry II (SQ) (4)
PTX 301: Basics of Pharmacology and Toxicology (3)

Upper-Division Electives (choose two) -- 6 credit hours
PTX 401 / FOR 401: Forensic Toxicology (3)
PTX 432 / LSC 432: Fundamentals of Pharmacology (3)
PTX 475 / FOR 475 / LSC 475: Principles of Toxicology (3)
PTX 499: Individualized Instruction (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in pharmacology and toxicology, BS in biology (pharmacology/toxicology)

Other Enrollment Requirements: The following prerequisite courses do not count toward the minor, but may be needed in order to complete the requirements of the minor:
BIO 181 General Biology I
BIO 353 Cell Biology
CHM 113 General Chemistry I
CHM 233 General Organic Chemistry I AND CHM 237 General Organic Chemistry Laboratory I
CHM 234 General Organic Chemistry II AND CHM 238 General Organic Chemistry Laboratory II
LSC 347 Fundamentals of Genetics

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Relevant career paths include the pharmaceutical industry, regulatory fields such as environmental risk assessment, and graduate programs in public health, pharmacology, toxicology or environmental health sciences.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASPTXMIN/undergrad/true/177
FAB N101

mnsadvising@asu.edu
602-543-3000

## Philosophy Minor (ASPHIMIN)

**Campus:** West

**Description:** The minor program in philosophy provides students with an understanding of central philosophical issues, problems and ideas; a capacity for critical thinking and analytic reasoning; and the ability to present one's positions effectively through oral and written communication.

The program is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**
The minor in philosophy consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students pursuing this minor will work with an academic advisor to choose and complete six courses from the list below or from the PHI subject area. Credit hours may not be shared between major and minor requirements. Six hours maximum of PHI/REL 484 and/or PHI/REL 499 may apply. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Course List (minimum 12 upper-division credit hours) -- 18 credit hours
ENG 401: Topics in Critical Theory (3)
IAS 340 / PHI 320: Bioethics (HU) (3)
IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)
IAS 410: Evolution of Ideas (L or HU) (3)
IAS 417 / PHI 417: Philosophy of Censorship (L or HU) (3)
IAS 430: Science and Religion (L or HU) (3)
IAS 450 / PHI 450 / REL 450: Philosophical and Spiritual Issues in Death and Dying (3)
PHI 101: Introduction to Philosophy (HU) (3)
PHI 103: Principles of Sound Reasoning (L or HU) (3)
PHI 303 / REL 300: The Future of Religions (L or HU) (3)
PHI 304: Existentialism (HU) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 311: Philosophy and Literature (HU) (3)
PHI 318: Philosophy of Religion (HU) (3)
PHI 339: Philosophy of Art (HU) (3)
PHI 360: Business and Professional Ethics (HU) (3)
PHI 391 / REL 391: Historical Perspectives on Philosophy and Religion (3)
PHI 408: Feminist Ethics (HU) (3)
PHI 411: Continental Philosophy (HU) (3)
PHI 412: Philosophy and Literary Criticism (HU) (3)
PHI 415: Philosophy and Film (HU) (3)
PHI 439: Philosophy of Love and Sex (HU) (3)
PHI 484 / REL 484: Internship (3)
PHI 494 / REL 494: Special Topics (3)
PHI 499: Individualized Instruction or REL 499: Individualized Instruction (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in philosophy is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Graduates who have completed the minor in philosophy have critical thinking and strong communication skills essential to

success in health care, law, public service, journalism, business and education. The minor program provides ideal preparation for careers in a wide range of careers, including:

- entrepreneur
- intelligence analyst
- lawyer
- medicine
- minister
- paralegal
- politician
- real estate agent
- teacher or professor
- writer

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASPHIMIN/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Philosophy Minor (LAPHIMIN)

**Campus:** Tempe, Online

**Description:** The minor in philosophy provides students with an understanding of philosophical inquiry and method. The program offers an introduction to central themes both in the history of philosophy and in the current literature. Students in this minor have the opportunity to sharpen their critical-reasoning skills while addressing profound questions regarding the nature of:

- existence
- knowledge
- law
- morality
- politics
- science

**Program Requirements:**
The minor in philosophy consists of 18 credit hours, of which at least 12 must be upper division. At least six upper-division credit hours must be in courses offered by The College of Liberal Arts and Sciences. Each course must be completed with a minimum grade of "C" (2.00 on a 4.00 scale) or higher.
The minor in philosophy is also available to complement the studies of ASU Online students. Certain course selections below are offered as oCourses to accommodate ASU Online students.

Subdisciplinary Electives -- 18 credit hours
Subdisciplinary Elective (6)
Upper Division Subdisciplinary Elective (12)
Available subdisciplines are epistemology, ethics and political philosophy, history of philosophy, logic, and metaphysics. Students choose courses from the philosophical subdiscipline lists, with no more than two courses from any single track. Courses in the "other" list cover multiple subdisciplines and students may apply these courses within the minor without limit. Students should consult with an academic advisor in the School of Historical, Philosophical and Religious Studies about a proposed selection of courses before enrolling.

Epistemology
PHI 313: Probability, Evidence, and Decision (3)
PHI 314: Philosophy of Science (HU) (3)
PHI 325: Philosophy of Social Science (HU or SB) (3)
PHI 330: Theory of Knowledge (HU) (3)

Ethics and Political Philosophy
PHI 105: Intro to Ethics (HU) (3)
PHI 107: Introduction to Philosophy of Sex and Love (HU) (3)
PHI 120: Introduction to Medical and Bioethics (HU) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 307: Philosophy of Law (HU) (3)
PHI 310: Environmental Ethics (HU) (3)

PHI 320: Bioethics (HU) (3)
PHI 324: Existential Ethics (HU) (3)
PHI 326: Philosophy of Happiness (HU) (3)
PHI 335: History of Ethics (HU) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 337: Ethical Theory (HU) (3)
PHI 338: Metaethics (3)
PHI 347: Philosophical Theories of Constitutional Law (3)
PHI 360: Business and Professional Ethics (HU) (3)
PHI 370: Sports Ethics (HU) (3)
PHI 405: Moral Psychology (3)
PHI 406: Moral Dilemmas (L or HU) (3)
PHI 408: Feminist Ethics (HU) (3)
PHI 409: Eco-Community Ethics (HU) (3)

History of Philosophy
PHI 304: Existentialism (HU) (3)
PHI 328: History of Ancient Philosophy (HU & H) (3)
PHI 329: History of Modern Philosophy (HU & H) (3)
PHI 401: Rationalism (3)
PHI 402: Empiricism (HU) (3)
PHI 403: Contemporary Analytic Philosophy (HU) (3)

Logic
PHI 103: Principles of Sound Reasoning (L or HU) (3)
PHI 333: Symbolic Logic (3)
PHI 413: Advanced Symbolic Logic (3)

Metaphysics
PHI 318: Philosophy of Religion (HU) (3)
PHI 331: Philosophy of Language (HU) (3)
PHI 332: Metaphysics (HU) (3)
PHI 334: Philosophy of Mind (HU) (3)

Other
PHI 101: Introduction to Philosophy (HU) (3)
PHI 311: Philosophy and Literature (HU) (3)
PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)
PHI 322: History and Philosophy of Sustainability (3)
PHI 339: Philosophy of Art (HU) (3)
PHI 371: Philosophy of Sport (HU) (3)
PHI 390: Jewish Philosophy (3)
PHI 391: Historical Perspectives on Philosophy and Religion (3)
PHI 417: Philosophy of Censorship (L or HU) (3)
PHI 452: Philosophy of Biology and Medicine (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in philosophy; BA in philosophy (morality, politics and law); BA in philosophy (science, nature and mind)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor can help students demonstrate marketable skills that complement their major program. A minor in philosophy is of benefit in a wide range of careers in fields that value analytical and reasoning skills and, in particular, strong communication and writing skills. Students often pursue careers in fields such as business law, politics, medicine and education.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Physics Minor (LAPHYMIN)

**Campus:** Tempe, Online

**Description:** The physics minor provides students with the fundamental concepts of physics beyond the introductory level. Through rigorous hands-on experience, students deepen their understanding of foundational concepts and develop their quantitative skills.

Through upper-division electives, students can tailor the minor to enhance their career outlook.

**Program Requirements:**
The minor in physics requires a minimum of 24 credit hours, at least 12 of which must be completed at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 12 credit hours
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) or PHY 150: Physics I (SQ) (4)
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) or PHY 151: Physics II (SQ) (4)
PHY 252: Physics III (SQ) or PHY 241: University Physics III AND PHY 202: Programming for Physicists (4)

Electives -- 12 credit hours
Choose one of the following options for the remaining required coursework. (12-15)

Option 1
PHY 361: Introductory Modern Physics (3)
PHY 333: Electronic Circuits and Measurements or PHY 334: Advanced Laboratory I (L) (3)
PHY Upper Division Elective (6)

Option 2
PHY 201 and PHY 302 are required.
PHY 201: Mathematical Methods in Physics I (CS) (3)
PHY 302: Mathematical Methods in Physics II (3)
Select nine additional credit hours (three courses) from the below list.
PHY 310: Classical Particles, Fields, and Matter I (3)
PHY 311: Classical Particles, Fields, and Matter II (3)
PHY 314: Quantum Physics I (3)
PHY 315: Quantum Physics II (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in applied physics; BS in biophysics; BA and BS in physics; BS in physics (secondary education)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's

ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Graduates with a minor in physics have additional analytical and problem-solving skills which are of benefit as they pursue careers in technical fields.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Physics
physics.asu.edu
PSF 470
physics.undergrad@asu.edu
480-965-3561

## Physics Minor (LSPHYMIN)

**Campus:** Polytechnic

**Description:** The physics minor program provides a rigorous foundation in physics with an emphasis on fundamental concepts and hands-on experience. The program broadens and deepens a student's understanding of the field and increases options for employment and graduate study.

The primary emphasis of the physics minor is to give students experience through applied and computational physics projects. The projects are guided by faculty with expertise in the physics of semiconductors and graphene, quantum nano-optics, laser physics and materials science.

The program is offered by the College of Integrative Sciences and Arts at the Polytechnic campus.

**Program Requirements:**
The minor in physics requires 23 credit hours, including a minimum of 12 upper-division credit hours. A minimum of nine upper-division credit hours must be taken in courses offered by the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 17 credit hours
PHY 121: University Physics I: Mechanics (SQ) (3)
PHY 122: University Physics Laboratory I (SQ) (1)
PHY 131: University Physics II: Electricity and Magnetism (SQ) (3)
PHY 132: University Physics Laboratory II (SQ) (1)
PHY 314: Quantum Physics I (3)
PHY 321: Vector Mechanics and Vibration (3)
PHY 499: Individualized Instruction (3)

Electives (choose two) -- 6 credit hours
PHY 201: Mathematical Methods in Physics I (CS) (3)
PHY 302: Mathematical Methods in Physics II (3)
PHY 331: Principles of Modern Electromagnetism (3)
PHY 361: Introductory Modern Physics (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00 or higher

Incompatible Majors: BA or BS in physics

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in physics can help students expand analytical skills as they pursue careers in engineering, postsecondary education or mechanical design.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Political Science Minor (ASPOLMIN)

**Campus:** West

**Description:** The minor program in political science helps students gain an understanding of theory, practice and policy underlying local, national and international political processes and trains students in the research skills necessary for the analysis of complex local and global sociopolitical issues.

Students engage in a flexible program of learner-centered coursework in political theory, American political institutions, and international relations and world affairs. The curriculum focuses on international urban, race or ethnic sociopolitical areas and internships and service-learning or action research opportunities. Under the direction of faculty, students focus on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas, and the world.

The degree is offered by the School of Social and Behavioral Sciences.

**Program Requirements:**
The minor in political science consists of 18 credit hours, requiring a minimum of 12 upper-division credit hours. A minimum of six upper-division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses (choose two) -- 6 credit hours
POS 110: American Government and Politics (SB) (3)
POS 150: Comparative Government (SB & G) (3)
POS 160: Global Politics (SB & G) (3)
POS 210: Political Ideologies (SB) (3)

Research Methods (choose one) -- 3 credit hours
SBS 302: Qualitative Methods (3)
SBS 303: Quantitative Methods (3)
SBS 304: Social Statistics I (CS) (3)

Upper-Division Interdisciplinary Track -- 9 credit hours
Choose one course from each of three upper-division Interdisciplinary Tracks.

Upper-Division Social Justice and Inequality Interdisciplinary Track -- 3 credit hours
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)
HST 441 / LAS 441: Latin America and the World Economy (L & G & H) (3)
JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)
POS 342: Political Theory (HU or SB) (3)
POS 446: Democracy (HU) (3)
POS 480 / SBS 480: Global Justice (G) (3)
POS 494: Everyday Forms of Political Resistance (3)
SBS 301: Cultural Diversity ((L or SB) & C) (3)
SOC 331: Environmental Sociology (SB & G) (3)
SOC 352: Social Change (SB & G & H) (3)
SOC 426: Social Inequalities (SB) (3)

Upper-Division Law, Citizenship, Borders Interdisciplinary Track -- 3 credit hours
ASB 340 / SOC 328: Migration and Culture (SB & G) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)
POS 310: American National Government (SB) (3)
POS 360: World Politics (SB & G) (3)
POS 361: American Foreign Policy (SB & G) (3)
POS 446: Democracy (HU) (3)
POS 465: International Organization and Law (SB & G) (3)

POS 480 / SBS 480: Global Justice (G) (3)

Upper-Division Identity and Place Interdisciplinary Track -- 3 credit hours
ETH 430 / LAS 430 / WST 430: Gender on the Borderlands (SB & G) (3)
ETH 433 / WST 433: Race and Sexualities in Social Justice Movements (3)
ETH 473 / LAS 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)
HST 376 / LAS 376: Modern Latin America (SB & G & H) (3)
POS 350: Comparative Politics (SB & G) (3)
POS 357: South Asia Politics (SB & G) (3)
POS 361: American Foreign Policy (SB & G) (3)
POS 437 / SOC 437: Women, Power, and Politics (G) (3)
WST 428: Gender, Madness and Justice (SB) (3)

Credit is only granted for POS 110 or POS 310.
Credit is only granted for POS 160 or POS 360.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA or BS in political science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border.

Many use the degree as a gateway to law school or as basis for graduate work in professional schools or in applied fields such as:

- community development
- political science
- public administration
- public policy
- social science disciplines
- urban affairs and urban and regional planning

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASPOLMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Political Science Minor (LAPOSMIN)

**Campus:** Tempe, Online

**Description:** The minor program in political science offers students exposure to the skills and knowledge that will help them participate effectively as citizens in a democratic political system and flourish in the rapidly developing globalization of the world's political institutions, cultures and economies.

The program provides students with an introduction to the tools and skills necessary to link theory with real-world problems and issues.

Courses in constitutional law or covering the U.S. Supreme Court as part of the minor can benefit those interested in law school.

**Program Requirements:**
The minor in political science consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit

hours must be taken in courses offered by The College of Liberal Arts and Sciences. Only courses completed with a grade of "C" (2.00 on a scale of 4.00) or better can be used to satisfy minor requirements.

Required Courses (choose two) -- 6 credit hours
POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) (3)
POS 150: Comparative Government (SB & G) (3)
POS 160: Global Politics (SB & G) (3)
POS 210: Political Ideologies (SB) (3)

Electives -- 12 credit hours
POS Upper Division Elective (12)

No more than three credit hours of POS 484 Internship and three credit hours of POS 499 Individualized Instruction may be applied to the minor. Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in political science, BS in politics and the economy, BA in business (global politics)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in political science can benefit graduates as they pursue careers in government, public policy, advocacy or international relations.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/
COOR 6797
spgs-ugadvising@asu.edu
480-965-8563

## Portuguese Minor (LAPORMIN)

**Campus:** Tempe

**Description:** Students pursuing the minor in Portuguese gain an understanding of the language, literature and cultures of Portuguese-speaking countries.

Portuguese is the official language of Portugal, Brazil, Mozambique, Angola, Guinea-Bissau, East Timor, Equatorial Guinea, Macau, Cape Verde, and São Tomé and Príncipe. It is also an official language of both the African Union and the European Union. It¿s the sixth most spoken language in the world, and the second most spoken Romance language (second to Spanish).

**Program Requirements:**
The Portuguese minor requires a minimum of 18 credit hours, at least 12 of which must be upper division. Only courses completed with a grade of "C" (2.00 on a 4.00 scale) or higher can be used to fulfill minor requirements.

Portuguese Language -- 6 credit hours
POR 301: Portuguese for Spanish Speakers I (3)
POR 302: Portuguese for Spanish Speakers II (3)

Electives (choose four) -- 12 credit hours
At least two courses must be completed at the upper-division level.

GCU 323: Geography of Latin America (SB & G) (3)
POR 194: Desert Landscapes of Brazil: Soc&Culture of Sertão (3)
POR 194: Food, Culture, and Society in Latin America (3)
POR 460: Brazilian Society Through Music (HU & G) (3)
POR 472: Transatlantic Encounters: Brazil and Portugal (HU & G) (3)
POR 490: Consumer Culture in Latin America (3)
POR 494: Global Challenges in Cinema:Brazil,Africa,Portugal (3)
POR 494: Why is the Amazon Burning? (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Global Opportunities:**
Global Experience: Students in the minor have the opportunity to attend the following summer study abroad program through the Global Education Office and approved by the School of International Letters and Cultures to give them a global experience studying the language and culture of Brazil.

UA: Arizona Summer in Brazil (https://studyabroad.asu.edu/index.cfm?FuseAction=Programs.ViewProgramAngular&id=11518)

- This is an ASU-authorized summer program.
- Students can advance their Portuguese language skills during this summer program to the vibrant coastal city of Fortaleza, in northeastern Brazil.
- In addition to courses taught by local Brazilian faculty, students will live with a host family to experience Brazilian culture firsthand and to further develop their Portuguese skills.
- Common excursions on this program include trips to Jericoacoara and Canoa Quebrada, two beautiful beach towns located in the state of Ceará.
- This program is open to students of any major; based on course offerings, it is ideal for students seeking courses in Portuguese language.
- POR 102 credit is a prerequisite to participate in this program.

**Career Opportunities:** A minor enables students to enhance marketable skills and knowledge they acquire in their major program and also to develop additional competencies. Because of the growing economies of many of the countries in which Portuguese is spoken, a minor in this language can prove a valuable addition to students' resumes.

More specifically, a minor in Portuguese can help students with communication and cultural competency skills as they pursue career fields such as these:

- diplomacy
- education
- entertainment
- international business
- interpretation and translation
- marketing
- military
- political analysis
- sociology
- science and technology
- tourism and hospitality

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/
DH 131
silcadvising@asu.edu

480-965-6281

## Project Management Minor (LSPROMAMIN)

**Campus:** Polytechnic, Tempe, Online

**Description:** The minor in project management prepares students to manage complex projects and lead project management teams in a variety of professional settings. The project management minor complements many majors at ASU because project management skills enhance and enrich the skills students acquire from a variety of majors.

Students learn the skills needed to manage complex projects in fields like engineering, business, health care, information technology, sustainability, computing, public and nonprofit sectors and many more. Students learn skills in project leadership, project quality management, project risk management, project schedule management, project cost management and project resource management.

**Program Requirements:**
The minor in project management requires 18 credit hours, including a minimum of 12 upper-division credit hours.

Required Core Courses -- 6 credit hours
PMG 240: Introduction to Project Management (3)
PMG 321: Project Leadership, Strategy and Scope (3)

Electives (choose four) -- 12 credit hours
PMG 322: Project Schedule Management (3)
PMG 323: Project Cost Management (3)
PMG 324: Resources in Project Management (3)
PMG 326: Project Procurement Management (3)
PMG 421: Project Risk Management (3)
PMG 422: Project Quality Management (3)
PMG 240 is needed as a prerequisite for all 300-level minor courses and PMG 321 is required for all 400-level minor courses.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00 (university minimum)

Incompatible Majors: BA in organizational leadership (project management)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in project management can help students with leadership skills, communication, problem-solving, assessment, effectiveness and cultural competency skills as they pursue careers in account management, facilities management, project management and senior leadership roles. Employers in many fields seek to hire and promote those who can skillfully manage complex projects and lead project management teams.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/
USE 138
CISA@asu.edu
480-965-4464

## Psychology Minor (ASPGSMIN)

**Campus:** West, Online

**Description:** The minor program in psychology provides students with the opportunity to study the scientific nature of the behavior and mental processes of individuals and groups.

The study of psychology includes basic and applied courses in the subfields of clinical, developmental, organizational, cross-cultural and social psychology, cognitive systems and behavioral neuroscience, and this program emphasizes the development of wide-ranging skills in critical thinking and reasoning, quantitative and qualitative research methods, working collaboratively on teams, and presentation of information in oral and written form.

The psychology minor prepares students for more advanced study in psychology at the graduate level, in either graduate or professional schools.

**Program Requirements:**
The minor in psychology consists of 22 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six credit hours must be taken from the School of Social and Behavioral Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Foundations of Psychological Science -- 10 credit hours
PSY 101: Introduction to Psychology (SB) (3)
PSY 230: Introduction to Statistics (CS) (3)
PSY 290: Research Methods (L or SG) (4)

Upper-Division Cognitive Science Focus Area -- 6 credit hours
PSY 320: Learning and Motivation (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 325: Physiological Psychology (3)
PSY 330: Statistical Methods (CS) (3)
PSY 360: Cognitive Science (3)
PSY 369: Biology of Human Sexuality (3)
PSY 434: Cognitive Psychology (L) (3)
PSY 470: Psychopharmacology (3)

Upper-Division Social/Developmental Focus Area -- 3 credit hours
PSY 315: Personality Theory and Research (SB) (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 350: Social Psychology (SB) (3)
PSY 366: Psychological Disorders (SB) (3)
PSY 443: Child and Adolescent Psychological Disorders (L or SB) (3)

Upper-Division Psychology Elective Course -- 3 credit hours
PSY Upper Division Elective (3)
Notes: Experiential coursework (PSY 384, 399, 484, 493, or 499) may be used to fulfill the Upper Division Psychology Elective requirement. PSY 492 does not apply.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in psychology (including all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor in psychology is a strong addition to any major and prepares students for careers in diverse areas such as

education, government, business and industry, health care and social services.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASPGSMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Psychology Minor (LAPGSMIN)

**Campus:** Tempe

**Description:** The minor program in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view.

Students who complete the minor in psychology possess a breadth of knowledge across may areas of psychology. They are able to use basic research and quantitative methods to gather and synthesize psychological findings. Ultimately, they come to understand the relevance and applicability of psychological principles, approaches and findings to individual, group and social issues. In doing so, they are prepared to pursue productive careers and engage on a daily basis with the increasingly complex, information-rich world.

**Program Requirements:**
The minor in psychology consists of completing 18-19 credit hours of coursework in psychology. Twelve credit hours must be completed at the upper-division level, of which at least six credit hours must be completed in courses offered by The College of Liberal Arts and Sciences Department of Psychology. All courses for the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Course -- 3 credit hours
PSY 101: Introduction to Psychology (SB) (3)

Minor Electives -- 15 credit hours
PSY 290: Research Methods (L or SG) (4)
PSY 302: The Psychology of Positive Leadership (3)
PSY 315: Personality Theory and Research (SB) (3)
PSY 320: Learning and Motivation (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 325: Physiological Psychology (3)
PSY 330: Statistical Methods (CS) (3)
PSY 335: Positive Psychology (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 350: Social Psychology (SB) (3)
PSY 366: Psychological Disorders (SB) (3)
PSY 370: Interpersonal Relationships (SB) (3)
PSY 390: Experimental Psychology (L) (3)
PSY 394: Consumer Psychology (3)
PSY 394: Dog Behavior (3)
PSY 394: Foundations of Human Sexual Behavior (3)
PSY 394: Sleep and Dreaming (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in psychology (including all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills

they acquire in their majors.

Graduates with a minor in psychology are knowledgeable in the complexities of human behavior and interpersonal skills, of benefit as they pursue careers in human resources, management or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/
PSY 202
psych.advisor@asu.edu
480-965-7258

## Psychology Minor (LSPGSMIN)

**Campus:** Polytechnic

**Description:** Psychology is the scientific study of mind and behavior. The psychology minor emphasizes the development of wide-ranging skills in critical thinking and reasoning, research methods, working collaboratively on teams and presenting information in oral and written form. The psychology minor adds value to students' major degrees through knowledge of concepts, theories and empirical research in mental processes and behavior.

**Program Requirements:**
This minor requires 22 credit hours. At least six credit hours must be taken from courses offered by the College of Integrative Sciences and Arts.

Required Courses -- 10 credit hours
PSY 101: Introduction to Psychology (SB) (3)
PSY 230: Introduction to Statistics (CS) (3)
PSY 290: Research Methods (L or SG) (4)

Electives (choose four) -- 12 credit hours
PSY 304: Effective Thinking (L) (3)
PSY 306: Environmental Psychology (SB) (3)
PSY 315: Personality Theory and Research (SB) (3)
PSY 320: Learning and Motivation (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 350: Social Psychology (SB) (3)
PSY 366: Psychological Disorders (SB) (3)
PSY 369: Biology of Human Sexuality (3)
PSY 385: Psychology of Gender (SB) (3)
PSY 425: Biological Bases of Behavior (L) (3)
PSY 430: Industrial Psychology (3)
PSY 444: Adolescent Psychology and Psychopathology (3)
PSY 447: Psychology of Aging (SB) (3)
PSY 453: Organizational Behavior (SB) (3)
PSY 470: Psychopharmacology (3)
PSY 472: Clinical Psychology (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA or BS in psychology

Other Enrollment Requirements: None

The department does not offer any iCourse or oCourse sections for this minor.

The minor in psychology is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear

on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** A minor can help students enhance the marketable skills they acquire in their major, diversify their skills with training in another discipline, and improve their future job outlook. Although most careers require more training than a minor alone can provide, a minor in psychology can add value for students who pursue careers in business, education or health care.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Public Relations and Strategic Communications Minor (HSPRSMIN)

**Campus:** West

**Description:** The minor program in public relations and strategic communications provides students with professional and academic expertise in areas as diverse as persuasion and campaign communications, public relations, crisis communications, special-events planning, marketing, and professional writing and editing. Additionally, students refine the presentation skills needed for public and community relations.

**Program Requirements:**
The minor in public relations and strategic communications consists of 18 credit hours (a minimum of 12 must be upper division). A minimum of six upper-division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. Credit hours may not be shared between a student's major and minor requirements. Electives not on course list must be approved by an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Core Courses (choose three) -- 9 credit hours
COM 319: Persuasion and Social Influence (SB) (3)
COM 320: Communication and Consumerism (SB) (3)
COM 353: Professional Communication (3)
COM 454: Rhetorical and Critical Approaches to Public Relations (3)

Electives (choose three) -- 9 credit hours
ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)
COM 259: Communication in Business and the Professions (3)
COM 319: Persuasion and Social Influence (SB) (3)
COM 320: Communication and Consumerism (SB) (3)
COM 353: Professional Communication (3)
COM 414: Crisis Communication (3)
COM 429: Semiotics and Visual Communication (3)
COM 450: Organizational Communication (SB) (3)
COM 454: Rhetorical and Critical Approaches to Public Relations (3)
COM 457: New Media (3)
COM 459: Theory and Methods of Social Media Networks (3)
COM 484: Internship (3)
ENG 301: Writing for the Professions (L) (3)
ENG 311: Persuasive Writing (L) (3)
ENG 410: Writing for Publication (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in public relations and strategic communications is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear

on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** The minor program in public relations and strategic communication helps prepare students for diverse opportunities in business, government, industry, professional sports, politics, writing and editing, and public relations.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/HSPRSMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Public Service and Public Policy Minor (PPPAFMIN)

**Campus:** Downtown Phoenix

**Description:** The minor program in public service and public policy prepares students for work in government at all levels and in nonprofit organizations, through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Students discover the challenges of management, learn how to lead a public organization, and understand the process of policy development.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. The program has an applied and professional focus which can enhance many other majors, enabling students to be more competitive when seeking a public sector job.

**Program Requirements:**
The minor in public service and public policy requires 18 credit hours.
A minimum of 12 credit hours must be taken in the School of Public Affairs at ASU.

Required Courses -- 9 credit hours
PAF 200: Public Service and Policy in the 21st Century (3)
PAF 300: Public Management and Administration (3)
PAF 340: Contemporary Policy Challenges (3)

Electives (select three courses) -- 9 credit hours
PAF 201: Economics and Public Policy (SB) (3)
PAF 305: Urban Governance (3)
PAF 351: Urban and Metropolitan Studies (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 420: Managing Across Boundaries (3)
PAF 470: Topics in Public Economics and Financial Management (3)
PAF 471: Public Policy Analysis (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in public service and public policy (all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students completing this minor are prepared to pursue a career in a field related to public administration or public policy. This may include opportunities as a policy analyst, entry-level manager or program coordinator in local, state or federal agencies, in nonprofit organizations, and in private organizations that interface with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs

https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Real Estate Minor (BAREAMIN)

**Campus:** Tempe

**Description:** The real estate minor program is designed to provide an understanding of the real estate industry and to complement the major area of study.

It consists of a strong foundation that includes real estate fundamentals, law, appraisal and land development. To complement the foundation, students may choose from a variety of courses such as investing, economics and urban issues.

**Program Requirements:**
Students must complete 18 credit hours, including 12 hours of required courses and six hours of electives.
Students must complete a minimum of 12 credit hours of resident credit for the minor. All courses must be completed with a grade of "C" (2.00) or better.
The upper-division required courses for this minor are restricted to students with at least 56 earned credit hours, a minimum 2.50 ASU GPA and completed course prerequisites.

Required Courses -- 12 credit hours
REA 380: Real Estate Fundamentals (3)
REA 401: Real Estate Appraisal (3)
REA 411: Real Estate Law (3)
REA 456: Real Estate Investments (3)

Electives (choose two) -- 6 credit hours
ACC 340: External Reporting I (3)
ACC 350: Internal Reporting (3)
ACC 444: Enterprise Process Analysis and Design (3)
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)
AGB 333: Agribusiness Finance (3)
AGB 452: Global Food and Agricultural Trade (3)
BUS 434: Business Risk Management (3)
CEE 300: Engineering Business Practice (L) (3)
CIS 308: Advanced Excel in Business (3)
CIS 309: Business Process Management (3)
CIS 311: Business Agile Project Management (3)
CIS 405: Business Intelligence (3)
CON 457: Principles of Leadership for Project Managers (3)
DSC 394: Design Entrepreneurship & Society (3)
DSC 494: Economics of Building Design (3)
ECN 315: Money & Banking (3)
EDS 301: Sustainable Community Design and Practices (HU) (3)
ENT 360: Entrepreneurship and Value Creation (3)
ENT 440: Entrepreneurship (3)
FIN 331: Financial Markets and Institutions (3)
GCU 357: Social Geography (SB) (3)
GCU 361: Urban Geography (SB) (3)
GPH 381: Geography of Natural Resources (G) (3)
LAP 353: Planting Design for Sustainable Landscapes (3)
MGT 400: Cross-Cultural Management (C & G) (3)
MGT 411: Leading Organizations (3)
MGT 430: Negotiations (3)
MKT 370: Professional Sales and Relationship Management (3)
MKT 390: Essentials of Marketing (3)
MKT 391: Essentials of Selling (3)
MKT 396: Essentials of Services Marketing (3)
MKT 410: Sales Management (3)
MKT 452: Business-to-Business Marketing Strategy (3)
PUP 301: Introduction to Urban Planning (L) (3)
PUP 410: Public Participation in Planning (3)
PUP 411: Environment, Justice and Cities (3)

PUP 432: Planning and Development Control Law (3)
PUP 452: Ethics and Theory in Planning (L) (3)
PUP 465: Sustainable Urbanism (3)
REA 441: Real Estate Land Development (3)
REA 494: Special Topics  (3)
SCM 314: Analytics for Logistics (3)
SCM 315: Business Decision Models (3)
SCM 344: Applied Logistics Management (3)
SCM 354: Procurement of Services (3)
SCM 385: Business and Sustainability I (3)
SCM 455: Research and Negotiation (3)
SCM 463: Global Supply Chain Management (G) (3)
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability (3)
SOS 310: Equity, Justice and Sustainability (3)
SOS 311: Future Thinking and Strategies (3)
SOS 320: Society and Sustainability (L or SB) (3)
SOS 321: Policy and Governance in Sustainable Systems (3)
SOS 323: Sustainable Urban Dynamics (3)
SOS 325: The Economics of Sustainability (3)
SOS 328: Sustainability and Enterprise (3)
SOS 385: Business and Sustainability I (3)
SOS 465: Sustainable Urbanism (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00 minimum

Incompatible Majors: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Graduates with a minor in real estate understand the complexity of real estate, and this competitive knowledge base is a benefit as they pursue careers in the real estate industry.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure webpage (https://admission.asu.edu/academics/licensure).

**Contact Information:**
Business, W. P. Carey School of
Department of Finance
https://wpcarey.asu.edu/
BA 160
wpcareyug@asu.edu
480-965-4227

## Recreation Management Minor (PPRECMIN)

**Campus:** Downtown Phoenix

**Description:** The minor program in recreation management introduces students to community recreation programming and planning for a variety of populations.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as social work, criminology and criminal justice, public affairs, kinesiology, psychology, sociology, education, nursing and many others might find this program a beneficial supplement to their existing program.

**Program Requirements:**
The recreation management minor requires completion of 15 credit hours: six credit hours of required courses and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours
PRM 120: Leisure and the Quality of Life (SB) (3)
PRM 203: Program Planning (3)

Electives (select three courses) -- 9 credit hours
CRD 302: Inclusive Community Development (SB & C) (3)
PRM 304: Recreation and Sport Planning and Facilities (L) (3)
Notes: Offered fall semester only
PRM 315: Creating Community Through Park and Recreation Systems (3)
Notes: Offered fall semester only
PRM 335: Sports and Recreation for Youth Development (3)
Notes: Offered spring semester only
PRM 453: Inclusive Community Sport (3)
PRM 475: Entrepreneurial Recreation and Tourism (3)
PRM 494: Special Topics (3)
RTH 364: Foundations of Recreation Therapy (SB) (3)

Standards
1. 15 hours of graded classroom coursework
2. minimum "C" (2.00 on a 4.00 scale) grade required for all courses in the minor
3. should be a junior to take 400-level courses
4. no double counting of courses for a major and the minor

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management; BS in recreation therapy; BS in parks and recreation management (therapeutic recreation)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. Graduates with a minor in recreation management can find opportunities in diverse settings involving a wide range of organizations, including recreation, sports and youth development.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Recreation Therapy Minor (PPRECTMIN)

**Campus:** Downtown Phoenix

**Description:** This minor program introduces students to the profession and practices of recreational therapy (https://www.atra-online.com/page/AboutRecTherapy (https://www.atra-online.com/page/AboutRecTherapy)) and how it can be utilized to improve individual and community well-being.

Students enrolled in the minor program gain the knowledge and requisite competencies to lead recreation-based therapeutic programs as a strategy for improving individual and community health. Through the curriculum, students learn the systematic process of conducting assessments,

developing service plans, implementing therapeutic interventions, evaluating, and documenting outcomes of care. Students examine the holistic benefits of recreational therapy through exposure to creative and expressive arts, adapted exercise and sport, aquatic therapy, therapeutic riding, horticulture therapy, community integration, leisure education and structured play.

The minor program is an ideal choice for individuals who believe in the importance of a healthy leisure lifestyle, advocate for accessible recreation opportunities, and are dedicated to the use of recreation-based interventions to improve well-being. The minor is a valuable supplement to degrees in related fields, helping students to develop a unique set of competencies, and it may also contribute to a pathway for becoming credentialed as a qualified provider of recreational therapy.

Students seeking professional certification in recreational therapy have the option to select specific recreational therapy content courses to contribute a portion of the requirements necessary for eligibility with the National Council for Therapeutic Recreation Certification (https://www.nctrc.org/ (https://www.nctrc.org/)).

**Program Requirements:**
The recreational therapy minor requires completion of 18 credit hours: 3 credit hours of required courses and 15 credit hours of elective courses. Students seeking the national credential in therapeutic recreation should select electives from that list.

Core Courses -- 3 credit hours
RTH 364: Foundations of Recreation Therapy (SB) (3)

Electives (choose 5 courses) -- 15 credit hours
Students interested in advancing knowledge in the field of therapeutic recreation and do not intend to seek eligibility for credentialing through the National Council for Therapeutic Recreation, pick 5 courses between elective classes and other elective classes. Students seeking the national credentialing through the National Council for Therapeutic Recreation (NCTRC), select five from Recreation Therapy elective list. (15)

Recreation Therapy Electives (students seeking national credentialing through the National Council for Therapeutic Recreation (NCTRC), select five courses from this list)
RTH 400: Intervention Techniques in Recreational Therapy (3)
Notes: Offered in spring semester only
RTH 406: Program Design and Administration in Recreational Therapy (3)
Notes: Offered in spring semester only
RTH 413: Leadership and Professional Development in Recreational Therapy (3)
RTH 440: Advocacy in Therapeutic Recreation (3)
RTH 450: Therapeutic Recreation and Community Health (3)
Notes: Offered in spring semester only
RTH 455: Recreational Therapy and Play with Children, Youth and Families (3)
RTH 460: Assessment and Documentation in Recreational Therapy (3)
Notes: Offered in fall semester only

Other Recreation Electives (note that these courses do not meet certification requirements)
CRD 302: Inclusive Community Development (SB & C) (3)
PRM 120: Leisure and the Quality of Life (SB) (3)
PRM 203: Program Planning (3)
PRM 335: Sports and Recreation for Youth Development (3)
PRM 453: Inclusive Community Sport (3)
Notes: Offered in fall semester only
RTH 284: Recreational Therapy Lab (3)
RTH 384: Recreational Therapy Practicum (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.50

Incompatible Majors: BS in recreation therapy; BS in parks and recreation management (therapeutic recreation)

Other Enrollment Requirements: none

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills

they acquire in their majors.

Graduates with a minor in recreational therapy can find opportunities in diverse settings including recreation, therapy and hospital settings.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/therapeutic-recreation
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Religious Studies Minor (ASRELMIN)

**Campus:** West

**Description:** The minor program in religious studies introduces students to the world's religious traditions and how these are used by humans to interpret experiences and find meaning. Students learn to think critically about religious worldviews and presuppositions and to explore the relation to contemporary challenges in the world.

**Program Requirements:**
The minor in religious studies consists of 18 credit hours, including a minimum of 12 upper-division credit hours. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Coursework taken to fulfill the requirements of the minor may not be used to fulfill requirements for your major. Consult with an academic advisor prior to enrollment.

Select six courses (minimum 12 upper-division credit hours) -- 18 credit hours
IAS 430: Science and Religion (L or HU) (3)
IAS 450 / PHI 450 / REL 450: Philosophical and Spiritual Issues in Death and Dying (3)
PHI 303 / REL 300: The Future of Religions (L or HU) (3)
PHI 318: Philosophy of Religion (HU) (3)
PHI 391 / REL 391: Historical Perspectives on Philosophy and Religion (3)
PHI 417: Philosophy of Censorship (L or HU) (3)
PHI 494: Special Topics (3)
REL 100: Religions of the World (HU & G) (3)
REL 200: Exploring the World's Religions ((L or HU) & G) (3)
REL 201: Religion and the Modern World (L or HU) (3)
REL 202: Religion and Popular Culture (HU & C) (3)
REL 203: Saints and Sinners: Explorations in Sacred Biography (HU & H) (3)
REL 205: Life, Sex and Death (HU) (3)
REL 207: Ritual, Symbol, and Myth (L or HU) (3)
REL 310: Western Religious Traditions (HU & H) (3)
REL 320: American Religious Traditions (HU & C & H) (3)
REL 321: Religion in America ((L or HU) & C & H) (3)
REL 345: Asian Religious Traditions (HU & G) (3)
REL 381: Religion and Moral Issues (L or HU) (3)
REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)
REL 401: Sacred Scriptures and Social Choices (HU & G) (3)
REL 494: Special Topics (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in religious studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students with a minor in religious studies seek employment in a variety of professional areas, including:

- chaplaincy
- diversity management
- education
- foreign service
- health care
- journalism
- mental health and counseling
- nonprofit organizations
- nongovernmental organizations
- public service

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASRELMIN/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Religious Studies Minor (LARELMIN)

**Campus:** Tempe, Online

**Description:** The minor in religious studies engages students in a comparative exploration of religions and cultures. This exploration leads to a deeper understanding of human nature, religious traditions and the roles religion plays in a pluralistic and globalizing world.

Students may pursue the minor in religious studies with regional, national, hemispheric, global and a variety of thematic emphases.

**Program Requirements:**
The minor in religious studies consists of 18 credit hours, at least 12 of which must be completed at the upper-division level. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences. All courses must be passed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours
REL 101: Religion, Culture and Public Life (HU & G) (3)

Electives -- 15 credit hours
REL Elective (3)
REL Upper Division Elective (12)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in religious studies; BA in religious studies (religion, culture and public life); BA in religious studies (religion, politics and global affairs)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in religious studies is of benefit to those who intend to pursue careers in education, law or journalism.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Romanian Minor (LAROMMIN)

**Campus:** Tempe

**Description:** The Romanian minor program provides students with the means to develop their interests in social, cultural and political matters while advancing their Romanian language skills.

**Program Requirements:**
The Romanian minor consists of a minimum of 18 credit hours, including nine credit hours of required core language courses and nine credit hours of upper-division electives. At least 12 credit hours must be upper division. Students choose from either the Romanian Advanced Language track or the Romanian Culture track for the upper-division electives. A minimum of six credit hours must be completed in residence at ASU. All courses must completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Core Language Courses -- 9 credit hours
ROM 202: Intermediate Romanian Language and Culture II (HU & H & G) (4)
Notes: Only three credit hours of ROM 202 apply to the minor. The extra credit hour will be applied to university electives.
ROM 313: Romanian Composition and Conversation (HU & H & G) (3)
ROM 314: Romanian Composition and Conversation (HU & H & G) (3)

Upper-Division Electives (choose one track) -- 9 credit hours
Upper Division Advanced Language or Culture Track (9)

Romanian Advanced Language Track
ROM 411: Advanced Spoken and Written Romanian I (HU & H & G) (3)
ROM 412: Advanced Spoken and Written Romanian II (HU & H & G) (3)
Choose one course from Romanian Culture track (3)

Romanian Culture Track
ROM 310 / SLC 310: Migration and Identity: Digital Storytelling (HU & G) (3)
ROM 442 / SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) (3)
ROM 494: Special Topics (3)
ROM 499: Individualized Instruction (3)
Notes: Maximum of three credit hours may be applied to the minor.
SLC 343: Culture and Society Transformation (SB & G) (3)
SLC 429: Studies in European Literature and Culture (3)

Course substitutions are permitted for heritage speakers and other advanced speakers of Romanian.
ROM 101 through 201 are not applicable to the minor.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Students who wish to add a minor in Romanian to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in Romanian studies equips students with communication and cultural competency skills, a valuable benefit for any profession they choose to pursue, such as careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-romanian-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Russian Minor (LARUSMIN)

**Campus:** Tempe

**Description:** Students pursuing a minor in Russian gain novice to intermediate language skills and an understanding of the literature and cultures of Russian-speaking peoples and regions. With Russia as an active player in world affairs on the international stage, knowledge of Russian language and culture is a valuable asset for students interested in government, diplomacy and international affairs and commerce.

The Russian language program cooperates with the Melikian Center to offer a transdisciplinary baccalaureate certificate in Russian, Eurasian and East European studies for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Students are encouraged to study abroad. The ASU exchange program in Russian language and translation offers students the opportunity to study in Moscow, St. Petersburg or Kazan.

**Program Requirements:**
The Russian minor consists of 18 credit hours, of which at least 12 credit hours must be upper division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Core Requirements -- 6 credit hours
RUS 311: Russian Society I (G) (3)
RUS 312: Russian Society II (G) (3)

Literature Course (choose one) -- 3 credit hours
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)
RUS 421: Pushkin (L or HU) (3)
RUS 425 / THE 425: Chekhov and Russian Drama (L or HU) (3)
RUS 430: Russian Short Story (L or HU) (3)
RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (L or HU) (3)

Electives (choose three) -- 9 credit hours
At least one course must be completed at the upper-division level.
RUS 141: Russian Civilization: From Tsars to Putin ((L or HU) & G & H) (3)
RUS 211: Conversational Russian I (G) (3)
RUS 212: Conversational Russian II (G) (3)
RUS 294: Russian Pop Culture: Protest and Propaganda (3)
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)
RUS 411: Russian Language, History and Culture I (G) (3)
RUS 412: Russian Language, History and Culture II (G) (3)
RUS 421: Pushkin (L or HU) (3)
RUS 430: Russian Short Story (L or HU) (3)
RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (L or HU) (3)
RUS 440: Russian Mass Media (G) (3)
RUS 484: Internship (3)
RUS 493: Honors Thesis (L) (3)
SLV 304: Digital Humanities for Language Majors (CS) (3)
SLV 440: History of Slavic Languages (SB) (3)
SLV 484: Internship (3)
SLV 493: Honors Thesis (L) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in Russian

Other Enrollment Requirements: None

Students who wish to add a minor in Russian may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in Russian studies equips students with communication and cultural competency skills, a valuable benefit for any profession they choose to pursue, such as careers in political analysis, education, tourism and hospitality, the military and sociology or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-russian-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Science, Technology and Society Minor (ECSTSMIN)

**Campus:** Polytechnic

**Description:** Life in today's world is characterized by rapid technological change and uncertainty. Mastering the intricacies of the interrelationships between technology and human systems enhances a degree in any area and provides graduates with the insights and skills required for success in any endeavor.

**Program Requirements:**
The minor in science, technology and society requires 18 credit hours, including a minimum of 12 upper-division credit hours. A minimum of six upper-division credit hours must be taken in courses offered by the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

General Course -- 3 credit hours
ISS 301: Integrated Social Science Research Methods (SB) or POS 301: Empirical Political Inquiry (SB) or STS 301: Research in Science and Technology Studies (SB) (3)
STS 101: Introduction to Science, Technology and Society (SB) or STS 304: Science, Technology and Society (SB) (3)

Electives (choose five) -- 15 credit hours
ISS 302: Scope of Social Science (SB) (3)
POS 316: American Political Institutions (3)
POS 325: Public Policy Development (SB) (3)
POS 485: Political Economy (SB) (3)
STS 302: Philosophy of Science and Technology (SB) (3)
STS 303: History of Science and Technology (H) (3)
STS 305: Science and Social Theory (SB) (3)
STS 306: Social Effects of Science and Technology (SB) (3)
STS 318: Science, Technology, and Government (SB) (3)
STS 325: Science, Technology, and Public Policy (SB) (3)
STS 328: Science, Technology, and Culture (SB) (3)
STS 329: Technology in Developing Countries (SB & G) (3)
STS 330: Information Technology and Globalization (SB & G) (3)
STS 331: Ethical Issues in Science and Technology (SB) (3)
STS 332: Global Issues in Science and Technology (SB) (3)
STS 364: Science, Technology, and National Security (SB) (3)
STS 425: Law, Values, Science, and Technology (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in science, technology and society

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in science, technology and society can help students understand the interrelationships between technology and human systems as they pursue careers in industrial design, urban planning or public relations.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Slavic Studies Minor (LASLVMIN)

**Campus:** Tempe

**Description:** The Slavic studies minor program focuses on Slavic languages and cultures with a concentration in either Bosnian/Croatian/Serbian or Polish.

It is designed to complement the studies of students from a wide range of disciplines (e.g., history, cultural anthropology, music, political science, economics) whose professional interests lie in Poland or the countries of southeastern Europe. The program places equal emphases on language, culture and regional studies. The minor develops limited professional linguistic proficiency in either BCS or Polish along with adequate cultural sensitivity.

**Program Requirements:**
The minor in Slavic studies requires 18 upper-division credit hours. A minimum of six upper-division credit hours must be taken in residence at ASU. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Slavic Language Courses -- 6 credit hours
Language sequence options for earning the required six credit hours are: complete BCS 311 and BCS 312, or BCS 495 taken twice; OR PLC 311 and PLC 312, or PLC 494 Polish for Heritage Speakers taken twice.
Course substitutions are permitted for heritage speakers and other advanced speakers of Slavic languages. Please contact the School of International Letters and Cultures for more information.
BCS 311: Bosnian/Croatian/Serbian Composition and Conversation I (3)
BCS 312: Bosnian/Croatian/Serbian Composition and Conversation II (3)
BCS 495: Serbo-Croatian for Heritage Speakers (3-6)
Notes: This course may be repeated for credit.
PLC 311: Advanced Polish I (3)
PLC 312: Advanced Polish II (3)
PLC 494: Polish for Heritage Speakers (3-6)
Notes: This topic may be repeated for credit.

Required Courses -- 9 credit hours
SLV 304: Digital Humanities for Language Majors (CS) (3)
SLV 440: History of Slavic Languages (SB) (3)
SLV 498: Pro-Seminar or SLV 498: Senior Capstone (3)

Slavic Upper-Division Elective (choose one) -- 3 credit hours

BCS 394: Special Topics (3)
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)
RUS 394: Special Topics (3)
RUS 421: Pushkin (L or HU) (3)
RUS 425: Chekhov and Russian Drama (L or HU) (3)
RUS 439: Art in Exile: Vladímir Vladímirovich Nabokov (L or HU) (3)
RUS 484: Internship (3)
RUS 493: Honors Thesis (L) (3)
RUS 499: Individualized Instruction (3)
SLV 484: Internship (3)
SLV 492: Honors Directed Study (3)
SLV 493: Honors Thesis (L) (3)
SLV 499: Individualized Instruction (3)

No lower-division language courses are applicable to the minor.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

Students who wish to add the minor in Slavic studies to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A Slavic studies minor equips students with communication and cultural competency skills, a valuable benefit for any profession they choose to pursue, such as careers in political analysis, sociology or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-slavic-studies
DH 131
silcadvising@asu.edu
480-965-6281

## Social Justice and Human Rights Minor (ASJHRMIN)

**Campus:** West, Online

**Description:** The minor in social justice and human rights at ASU's New College of Interdisciplinary Arts and Sciences encompasses both the social sciences and the humanities to prepare students to meet the challenges of today's issues of social justice and protection of human rights in local, national, international and global contexts.

Coursework prepares students to serve as advocates for alleviating political, economic and social inequality, and introduces students to principles and practices of everyday humanitarianism, multimedia advocacy, and theories and practices of social justice and human rights.

**Program Requirements:**
The minor in social justice and human rights consists of 18 credit hours (12 of which must be upper division); nine credit hours of core requirements and nine credit hours of interdisciplinary track coursework. A minimum of six credit hours must be taken through courses offered by the New College of Interdisciplinary Arts and Sciences. All courses used to meet requirements must be completed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)

Research Methods (Select one course) -- 3 credit hours
SBS 302: Qualitative Methods (3)
SBS 303: Quantitative Methods (3)
SBS 304: Social Statistics I (CS) (3)

Interdisciplinary Tracks -- 9 credit hours

Social Justice and Inequality (Select one course) -- 3 credit hours
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)
HST 441 / LAS 441: Latin America and the World Economy (L & G & H) (3)
JHR 294: Human Rights & Data (3)
JHR 378: Poverty, Inequality and Social Justice in Latin America (3)
POS 342: Political Theory (HU or SB) (3)
POS 446: Democracy (HU) (3)
POS 480 / SBS 480: Global Justice (G) (3)
POS 494: Everyday Forms of Political Resistance (3)
SBS 301: Cultural Diversity ((L or SB) & C) (3)
SOC 331: Environmental Sociology (SB & G) (3)
SOC 352: Social Change (SB & G & H) (3)
SOC 426: Social Inequalities (SB) (3)

Law, Citizenship, Borders (Select one course) -- 3 credit hours
ASB 340 / SOC 328: Migration and Culture (SB & G) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)
JHR 425: The Politics of Immigration (3)
JHR 494: International Law and Human Rights (3)
PAX 230: Introduction to Peace Studies (G) (3)
POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) (3)
POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) (3)
POS 210: Political Ideologies (SB) (3)
POS 361: American Foreign Policy (SB & G) (3)
POS 465: International Organization and Law (SB & G) (3)

Identity and Place (Select one course) -- 3 credit hours
ASB 211: Women in Other Cultures ((HU or SB) & G) (3)
ETH 430 / LAS 430 / WST 430: Gender on the Borderlands (SB & G) (3)
ETH 433 / JHR 433 / WST 433: Race and Sexualities in Social Justice Movements (3)
ETH 473 / LAS 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)
FOR 449 / LAS 449 / SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) (3)
HST 376 / LAS 376: Modern Latin America (SB & G & H) (3)
JHR 394: Human Rights in the Global South (3)
JHR 394: World Languages and Identity (3)
JHR 494: Political Representation in Latin America (3)
POS 150: Comparative Government (SB & G) (3)
POS 247: Introduction to Latin American Politics (SB & G) (3)
POS 350: Comparative Politics (SB & G) (3)
POS 357: South Asia Politics (SB & G) (3)
POS 361: American Foreign Policy (SB & G) (3)
POS 437: Women, Power, and Politics (G) (3)
SOC 264: Sociology of Gender (SB & C) (3)
SOC 270: Sociology of Race and Ethnicity (SB & C) (3)
WST 428: Gender, Madness and Justice (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in social justice and human rights; BA and BS in justice studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Students with this minor are employable in a variety of settings, including refugee resettlement agencies; agencies and shelters supporting survivors of domestic abuse; shelters for migrants, especially for unaccompanied minors; organizations assisting survivors of sex trafficking and human labor trafficking; agencies assisting veterans and others suffering from post-traumatic stress; and disaster relief agencies.

Possible career opportunities include:

- fundraising
- grant writing, humanitarian aid worker
- international governmental organization professional
- nongovernmental organization professional
- nonprofit agency manager

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASJHRMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Social Welfare Minor (LASSWMIN)

**Campus:** Downtown Phoenix, West, Online

**Description:** The social welfare minor program prepares students for work in human service settings where a fundamental knowledge of human relations is required.

The minor enhances and broadens students' abilities to analyze complex family, individual and societal problems in the context of societal values, cultural diversity and other social and economic variables. The program contributes to students' understanding of society and social behavior, encourages critical thinking and helps develop communication skills.

**Program Requirements:**
Students should:
1. be at sophomore standing to take 300- or 400-level courses
2. complete 18 credit hours of graded coursework (internship or independent study not applicable)
3. complete a minimum of 12 credit hours of resident credit at ASU
4. complete SWU 171 as the prerequisite for all upper-division SWU courses
5. earn a grade of "C" (2.00 on a 4.00 scale) or better for all courses in the minor
6. maintain a cumulative GPA of 2.00 (4.00 scale) or higher
7. consider meeting with a social welfare advisor prior to registration
8. take a minimum of 12 credit hours of upper-division coursework from the approved list

Required Courses -- 9 credit hours
SWU 171: Introduction to Social Work (SB & H) (3)
SWU 291: Social Service Delivery Systems (3)
SWU 332: Social Policy and Advocacy or SWU 432: Social Policy and Services (3)

Cultural Diversity in the United States Course (select one) -- 3 credit hours
SWU 374: Diversity and Oppression in a Social Work Context (C) (3)
SWU 456: Immigrants and Refugees (C) (3)
SWU 457: Southwest Borderland Immigration Issues (C) (3)
SWU 459: Spirituality and the Helping Professions (3)
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)

Elective Courses* -- 6 credit hours

SWU 303: Micro Human Behavior and the Social Environment (L or SB) (3)
SWU 340: Macro Human Behavior and the Social Environment (SB) (3)
SWU 454: Overview of Addictions (3)
SWU 456: Immigrants and Refugees (C) (3)
SWU 457: Southwest Borderland Immigration Issues (C) (3)
SWU 458: Behavioral Health Services (3)
SWU 459: Spirituality and the Helping Professions (3)
SWU 460: Legal Issues in Social Work (3)
SWU 461: Lesbian, Gay,  Bisexual, Transgender, and Queer Issues (C) (3)
SWU 462: Global Social Welfare (G) (3)
SWU 498: Pro-Seminar (L) (1-7)
*Note: Student may select one additional course from the cultural diversity in the U.S. options above.
*Note: SWU 456, SWU 457, SWU 459 and SWU 461 cannot be used to meet both the Cultural Diversity in the United States course requirement and an elective requirement.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BSW in social work; BA in public service and public policy (social services delivery); BA in community advocacy and social policy

Other Enrollment Requirements: None

Students should meet with a social welfare advisor prior to registration.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Graduates with a minor in social welfare are prepared for work in a variety of human service settings. This minor complements careers in journalism, communications, public administration, nursing and related fields, and it provides a foundation for students who seek to pursue an MSW.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/undergraduate-certificates/majorinfo/LASSWMIN/undergrad/true/8
UCENT 800
social.work@asu.edu
602-496-0800

## Social and Behavioral Sciences Minor (ASSBSMIN)

**Campus:** West

**Description:** The minor program in social and behavioral sciences provides students an interdisciplinary perspective across several fields of the social and behavioral sciences, including communication, sociocultural anthropology, geography, political science, psychology and sociology, enabling them to better understand and interact with people and society.

**Program Requirements:**
The minor in social and behavioral sciences consists of 18 credit hours, of which a minimum of 12 credit hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the New College of Interdisciplinary Arts and Sciences. A maximum of three credit hours of internship and three credit hours of individualized instruction may be used to fulfill requirements. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses -- 6 credit hours
SBS 200: Introduction to Social and Behavioral Sciences (SB) (3)
SBS 302: Qualitative Methods or SBS 303: Quantitative Methods (3)

Electives -- 12 credit hours
Choose electives from at least three of the listed subject areas.
ASB OR COM OR JHR OR POS OR PSY OR SBS OR SOC Elective (3)
ASB OR COM OR JHR OR POS OR PSY OR SBS OR SOC Upper Division Elective (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in social and behavioral sciences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** A minor in social and behavioral sciences is appropriate for any discipline that requires a solid background in social sciences. Students with this minor are prepared to work in community development, counseling, criminal justice, professional schools (e.g., law, public administration, social work), public policy, social science disciplines, urban studies, and planning.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASSBSMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Sociocultural Anthropology Minor (ASASBMIN)

**Campus:** West

**Description:** The minor in sociocultural anthropology, offered by the School of Social and Behavioral Sciences, is designed to provide students with a substantive understanding of the theoretical assumptions and methodological techniques underlying the field of sociocultural anthropology.

Courses provide students with knowledge about and theoretical approaches to cross-cultural studies and transnational research, emphasizing culture and political economy in historical context.

**Program Requirements:**
The minor in sociocultural anthropology requires 18 credit hours, at least six hours of which must be in upper-division coursework taken in the School of Social and Behavioral Sciences. Up to nine hours of ASB courses offered by other ASU campuses may be applied toward electives in the minor. Up to six hours of lower-division ASB credit, three hours of ASB 499 Individualized Instruction and three hours of ASB 484 Internship may be applied toward the minor. Up to three credit hours of any study abroad course, in any subject, may apply to this minor. All coursework within the minor must be passed with a minimum grade of "C" (2.00) or better.

Required Courses -- 6 credit hours
ASB 102: Introduction to Cultural Anthropology (SB & G) or ASB 311: Principles of Social Anthropology (SB & G & H) (3)
SBS 302: Qualitative Methods (3)

Electives (minimum 6 upper-division credit hours) -- 12 credit hours
ASB 211: Women in Other Cultures ((HU or SB) & G) (3)
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ASB 340 / SOC 328: Migration and Culture (SB & G) (3)
ASB 346: Marriage and Family Diversity (SB & C) (3)
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)
ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)
ASB 394: Special Topics (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)
ASB 484: Internship (3)
ASB 494: Special Topics (3)
ASB 499: Individualized Instruction (3)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)
SBS 301: Cultural Diversity ((L or SB) & C) (3)
SBS 480 / POS 480: Global Justice (G) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: None

Other Enrollment Requirements: None

The minor in sociocultural anthropology is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Career opportunities for graduates with a minor in sociocultural anthropology include:

- consultant
- cultural resource manager
- grant writer
- immigration officer
- nongovernmental staff member
- refugee counselor
- researcher
- United Nations staff member

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASASBMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Sociology Minor (ASSOCMIN)

**Campus:** West

**Description:** The minor program in sociology, offered by the School of Social and Behavioral Sciences, provides students with an understanding of the theory, practice and policy underlying issues of social change, inequality and diversity. These issues are approached from multiple perspectives, including race or ethnicity, gender, economic position, age, geographic location and position in the global political economy.

The student minoring in sociology learns how sociology enhances one's understanding of social realities and institutions at local, national and international levels and how it contributes to the other social sciences and to the humanities.

Students gain a basic understanding of the assumptions underlying the discipline of sociology and develop the research skills necessary for analysis of complex social issues. These objectives are met by offering a flexible program and by providing the student with individual and group experiences in working with faculty members on concrete intellectual and policy issues.

**Program Requirements:**
The minor in sociology consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper-division credit hours must be completed through the School of Social and Behavioral Sciences. A maximum of three credit hours of SOC 484 or SOC 499 may be used to fulfill the requirements of this minor. All courses used to satisfy requirements for the minor must be passed with a "C" or better.
Students wishing to pursue this minor must meet with an academic advisor in the School of Social and Behavioral Sciences to construct a minor that reflects a particular area of specialty and interest.

Foundation Requirement -- 3 credit hours
SOC 101: Introductory Sociology (SB) (3)

Select one course -- 3 credit hours

SBS 302: Qualitative Methods (3)
SBS 303: Quantitative Methods (3)
SBS 304: Social Statistics I (CS) (3)
SOC 426: Social Inequalities (SB) (3)
SOC 483: Sociological Theories (L or SB) (3)

Electives -- 12 credit hours
SOC Upper Division Elective (9)
SOC Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS or BA in sociology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Graduates are prepared for employment in corporate or governmental organizations as well as for continuation of their studies in graduate programs in sociology, social science or professional schools.

The sociological perspective is applicable to a wide variety of jobs in business, management, government, social services, the criminal justice system and the health professions. Coursework in sociology provides a valuable preparation for careers in journalism, law, the nonprofit sector, public administration and public relations. These are all fields that involve investigative skills and an ability to work with diverse groups.

Graduates with an advanced degree in sociology may become community activists, community developers, criminologists, demographers, gerontologists, organizational advocate, research analysts, statisticians, survey researchers or urban planners.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASSOCMIN/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Sociology Minor (LASOCMIN)

**Campus:** Tempe, Online

**Description:** The minor program in sociology provides an exceptional balance to studies in psychology, communication, education, business and nursing through basic coursework that explores social institutions and issues related to social change and social behavior.

The program is offered by the Sanford School of Social and Family Dynamics.

**Program Requirements:**
The minor in sociology requires 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken in courses offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
SOC 101: Introductory Sociology (SB) (3)
SOC 391: Applied Research Methods (L or SB) or SOC 483: Sociological Theories (L or SB) or SOC 486: Contemporary Theory (SB) (3)

Electives -- 12 credit hours
SOC Elective (3)
SOC Upper Division Elective (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA and BS in sociology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

A minor in sociology can benefit students as they pursue careers in counseling or social work, business, law and health care.

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
SS 144
advisor@asu.edu
480-965-6978

## Spanish Minor (ASSPAMIN)

**Campus:** West

**Description:** The minor program in Spanish adds to students' language fluency and also offers deep insight into the cultures of Spanish-speaking communities.

Learning a new language pushes the brain to get familiar with new grammar and vocabulary rules. It allows students to train their memory to remember new words, make connections between them, and use them in contextual situations.

**Program Requirements:**
The minor in Spanish consists of 18 credit hours, of which 15 credit hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Courses for the minor must be chosen in consultation with an academic advisor in the School of Humanities, Arts, and Cultural Studies. Preparatory coursework may not be used to satisfy requirements for the minor. Preparatory coursework includes Spanish lower-division language courses. All courses used to satisfy the requirements for the minor must be passed with a "C" or better.

Core Requirements -- 12 credit hours
SPA 202: Intermediate Spanish (G) (4)
Three of the four credit hours from SPA 202 are counted toward the minor. The additional credit hour is applied toward university elective credit hours.
SPA 313 AND SPA 314: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C) AND SPA 316: Advanced Spanish II for Bilinguals (L & C) (6)
SPA 325: Introduction to Hispanic Literature (HU) (3)

Upper-Division Electives -- 6 credit hours
Students should consult with an academic advisor to select six credit hours from the Spanish elective list or other appropriate courses from the LAS or SPA subjects, with the understanding that their coursework will be carried out in Spanish.
LAS 340: Latin American Women Writers (HU & G) (3)
LAS 350: The Construction of a Nation: Chile in the 20th/21st Century (3)
LAS 351: Cityscapes: Urban Mexican Literature and Culture (3)
LAS 355: Contemporary Mexican Cinema: Changing Cartographies (3)
LAS 394 / SPA 394: Global Central America: Markets, Migrations, Media (3)
LAS 394 / SPA 394: Special Topics (3)
LAS 430: Gender on the Borderlands (SB & G) (3)

LAS 450: Latina/os, Schooling and Social Inequality (C) (3)
LAS 471: Treaties and Cultural Production in Spain and the Americas (3)
LAS 473: Indigenous and Latina/Chicana Representation (SB & C) (3)
LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) (3)
LAS 481 / SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) (3)
LAS 494 / SPA 494: Special Topics (3)
SPA 412: Advanced Conversation and Composition (G) (3)
SPA 413: Spanish Grammar in Context (G) (3)
SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) (3)
SPA 456: 20th-Century Spanish American Fiction (3)
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)
SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in Spanish

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** The Spanish program offers excellent preparation for graduate school.

A minor in Spanish also is excellent preparation for employment as a teacher in the elementary or secondary school system, especially in those districts where bilingual programs are integral to the curricula.

Outside the education system, graduates with a minor in Spanish find employment as translators and interpreters in:

- diplomatic corps
- federal and state courts
- law enforcement agencies
- law firms
- social agencies

The business world also provides employment for those fluent in Spanish. This is especially true in the American Southwest, with its proximity to Mexico and through outlets opened by multinational trade agreements.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASSPAMIN/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Spanish Minor (LASPAMIN)

**Campus:** Tempe, Online

**Description:** Students pursuing a minor in Spanish gain an understanding of the language, literature and cultures of Spanish-speaking peoples and regions.

**Program Requirements:**
The minor in Spanish requires a total of 21 credit hours, of which 18 credit hours must be upper division. A minimum of six upper-division credit hours must be taken from courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

Required Courses -- 12 credit hours
Of the 12 credit hours of required courses for the Spanish minor, students select the appropriate language track: Spanish Second Language or

Spanish Heritage/Bilingual Language track.
SPA 202: Intermediate Spanish (G) or SPA 204: Intermediate Spanish II for Bilinguals (C & G) or SPA 210: Intensive Spanish II (G) (4)
Notes: Three credit hours from SPA 202, SPA 204, or SPA 210 are counted toward the minor. Additional credit hours earned are applied to the 120 hours minimum for graduation.
SPA 313: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C) (3)
SPA 314: Spanish Conversation and Composition (G) or SPA 316: Advanced Spanish II for Bilinguals (L & C) (3)
SPA 412: Advanced Conversation and Composition (G) or SPA 416: Advanced Spanish Conversation and Composition for Spanish Heritage Learners (L) (3)
Course substitutions are allowed for heritage and advanced speakers of the language.

Minor Tracks -- 9 credit hours
Students complete nine credit hours from one option track below that is beneficial to their personal or academic goals. Option tracks include Spanish Language Studies, Spanish Literary and Cultural Studies, or Spanish Linguistics. (9)

Option 1: Spanish Language Studies Track
Required Spanish Civilization and Culture Course (choose one):
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)
SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)
SPA Upper-Division Restricted Elective (choose one):
SPA 325: Introduction to Hispanic Literature (HU) (3)
SPA 400: Fundamentals of Spanish Linguistics (SB & G) (3)
SPA 413: Spanish Grammar in Context (G) (3)
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)
SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)
SPA Upper-Division Elective or SPA Upper-Division Study Abroad Course (choose one):
SPA 3** Elective (3)
SPA 484: Internship (3)
SPA 4** Elective (3)
Upper Division Spanish Study Abroad Course (3)

Option 2: Spanish Literary and Cultural Studies Track
SPA 325 is required for this track.
SPA 325: Introduction to Hispanic Literature (HU) (3)
Choose one course from the following:
SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU) (3)
SPA 426: Literature and Society in Modern Spain (HU) (3)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) (3)
SPA 464: Jaitón Works in Chicano/a Literature ((HU or SB) & C) (3)
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)
Choose one course from the following:
SPA 319: Business Correspondence and Communication (G) (3)
SPA 3** Elective (3)
SPA 4** Elective (3)

Option 3: Spanish Linguistics
SPA 400 is required for this track.
SPA 400: Fundamentals of Spanish Linguistics (SB & G) (3)
Choose two courses from the following:
SPA 413: Spanish Grammar in Context (G) (3)
SPA 417: The Sounds of Spanish (CS or SB) (3)
SPA 418: Architecture of Spanish (3)
SPA 419: Spanish Around the World (CS & C) (3)
SPA 420: Applied Spanish Linguistics (L) (3)
SPA 421: Spanish in the Southwest (C) (3)

See information about Language Placement Testing or consult with an academic advisor in the School of International Letters and Cultures regarding placement into Spanish language classes. Students testing into higher Spanish language courses may need overrides to enroll.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in Spanish; BAE in secondary education (Spanish)

Other Enrollment Requirements: None

Students who wish to add the minor in Spanish to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Global Opportunities:**
Global Experience: Opportunities to participate in study abroad programs (https://goglobal.asu.edu/) can serve to enhance a student's minor experience and education.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Students with a minor in Spanish studies have the communication and cultural competency skills they need as they pursue careers in political analysis, sociology or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/minor/minor-spanish-minor
DH 131
silcadvising@asu.edu
480-965-6281

## Spanish Minor (LSSPAMIN)

**Campus:** Downtown Phoenix

**Description:** This 18 credit hour minor helps students hone their Spanish communication skills and gain the cultural knowledge that can help them serve the needs of the growing U.S. Latino community.

The combination of professionally focused courses and practical experience in this program enhances students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S.-Latino culture.

This program is only offered on the ASU Downtown Phoenix campus.

**Program Requirements:**
The Spanish minor requires a total of 18 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses. Pass/Fail courses cannot be used.

Required Courses -- 6 credit hours
SPA 404: Spanish in U. S. Professional Communities ((L or HU) & C) (3)
SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G) (3)

Electives (choose one Focus Area below) -- 12 credit hours
Upper Division Focus Area (12)
Students will select twelve upper-division credit hours from one of the three Focus Areas: Spanish for the Professions, Professional Spanish and Latinx Cultures for Social Care and Public Work, or Professional Spanish and Latinx Cultures for Heritage Speakers.

Spanish for the Professions
Required:
SPA 317: Spanish for the Professions (G) (3)
SPA 402: Written Communication for the Professions (C) or SPA 484: Internship (3)
Notes: Before enrolling in SPA 484, students should complete a minimum of 12 credit hours in the minor program and seek instructor approval by

emailing CISA@asu.edu.
Choose two more courses:
COM 362: Urban Communication: Reinventing the Latinx City (3)
COM 363: Latinxs and the Media (C) (3)
SPA 318: Advanced Spanish for Health Care Professionals (3)
SPA 401: Spanish Oral Communication for the Professions (3)
SPA 402: Written Communication for the Professions (C) (3)
SPA 403: Spanish Grammar and Stylistics for the Professions (3)
SPA 406: Introduction to Spanish/English Medical Interpretation (3)
SPA 484: Internship (3)
Notes: Before enrolling in SPA 484, students should complete a minimum of 12 credit hours in the minor and seek instructor approval by emailing CISA@asu.edu.
SPA 494: Introduction to Spanish Translation for the Profes (3)

Professional Spanish and Latinx Cultures for Social Care and Public Work
Required:
SPA 401: Spanish Oral Communication for the Professions (3)
SPA 494: Spanish for Social Care: Latinx Ameri Pop Cultures (3)
Choose two more courses:
COM 362: Urban Communication: Reinventing the Latinx City (3)
COM 363: Latinxs and the Media (C) (3)
SPA 318: Advanced Spanish for Health Care Professionals (3)
SPA 402: Written Communication for the Professions (C) (3)
SPA 403: Spanish Grammar and Stylistics for the Professions (3)
SPA 406: Introduction to Spanish/English Medical Interpretation (3)
SPA 484: Internship (3)
SPA 494: Community Interpretation (3)
SPA 494: Introduction to Spanish Translation for the Profes (3)
SPA 494: Spanish for Mental Health Practiti and Ally fields (3)

Professional Spanish and Latinx Cultures for Heritage Speakers
Required:
SPA 401: Spanish Oral Communication for the Professions (3)
SPA 402: Written Communication for the Professions (C) (3)
Choose two more courses:
COM 363: Latinxs and the Media (C) (3)
COM 362: Urban Communication: Reinventing the Latinx City (3)
SPA 318: Advanced Spanish for Health Care Professionals (3)
SPA 403: Spanish Grammar and Stylistics for the Professions (3)
SPA 406: Introduction to Spanish/English Medical Interpretation (3)
SPA 484: Internship (3)
SPA 494: Community Interpretation (3)
SPA 494: Introduction to Spanish Translation for the Profes (3)
SPA 494: Spanish for Mental Health Practiti and Ally fields (3)
SPA 494: Spanish for Social Care: Latinx Ameri Pop Cultures (3)

For additional upper-division electives, students should consult their academic advisor.
Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA in Spanish

Other Enrollment Requirements: Completion of SPA 314 Spanish Conversation and Composition, or SPA 316 Advanced Spanish II for Bilinguals, or permission of instructor following the successful completion of the Spanish for the Professions Placement Exam given by the College of Integrative Sciences and Arts. Students should contact the college to schedule.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Graduates who have combined the minor in Spanish with their major program of study may be more marketable to

employers.

Graduates can serve in professional settings such as health and legal services, journalism, business, social work and criminology, among others fields

Students who complete this undergraduate minor have many options forcareer opportunities (https://cisa.asu.edu/spanish-and-spanish-professions), and common employment options include:

- business
- community interpretation
- education
- engineering and urban planning
- government
- health care services
- legal and justice systems
- social work
- tourism

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
AZCNTR 380
CISA@asu.edu
602-496-0271

## Special Events Management Minor (HSEVNMIN)

**Campus:** Downtown Phoenix

**Description:** The minor program in special events management is designed to offer students a solid understanding of special events programming and management.

In addition to the two-tiered special events course, which provides basic and advanced instruction as well as experiential learning opportunities through event production, students are able to select electives to meet their interests.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication, journalism, music, fashion and many others find this program a beneficial supplement to their existing program.

**Program Requirements:**
The minor requires 15 credit hours: six credit hours of required courses, and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours
PRM 145: Special Events Management (3)
PRM 487: Advanced Special Events Management (3)
Notes:  Offered spring semester only

Electives (choose three) -- 9 credit hours
NLM 310: Volunteer Management (3)
PRM 350: Tourism, Recreation and Sports Marketing (3)
PRM 475: Entrepreneurial Recreation and Tourism (3)
PRM 483: Sports Tourism (3)
PRM 484: Internship (3)
PRM 485: Sports Events (3)
Notes:  Offered spring semester only
TDM 345: Meeting and Convention Planning (3)
TDM 458: International Tourism (G) (3)

Standards
1. 15 credit hours of graded coursework (no independent study)
2. minimum grade of "C" (2.00 on a 4.00 scale) required for all courses in the minor
3. should be a junior to take 400-level courses
4. no double counting of courses for a major and the minor

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management; BS in tourism development and management (including all concentrations), BS in community sports management (including all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Graduates with a minor in event management will have a competitive edge as they enter the workforce, prepared for employment in numerous positions such as a meeting coordinator, sales coordinator, event planner, conference coordinator and festival coordinator.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 500
scrdadvising@asu.edu
602-496-0550

## Speech and Hearing Science Minor (LASHSMIN)

**Campus:** Tempe

**Description:** The minor in speech and hearing science is an academic program with emphasis on normal aspects of speech, language and hearing. The focus is on how motor, cognitive and sensory systems interact with and influence hearing, speech and language in children and adults.

**Program Requirements:**
The minor consists of 24 total credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.
Students are strongly encouraged to meet with a Speech and Hearing Science academic advisor.

Required Courses -- 15 credit hours
SHS 205: Exploring Communication Disorders in Children and Adults (3)
SHS 250: Introduction to Phonetics (3)
SHS 310: Anatomical and Physiological Bases of Speech (3)
SHS 311: Hearing Science (3)
SHS 367: Language Science (SB) or SHS 375: Speech Science (3)

Upper-Division Electives -- 9 credit hours
SHS 401: Principles of Audiology (3)
SHS 402: Clinical Methods and Treatment of Communication Disorders (3)
SHS 465: Speech and Language Acquisition (SB) (3)
SHS 470: Developmental Speech and Language Disorders (3)
SHS 485: Acquired Speech and Language Disorders (3)
SHS 496: Aural Rehabilitation (3)
Students interested in pursuing the Speech-Language Pathology Assistant certificate should take SHS 402, 465 and 470 as their upper-division electives.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in speech and hearing science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** A minor in speech and hearing science can provide a broadened background for related careers such as medicine, education and neuroscience.

Graduates with this minor as a complement to their major are prepared for application to most graduate programs in speech-language pathology, communication disorders or audiology.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/LASHSMIN/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
480-965-2374

## Statistics Minor (ASSTAMIN)

**Campus:** West

**Description:** Data is increasingly the lifeblood of decision-making, and the discipline of statistics studies how to gain insights from data. The minor program in statistics is intended for students in STEM majors who wish to significantly increase their grasp of statistics and probability at the upper-division level.

The core courses of STP 280 and STP 281 provide foundational skills in probability, the analysis of distributions and the most common methods of inference. Later, more advanced coursework allows for specialization in nonparametric regression, statistical computing, multivariate analysis or other specialized topics.

The completion of this minor in statistics indicates to employers and graduate school admission committees that students have had significant training in the proper handling, analysis and interpretation of data.

**Program Requirements:**
The minor in statistics consists of 15 credit hours, of which nine must be upper-division. A minimum of six credit hours must be taken through courses offered by the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Courses -- 9 credit hours
STP 281: Statistical Analysis for Researchers OR STP 420: Introductory Applied Statistics (CS) (3)
STP 310: Design and Analysis of Experiments (3)
STP 311: Regression and Time Series Analyses (3)

Upper Division Electives -- 6 credit hours
STP 315: Statistical Computing (3)
STP 421: Probability (3)
STP 450: Nonparametric Statistics (3)
STP 451: Quality Improvement (3)
STP 452: Multivariate Statistics (3)
STP 460: Categorical Data Analysis (3)
STP 494: Special Topics (1-4)
STP 499: Individualized Instruction (3)
STP 494 is repeatable for different topics. STP 499 may taken only once, up to three credit hours.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in statistics

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** A minor in statistics is an excellent addition for students with an interest in data and data analytics. Graduates work in a variety of fields, including government, business, health care and technology.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASSTAMIN/undergrad/true/177
FAB N101
mnsadvising@asu.edu
602-543-3000

## Statistics Minor (LASTAMIN)

**Campus:** Tempe

**Description:** The minor in statistics is beneficial for students majoring in a variety of disciplines, such as physics, engineering applications, business, economics, the life and social sciences, or to any field in which there is a need for quantification in the analysis of information.

**Program Requirements:**
The minor in statistics requires a minimum of 18 credit hours, of which at least 12 hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.
STP 421 and STP 427 must be taken through The College of Liberal Arts and Sciences.

Required Courses -- 18 credit hours
MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)
MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)
STP 420: Introductory Applied Statistics (CS) (3)
STP 421: Probability (3)
STP 427: Mathematical Statistics (3)
STP 429: Applied Regression (CS) (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science and statistics; BS in data science, BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Students should confer with an academic advisor in the School of Mathematical and Statistical Sciences before declaring the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. Based on factors like pay, growth and job satisfaction, statistics has been named in separate job reports as one of the best careers. The U.S. Bureau of Labor Statistics projects 35% growth rate in the need for employees trained in statistical analysis.

For students pursuing a minor in statistics, that means an exciting future of career opportunities in fields as diverse as business, finance, economics, engineering, technology, sports, marketing, government, health care, the environment, politics and more.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu

WXLR 216
math@asu.edu
480-965-7195

## Studio Art Minor (HISTARTMIN)

**Campus:** Tempe, Online

**Description:** The studio art minor is an opportunity for students across ASU to pursue their interest in art and expand any career path with critical thinking and creative problem solving skills. Across six art courses, students learn art techniques and concepts. The designated coursework is flexible enough for students to concentrate in a single area of the studio arts or explore several mediums.

**Program Requirements:**
The minor in studio art requires 18 credit hours (nine upper division). All courses must be completed with a minimum grade of "C" (2.00).

Studio Core -- 9 credit hours
ARA 195: Art in My World (HU) (3)
ARA OR ART Elective (3)
ART 107: Photography as Experience or ART 108: Digital Literacy for the Arts (CS) or ART 109: Making as Seeing and Thinking or ART 110: Drawing as Seeing and Thinking (HU) (3)

Upper-Division Studio Courses -- 9 credit hours
ARA OR ART Upper Division Elective (9)
Notes: When selecting upper division (3XX/4XX) ART studio courses, check the prerequisites. In some cases, instructors will approve an override.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: All studio art majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in studio art can help students as they pursue careers in animation; ceramics; painting and drawing; textiles; printmaking; and sculpture, woods and metals.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Sustainability Minor (SUSUSMIN)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West, Online

**Description:** Students in the sustainability minor learn about the concept of sustainability and how it may be used to develop solutions to pressing issues affecting society, organizations, the environment and the world.

The program introduces sustainability principles and contextualizes how sustainability can be applied to all academic disciplines and professional fields. Students explore the challenges of sustainability within human societies, economies, the environment, cultures and technology, all in local,

national and international contexts.

The minor is intended to draw from and inform almost any major offered by the university.

**Program Requirements:**
The sustainability minor requires 18 credit hours of study, of which at least nine must be upper division. The program includes six credit hours of required core courses, six credit hours of required theme courses and six credit hours of upper-division sustainability-related electives that relate to the student's major.
All courses must be completed with a grade of "C" (2.00) or higher.

Required Core Courses -- 6 credit hours
SOS 100: Introduction to Sustainability (G) (3)
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability (3)

Required Theme Courses -- 6 credit hours
Complete two courses, each from a different sustainability theme area below. (6)

Coupled Human-Environment Systems
ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) (3)
CHM 107: Chemistry and Society (SQ) (3)
CRD 301: Sustainable Communities (3)
CRD 302: Inclusive Community Development (SB & C) (3)
GLG 110: Dangerous World (SQ & G) (3)
GPH 210: Society and Environment (G) (3)
ISS 450: Consumerism and Sustainable Development (SB) (3)
LSC 362: The Human Environment (3)
SOS 320: Society and Sustainability (L or SB) (3)
SOS 327: Sustainable Food and Farms (3)

Earth Systems
ABS 225: Soils (SQ) (3)
ABS 270: Sustainable Biological Systems (3)
BIO 100: The Living World (SQ) (4)
ENV 410: Soil Science (4)
GLG 101: Introduction to Geology I (Physical) (SQ) (3)
GLG 108: Water Planet (SQ) (4)
GLG 110: Dangerous World (SQ & G) (3)
GPH 211: Landform Processes (SQ) (4)
LSC 388: Bee Ecology in Urban and Wild Habitats (3)
SES 106: Habitable Worlds (SQ) (4)
SOS 326: Sustainable Ecosystems (3)

Human Transformation of the Earth
ABS 260: Fundamentals of Sustainable Horticulture (SG) (4)
ABS 270: Sustainable Biological Systems (3)
ABS 363: Sustainable Landscape Practice (4)
ALA 100: Introduction to Environmental Design (HU & H & G) (3)
ASM 104: Bones, Stones, and Human Evolution (SB or SG) (4)
BIO 130: Introduction to Environmental Science (SQ) (4)
CON 101: Construction and Culture: a Built Environment (HU & H) (3)
ENV 201: Fundamentals of Environmental Science (3)
FSE 181: Technological, Social, and Sustainable Systems (HU) (3)
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)
IND 243: Design for Ecology and Social Equity (3)
SOS 111 / PUP 190: Sustainable Cities ((HU or SB) & G) (3)
SOS 323: Sustainable Urban Dynamics (3)
SOS 324: Sustainable Energy Technology and Systems (3)
SOS 465 / PUP 465: Sustainable Urbanism (3)
STS 235: Technology and Urban Systems (L) (3)

Social, Political and Economic Treatment of Natural Resources and Environment
ABS 381: Natural Resources Policy (3)
ABS 479: Ecosystem Management and Planning (L) (3)
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)

AGB 414: Food and Agribusiness Policy Issues (L) (3)
AGB 452: Global Food and Agricultural Trade (3)
ASB 100: Introduction to Global Health (SB & G) (3)
CRD 301: Sustainable Communities (3)
GCU 441: Economic Geography (SB) (3)
HCI 311: Health Innovation: Foundational Concepts (3)
HCI 412: Transforming Health Care: A Systems Perspective for Innovation (3)
HCI 421: Health Care Policy: The Innovator's View (3)
HCR 230: Culture and Health (C & G) (3)
HCR 336: Environmental Community Health (3)
HCR 494: Food Safety and Protection (3)
IAS 340 / PHI 320: Bioethics (HU) (3)
IAS 409: Eco-Community Ethics (HU) (3)
NLM 410: Social Entrepreneurship (3)
PHI 306: Applied Ethics (HU) (3)
PHI 360: Business and Professional Ethics (HU) (3)
PRM 340: Outdoor Survival (3)
SGS 203: Contemporary Global Trends (SB & G) (3)
SGS 303: Global Trends (SB & G) (3)
SOS 110: Sustainable World (SB) (3)
SOS 321: Policy and Governance in Sustainable Systems (3)
SOS 323: Sustainable Urban Dynamics (3)
SOS 325: The Economics of Sustainability (3)
SOS 330: Sustaining the Commons (L) (3)
STS 101: Introduction to Science, Technology and Society (SB) (3)
STS 110: Global Technology and Development (SB & G) (3)
TDM 482: Sustainable Revenue Management (3)

Upper-Division Sustainability-Related Electives -- 6 credit hours
Upper Division courses that are sustainability related and ideally make a connection between the student's major and the minor (6)

Students should consult with their major advisor for upper-division sustainability-related elective course selections. Possible courses for these electives can be explored at the School of Sustainability website, but still need to be approved by the student's major academic advisor.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Other Enrollment Requirements: Students interested in adding a minor in sustainability should work with their major academic advisor. A student's major advisor will approve the two upper-division electives required for the minor in sustainability.

Incompatible Majors: BA in business (sustainability); BA in interdisciplinary studies with a concentration in sustainability; BS in public service and public policy (sustainability); BA in sustainability; BS in sustainability; BS in sustainable food systems

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Global Opportunities:**
Global Experience: Students may also participate in a sustainability study abroad program (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/).

**Career Opportunities:** Knowledge and practice of sustainability complement any career path students choose, whether it's in business, technology, science, education, government or the nonprofit sector. The unique knowledge and skills gained from this transdisciplinary program enhance a student's bachelor's degree and career prospects, helping them stand out in a sea of job applicants. Students can incorporate sustainability into existing or future education endeavors to bring forth a positive change.

**Contact Information:**

Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/minors/
WCPH 4th floor
cgfadvising@asu.edu
480-727-6963

## Sustainable Food Systems Minor (GFSUSFSMIN)

**Campus:** Polytechnic, Tempe, Online

**Description:** Food and sustainability are becoming increasingly relevant issues to employers in fields across the public and private sectors. Food systems can be complex and particularly vulnerable to multiple threats. This minor in sustainable food systems allows students to gain a general understanding of these complex systems and lays the groundwork for them to create positive change.

In two required courses, students learn the fundamentals of sustainable food systems and what shapes a sustainable plate. Students also have the opportunity to take food systems electives from diverse academic units that are also addressing challenges to food system sustainability. It encourages students to cover a breadth of topics and perspectives related to food system issues such as sustainable agriculture, food justice and sovereignty, agriculture policy and governance, agribusiness, food systems leadership and food culture.

Students completing the minor will have a strong orientation toward problem-solving and systems thinking and will demonstrate proficiency in critical, analytical and creative thinking by developing, communicating and applying practical solutions to food sustainability challenges. Students also will be able to assess and analyze the role of culture and society in shaping food systems.

**Program Requirements:**
Students must complete 18 credit hours (12 of which must be upper division) of the specified courses with a grade of "C" (2.00) or better in each course. At least 12 credit hours must be taken at ASU.

Required Courses -- 6 credit hours
SFS 215: Fundamentals of Sustainable Food Systems (L) (3)
SFS 216: The Sustainable Plate (3)

Tier 1: Culture and Ethics (Choose two) -- 6 credit hours
ASB 300: Food and Culture ((L or SB) & C) (3)
BIO 324: Environmental Ethics (HU) (3)
GPH 314: Global Change (HU & G) (3)
HSC 355: Eating for Lifelong Health (SB) (3)
ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)
NTR 348: Cultural Aspects of Food (SB & C & G) (3)
NTR 353: The Western Diet (3)
NTR 448: Community Nutrition (L) (3)
PLB 302: Plants and Civilization (L) (3)
PUP 498: Urban Food Systems (3)
SOS 327: Sustainable Food and Farms (3)
SOS 370 / ASB 370: Ethics of Eating (L or SB) (3)
SOS 498: Indigenizing Food Systems (L) (3)

Tier 2: Science and Society (Choose two) -- 6 credit hours
ABS 434 / BIO 418: Soil Ecology (3)
AGB 302: International Management and Agribusiness (G) (3)
AGB 321: Agribusiness Marketing (3)
AGB 414: Food and Agribusiness Policy Issues (L) (3)
AGB 452: Global Food and Agricultural Trade (3)
AGB 456: Food Product Innovation and Development (3)
BIO 320: Fundamentals of Ecology (3)
NTR 344: Nutrition Management and Leadership (L) (3)
NTR 445: Management of Food Service Systems (4)
SOS 326: Sustainable Ecosystems (3)
SOS 328: Sustainability and Enterprise (3)
TDM 481: Sustainable Food Management in Tourism (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in sustainable food systems

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** The demand for graduates who understand the complexity of food systems is increasing. Students can pair the minor with a variety of bachelor's degrees to enhance career opportunities related to food. Sustainable food systems knowledge complements a variety of career paths, whether it's in business, engineering, technology, science, nutrition, education or government. Incorporating sustainable food systems into existing or future education endeavors helps to bring forth positive change in a variety of sectors including agriculture, consumer goods, community development, public health, policy and education.

A sustainable food systems minor helps graduates stand out in a sea of job applicants, and the skill sets are applicable to many careers.

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu
WCPH 400LT
cgfadvising@asu.edu
480-727-6963

## Sustainable Tourism Minor (PPTDMSMIN)

**Campus:** Downtown Phoenix

**Description:** Students can get innovative insights on finding practical solutions for a more ethical and eco-friendly approach to travel with a minor in sustainable tourism. The minor program teaches basic concepts and theories of tourism development and management and helps students identify ways in which tourism can contribute to sustainable development, locally and globally.

Students with majors in sustainability, business and many others find this program a beneficial supplement to their existing program.

There also may be opportunities to complete a study abroad program.

**Program Requirements:**
The minor requires a total of 15 credit hours: 12 credit hours of required courses and one three-credit hour course from the list of electives.

Required Core Courses -- 12 credit hours
TDM 205: Introduction to Travel and Tourism (G) (3)
TDM 372: Tourism Planning (L) (3)
TDM 458: International Tourism (G) (3)
TDM 480: Sustainable Tourism (3)

Elective Course (choose one) -- 3 credit hours
TDM 448: Heritage and Cultural Tourism (3)
TDM 475: Entrepreneurial Recreation and Tourism (3)
TDM 481: Sustainable Food Management in Tourism (3)
Notes: Offered spring semester only
TDM 482: Sustainable Revenue Management (3)
Notes: Offered spring semester only
TDM 494: Special Topics (3)

Standards
1. 15 hours of graded classroom coursework (no internship, no independent study)
2. minimum "C" (2.00 on a 4.00 scale) grade required for all courses in the minor
3. should be a junior or higher to take 400-level courses
4. no double counting of courses for a major and the minor

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in tourism development and management; BS in tourism development and management (sustainable tourism); BS in tourism development and management (resort and hotel leadership); BA in business (tourism); BS in tourism development and management (meeting and events)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. Graduates with a minor in sustainable tourism can find opportunities in diverse settings in a wide range of industries, including hotel management, environmental focused and travel agencies.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Technical Communication Minor (LSTWCMIN)

**Campus:** Polytechnic, Online

**Description:** The minor in technical communication provides a foundation in workplace-oriented communication skills that complement many majors, particularly those in engineering and other technical disciplines.

Students learn how to design, produce and manage professional texts, both print and digital, and they also strengthen their technological skills.

**Program Requirements:**
The minor in technical communication requires 18 credit hours. A grade of "C" or better is required for all courses in the minor.

Required Courses -- 12 credit hours
TWC 301: Fundamentals of Writing for Digital Media (L) (3)
TWC 401: Fundamentals of Technical Communication (L) (3)
TWC 411: Principles of Visual Communication (L) or TWC 421: Principles of Web Authoring (L) (3)
TWC 431: Principles of Technical Editing (3)

Electives (choose two) -- 6 credit hours
TWC 312: Introduction to Visual Culture (3)
TWC 361: Writing for Health Care Management (L) (3)
TWC 362: Writing in Health Professions (L) (3)
TWC 394: Special Topics (3)
TWC 411: Principles of Visual Communication (L) (3)
TWC 413: Managing and Analyzing Data (3)
TWC 414: Visualizing Data and Information (3)
TWC 421: Principles of Web Authoring (L) (3)
TWC 422: Social Media in the Workplace (3)
TWC 435: Global Issues in Technical Communication (G) (3)
TWC 436: Project Management in Technical Communication (3)
TWC 443: Grant & Proposal Writing (3)
TWC 444: User Experience (3)
TWC 445: Content Strategy (3)
TWC 446: Technical and Scientific Reports (L) (3)
TWC 451: Copyright and Intellectual Property in the Electronic Age (3)
TWC 452: Information in the Digital Age (3)

TWC 453: Information and Communications Technology in American History (L & H) (3)
TWC 454: Information Technology and Culture (C) (3)
TWC 484: Internship (3)
TWC 494: Special Topics (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BAS in applied science (technical communication); BS in technical communication; BS in technical communication (user experience)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

The technical communication minor can benefit graduates of many degree programs when they pursue careers in web development, project management and instructional design, making them more competitive in their career path.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/tech-comm
SANCA 233
CISA@asu.edu
480-727-1526

## Technological Entrepreneurship and Management Minor (ESTEM2MIN)

**Campus:** Polytechnic, Online

**Description:** The minor in technological entrepreneurship and management is available to students who are interested in advancing ideas for new or improved products or services. Students learn the range of skills needed to develop new products, services, business models and whole new industries.

The courses available for the minor are designed to advance entrepreneurial and systems thinking and cover a broad range of topics important to venture startups such as creativity, entrepreneurship, innovation, global impact and systems thinking.

This minor is available as either an on-campus or 100% online program.

**Program Requirements:**
Completion of the technological entrepreneurship and management minor requires 18 resident credit hours of the specified courses with a grade of "C" or better in each course. At least four of the six courses must be upper division.
Students may not double count any courses with other entrepreneurship certificates.

Required Courses -- 12 credit hours
FSE 301: Entrepreneurship and Value Creation (3)
TEM 230: Creativity and Business Innovation (3)
TEM 431: Innovation Management (3)
TMC 110: Understanding the Enterprise (3)

Electives -- 6 credit hours
FSE OR OMT OR TEM OR TMC Upper Division Elective (6)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BS in technological entrepreneurship and management; BAS in applied science (operations management); BS in business entrepreneurship

Other Enrollment Requirements: The technological entrepreneurship and management minor is open to non-TEM undergraduate students. TEM students are not eligible to apply for this minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** The technological entrepreneurship and management minor prepares students for a wide variety of career possibilities. Some examples are technology-based entrepreneurship, product development, consulting, venture capital analysis, business development, market analysis and technology marketing.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Tech Entrepreneurship & Mgmt
https://poly.engineering.asu.edu/tem/bs-in-technological-entrepreneurship-and-management/
WANER 240
polyadvising@asu.edu
480-727-1874

## Technological Leadership Minor (LATECLDMIN)

**Campus:** Tempe, Online

**Description:** A minor in technological leadership equips students with the skills needed to solve tomorrow's most pressing problems.

Through a series of engaging and hands-on courses, students learn how to recognize and describe unsolved problems in the fields of science and technology and practice implementing creative problem-solving techniques in order to design potential solutions to those problems.

This minor complements and enhances a student's major with key skills in collaborative research, technology design and interdisciplinary leadership.

**Program Requirements:**
The technological leadership minor consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum grade of "C" (2.00 on a 4.00 scale) is required for all courses in the minor.

Inquiry Courses -- 6 credit hours
IPI 296: Inquiry (L) (3)
IPI 496: Advanced Inquiry (3)

Making Courses (choose two) -- 6 credit hours
A minimum of three credit hours must be upper division.
AME 240: Introduction to Physical Computing (3)
AME 330: Digital-Physical Systems (3)
HDA 296: Creative Futures: Studio (3)
HDA 496: Creative Futures: Advanced Studio (3)
IPI 241: Designing and Making (Electronics and Programming) (3)
IPI 341: Designing and Making (3D Printing and Fabrication) (3)
SES 307: Space Works I: Design, Build, Test (3)
SES 407: Space Works II: Model, Fabricate, Test (3)

Leadership Courses (choose two) -- 6 credit hours
FIS 432: Problem Solving Through Strategic Thinking (3)

LSE 305: Conceptualizing Learning: Theories in Practice (3)
MGT 380: Management and Strategy for Nonmajors (3)
OGL 300: Theory and Practice of Leadership (3)
OGL 345: Organizational Ethics (HU) (3)
PMG 320: Foundations of Project Management (3)
PSY 302: The Psychology of Positive Leadership (3)
SOC 334: Technology and Society (L or SB) (3)
WPC 300: Problem Solving and Actionable Analytics (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: Technological Leadership, BS

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** A minor in technological leadership supports students who are interested in emerging fields and careers that span multiple disciplines, such as:

- academic research
- education
- entrepreneurship
- management consulting
- product management
- technology transfer

**Contact Information:**
Liberal Arts and Sciences, The College of
Dean, The College of Liberal Arts and Sciences
https://interplanetary.asu.edu/learn
FULTN 110
TechLeadership@asu.edu
602-496-1783

## Theatre Minor (FATHEMIN)

**Campus:** Tempe

**Description:** Students pursuing the theatre minor study the literatures, histories and basic production practices of theatre while having opportunities to concentrate in an area such as:

- acting
- community engagement
- design and production
- directing
- dramatic literature
- dramaturgy
- new work development
- theatre for youth
- theatre history
- voice and movement

**Program Requirements:**
The minor in theatre consists of 22 credit hours of coursework (12 credit hours must be upper division). A grade of "C" (2.00) or higher is required

for all courses in the minor. All prerequisites for the minor courses must be met (see course listings).
Transfer students may transfer up to nine credit hours toward the minor.

Theatre Core -- 10 credit hours
THF 101: Acting Introduction (3)
THF 160: Introduction to Storytelling (HU) (3)
THF 215: Design and Composition for Theatre and Film (HU) (3)
THP 201: Theatre Production Crew (1)
*Students who take Acting I (THF 101 or THP 102) for their major must complete an additional course in Theatre to complete the Theatre Minor.

Theatre History (choose one) -- 3 credit hours
THE 320: History of the Theatre I (HU & H) (3)
THE 321: History of the Theatre II (HU & H) (3)
THE 322: Theatre History and Culture (HU & H) (3)

Theatre-Related Upper Division Courses -- 9 credit hours
THE OR THF OR THP Upper Division Elective (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: All theatre majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in theatre can help students as they pursue careers in arts administration, teaching, law, fundraising management or marketing.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Tourism Development and Management Minor (PPTDMMIN)

**Campus:** Downtown Phoenix, Online

**Description:** The minor program in tourism development and management provides students with the planning and development skills needed to enter the largest industry in the world. Exposure to the businesses of sustainable tourism, heritage tourism and meeting and convention planning prepares students for successful careers in the fast-growing travel and tourism industry.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program.

Having completed the minor program in tourism development and management, the student also may complete a certificate in convention sales and meeting (https://degrees.apps.asu.edu/minors/major/ASU00/PPTDMCERT/convention-sales-and-meeting-planning).

Students also may choose to participate in a study abroad program.

**Program Requirements:**
The tourism development and management minor requires 15 credit hours: six credit hours of required core courses and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours
TDM 205: Introduction to Travel and Tourism (G) (3)
TDM 480: Sustainable Tourism (3)

Elective Courses (choose three) -- 9 credit hours
PRM 145: Special Events Management (3)
TDM 225: Introduction to Resort and Hotel Management (3)
TDM 345: Meeting and Convention Planning (3)
TDM 350: Tourism, Recreation and Sports Marketing (3)
TDM 386: Convention Sales and Management (3)
TDM 415: Tourism Transportation Systems (3)
TDM 448: Heritage and Cultural Tourism (3)
TDM 458: International Tourism (G) (3)
TDM 483: Sports Tourism (3)
Notes:  Offered during spring semester only
TDM 494: Special Topics  (3)

Standards
1. 15 hours of graded classroom coursework (no internship, no independent study)
2. minimum grade of "C" (2.00 on a 4.00 scale) required for all courses in the minor
3. students should be a junior to take 400-level courses
4. no double-counting of courses for a major and the minor

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in tourism development and management; BS in tourism development and management (sustainable tourism); BS in tourism development and management (resort and hotel leadership); BA in business (tourism); BS in tourism and recreation management

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** The minor program offers students opportunities to pursue a broad spectrum of careers in areas such as travel agencies and tour operations; front office, food and beverage and room division departments; and recreation and leisure activity coordination. Students can find various opportunities to grow, as, for instance, hotel and spa managers, sales and marketing managers, and as organizers of festivals, sports, special events and conferences.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)

**Campus:** Tempe

**Description:** In the transborder Chicana/o and Latina/o studies minor, students gain general knowledge from a comparative perspective about the Chicano and Latino populations in the United States and on the U.S.-Mexico border.

The core requirements focus on these populations' cultural, economic, sociological, historical, psychological and artistic experiences. In the remaining credit hours, students may select from courses in a variety of topics including:

- community development
- diversity in education
- film and the media
- health issues
- immigration and migration
- language and bilingualism
- literature and performance
- politics and policy

**Program Requirements:**
The minor requires 18 credit hours of coursework, of which at least 12 credit hours must be completed at the upper-division level. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses used toward the minor.

Core Requirements -- 6 credit hours
TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C) or TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C) (3)
TCL 331 / HST 331: Mexican American History to 1900 (SB & H & C) or TCL 332 / HST 332: Mexican American History Since 1900 (SB & H & C) (3)

Electives -- 12 credit hours
TCL Elective (3)
TCL Upper Division Elective (9)
Notes: Select any TCL course except TCL 331/HST 331 or TCL 332/HST 332.

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in transborder Chicana/o and Latina/o studies (all concentrations)

Other Enrollment Requirements: None

An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** The minor in transborder Chicana/o and Latina/o studies prepares students to work with Chicano and Latino populations in many industries including:

- business
- education (administration and teaching)
- film, media and the arts
- law
- local, state and national government agencies
- nonprofit organizations
- public affairs
- public health
- public policy and administration
- social work

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB 165
sts.undergrad@asu.edu
480-965-5091

## Urban Planning Minor (ARPUPMIN)

**Campus:** Tempe, Online

**Description:** The urban planning minor introduces students to the field of urban, regional and environmental planning. Students in the urban planning minor are exposed to the theories, methods and practices of the profession.

Some of the content area options available to students in the urban planning minor include:

- comprehensive planning
- planning law
- public policy formulation
- site planning
- socioeconomic and environmental analyses
- sustainable planning
- urban design

**Program Requirements:**
The minor requires completion of 18 credit hours, of which at least 12 must be upper division. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours
PUP 301: Introduction to Urban Planning (L) (3)

Urban Planning Electives -- 6 credit hours
PUP Elective (6)

Upper-Division Urban Planning Electives -- 9 credit hours
PUP Upper Division Elective (9)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BSP in urban planning

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Students who wish to gain a further understanding of their communities, from the neighborhood to the national level, can benefit from an urban planning minor. The focus of this education provides insights into how neighborhoods are created and the effects that the planning of neighborhoods has on its residents.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/minor/minor-urban-planning-minor
COOR 5681
SGSUP.advising@asu.edu
480-965-7533

## Urban and Metropolitan Studies Minor (PPURBMIN)

**Campus:** Downtown Phoenix

**Description:** The minor program in urban and metropolitan studies offers students interested in the urban environment the opportunity to explore the wide variety of issues that influence the quality of life in urban communities.

Students are encouraged to learn about cities as historical, social, cultural, economic and political phenomena in order to gain a strong understanding of the complex relationships that contribute to the problems and opportunities pertaining to urban living.

The program allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from various disciplines such as planning, business, political science, nonprofit management and leadership, communication, social work, geography and many others might find this program a beneficial supplement to their existing program.

**Program Requirements:**
This minor requires 15 credit hours of coursework, of which at least nine credit hours must be upper division. A grade of "C" (2.00 on a 4.00 scale) or better is required in each course. A minimum of 12 hours must be completed at ASU.

Required Courses -- 6 credit hours
PAF 305: Urban Governance (3)
PAF 351: Urban and Metropolitan Studies (3)

Core Courses (choose two) -- 6 credit hours
PAF 220: Introduction to Urban America (3)
PAF 240: Urban Policy (C) (3)
PAF 352: Urban Theory (3)
PAF 410: Building Leadership Skills (SB) (3)

Urban Elective (choose one course from the following subjects) -- 3 credit hours
ASB OR COM OR CRJ OR GCU OR GPH OR HST OR MGT OR NLM OR PAF OR POS OR PRM OR SBS OR SOC OR SOS OR SWU OR TDM OR TWC OR WST Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BA and BS in urban and metropolitan studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Students completing this minor are prepared to pursue a career in a field related to management and policy areas associated with towns, cities and regions. This may include opportunities as a policy analyst, entry-level manager or program coordinator in local, state or federal agencies; nonprofit organizations; and private organizations that interface with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Wellness Foundations Minor (ECEXWMIN)

**Campus:** Downtown Phoenix

**Description:** The wellness foundations minor is offered to any ASU student interested in learning about optimizing personal health and wellness. Students develop a greater understanding of the behavioral, social, cultural and environmental factors that impact personal wellness behaviors and how to choose better personal lifestyle choices that may enhance individual well-being.

**Program Requirements:**
The minor in wellness foundations consists of 18 credit hours, of which at least 12 credits must be upper division. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.

Required Courses -- 15 credit hours

EXW 215: Resistance Training and Recovery Techniques or EXW 217: Cardiorespiratory and Flexibility Training (3)
EXW 302: Fundamentals of Wellness (L) (3)
EXW 325: Fitness for Life (3)
EXW 400: Stress Management for Wellness or HEP 380: Body Image and Wellness (3)
NTR 100: Introduction to Nutrition Science or NTR 241: Human Nutrition (3)

Elective (choose one) -- 3 credit hours
EXW 335: Physical Activity and Physiological Concepts (3)
EXW 344: Impact of Physical Activity on Health and Disease (L) (3)
EXW 400: Stress Management for Wellness or HEP 380: Body Image and Wellness (3)
EXW 425: Exercise Prescription for Health and Wellness (3)
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) (3)
HSC 355: Eating for Lifelong Health (SB) (3)
NTR 345: Development of Healthy Cuisines (3)
NTR 348: Cultural Aspects of Food (SB & C & G) (3)
NTR 353: The Western Diet (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in clinical exercise science; BS in health sciences (healthy lifestyles and fitness science)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** This course of study allows students to have a greater understanding of and appreciation for how they can take control of their personal well-being and lead a healthier lifestyle, and completion of this coursework provides practitioners who wish to have a more holistic approach to health and wellness with a background from which to promote greater health throughout the community.

The minor does not fully prepare students to obtain national certifications for professional practice in fields of study related to health, health coaching, fitness or wellness, but it does serve as a beginning step.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/ECEXWMIN/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## Writing, Rhetorics and Literacies Minor (LAWRHLMIN)

**Campus:** Tempe

**Description:** The minor in writing, rhetorics and literacies teaches students strategies for inquiry.

Students study the ways in which communication creates knowledge and action and how that communication is constructed, circulated, reacted to and repurposed through time and place. Through differing tools of inquiry, students explore the history, theories and methods of inquiry as well as pragmatic and social actions of rhetoric, writing and literacies.

The goal of this program is to educate citizens who can create new knowledge and reason, read, write and act in robust and significant ways to meet the new challenges of the present and the future.

**Program Requirements:**
The minor in writing, rhetorics and literacies consists of 18 credit hours. At least 12 credit hours must be completed at the upper-division level, with a minimum of six upper-division credit hours from courses offered by The College of Liberal Arts and Sciences. Courses must be completed with a grade of "C" (2.00 on a scale of 4.00) or better to satisfy minor requirements.

Required Courses -- 6 credit hours

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)
ENG 390: Methods of Inquiry (L) (3)

Directed Electives (choose two) -- 6 credit hours
ENG 391: Writing in Context (3)
ENG 392: History of Rhetorical Theory (HU) (3)
ENG 393: Theories of Literacy (3)

Elective Minor Courses -- 6 credit hours
ENG 301: Writing for the Professions (L) (3)
ENG 311: Persuasive Writing (L) (3)
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)
ENG 338: Protest Literature (3)
ENG 370: Science, Values, and the Public (3)
ENG 371: Rhetoric of the Environmental Movement (3)
ENG 409: Analyzing Rhetoric (3)
ENG 419: Writing for Podcasts (3)
ENG 472: Rhetorical Studies (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: None

Majors Ineligible to Add This Minor: BA in English - all concentrations

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in writing, rhetorics and literacies can benefit those who pursue careers in writing, editing or publishing.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## Youth Services Leadership Minor (HSYSLMIN)

**Campus:** Downtown Phoenix

**Description:** The minor program explores the area of youth services leadership from the perspective of those who work face-to-face with youth in a variety of settings.

It can supplement an existing degree program and expand the student's knowledge of youth services from a variety of perspectives.

**Program Requirements:**
The minor requires 15 credit hours: six credit hours of required courses and nine credit hours of elective courses. At least nine credit hours must be upper division.

Required Core Courses -- 6 credit hours
PRM 203: Program Planning (3)
PRM 335: Sports and Recreation for Youth Development (3)
Notes: Offered spring semester only

Elective Courses (choose three) -- 9 credit hours
CRD 302: Inclusive Community Development (SB & C) (3)
CRJ 204: Juvenile Justice (3)

CRJ 462: Gangs (3)
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 310: Volunteer Management (3)
NLM 451: Grant Writing (3)
Notes:  Offered fall semester only
PRM 145: Special Events Management (3)
RTH 364: Foundations of Recreation Therapy (SB) (3)
RTH 455: Recreational Therapy and Play with Children, Youth and Families (3)

Standards
1. 15 hours of graded classroom coursework (no internship, no independent study)
2. minimum "C" (2.00 on a 4.00 scale) grade required for all courses in the minor
3. should be a junior to take 400-level courses
4. no double counting of courses for a major and the minor

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in parks and recreation management; BS in parks and recreation management (therapeutic recreation); BS in community sports management; BS in recreation therapy

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and minor.

**Career Opportunities:** Minor programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors. A minor in youth services leadership can help students as they pursue careers in youth services or as family resource coordinators.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrdadvising@asu.edu
602-496-0550

# Undergraduate Programs

## Undergraduate Certificates (Program Descriptions and Requirements)

### Actuarial Science Certificate (LAACTCERT)

**Campus:** Tempe

**Description:** Actuarial science is an area of mathematical and statistical science that requires expertise in specializations of probability and interest theory, coupled with a strong foundation in accounting, finance and economics.

This certificate provides students with preparation for professional actuarial credentialing exams offered by the Society of Actuaries and the Casualty Actuarial Society.

**Program Requirements:**
The certificate requires a minimum of 18 credit hours, of which at least 12 credit hours must be upper division. Specific minimum course grades are required for each course, see notes below.

Required Courses -- 12 credit hours
ACT 201: Introduction to Elements and Techniques of Actuarial Science (3)
ACT 410: Mathematics of Finance (3)
ACT 415: Probability for Risk Management (3)
ACT 440: Single Life Mortality or ACT 450: Actuarial Models (3)
A grade of "B" (3.00 on a 4.00 scale) or better is required for ACT 201, ACT 410 and ACT 415. A grade of "C" (2.00 on a 4.00 scale) or better is required for ACT 440 or ACT 450.

Electives (choose two courses) -- 6 credit hours
ACT 420: Ratemaking and Reserving (3)
ACT 430: Mathematics of Financial Derivatives (3)
ACT 435: Statistics for Risk Modeling (3)
ACT 440: Single Life Mortality (3)
ACT 441: Long-Term Actuarial Mathematics (3)
ACT 450: Actuarial Models (3)
ACT 451: Short-Term Actuarial Mathematics (3)
A grade of "B" (3.00 on a 4.00 scale) or better is required in the following courses: ACT 420, ACT 430, ACT 435.
A grade of "C" (2.00 on a 4.00 scale) or better is required in the following courses: ACT 440, ACT 441, ACT 450, ACT 451.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Although no specific degree is required for admission to the actuarial science certificate program, a strong mathematical background is essential (found in majors such as mathematics, statistics, engineering and natural sciences). Students with a major or degree other than those listed require additional preparation beyond the certificate. Students are required to have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") and grades of "B" or better in courses of multivariate calculus, linear algebra and introductory statistics at ASU or an equivalent institution.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Risk is a part of daily life and wherever there is risk, there are opportunities for actuarial intervention. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health and to ensure organizations conform to stringent, complex legal mandates. Others help companies to establish retirement plans or are employed as consultants.

Graduates with a certificate in actuarial science possess skills that are transferable to any industry and any organization that requires risk modeling and management, including:

- colleges and universities
- consulting firms
- energy, such as utilities, oil and gas
- environment (on issues such as climate change and the financial impact or risk of extreme events)

- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor and Medicare (to manage social programs and to develop regulations and legislation)
- insurance companies
- retirement and pensions
- transportation, such as shipping and air travel

They can also apply the advanced problem-solving skills learned in the actuarial science certificate program to a variety of other professional careers, including:

- analysts
- business operations specialists
- consultants
- teachers

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/
WXLR 216
math@asu.edu
480-965-7195

## African and African American Studies Certificate (LAAFRCERT)

**Campus:** Tempe

**Description:** The certificate program in African and African American studies examines the culture, arts, history, politics, economics and current status of Africans, African Americans and the larger African diaspora, especially in Central America, South America and the Caribbean.

The goal is to prepare students for lifelong learning, advanced study in a variety of fields, successful careers and productive public service in an increasingly diverse society.

**Program Requirements:**
The certificate consists of 15 credit hours, at least 12 of which must be completed at the upper-division level. All courses used toward the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Core Course (choose one) -- 3 credit hours
AFR 200: Introduction to Africana Studies (SB & G & H) (3)
AFR 210: Introduction to African American Studies (C) (3)

Elective Core Course (choose one) -- 3 credit hours
AFR 300: Precolonial Africa (SB & G & H) (3)
AFR 301: Race and Racism in Africa/African Diaspora (SB & G) (3)
AFR 370 / FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)
AFR 375: Race, Gender and Sport (SB & C) (3)

Content Courses (choose three) -- 9 credit hours
AFR 336 / ASB 336: African Art (HU & G) (3)
AFR 340: The Making of Modern Africa (SB & G & H) (3)
AFR 345 / JUS 345: Peoples and Cultures of the Caribbean (SB & G & H) (3)
AFR 350 / APA 350 / CDE 350 / SOC 350 / TCL 360 / JUS 365: Inequality and Diversity in Education (L & C) (3)
AFR 352 / APA 352 / JUS 353: Borders, Prisons and Suburbs (SB & C) (3)
AFR 353 / AMS 353 / ENG 353 / ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)
AFR 354 / AMS 354 / ENG 354 / ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)
AFR 363 / HST 333: African American History to 1865 (SB & H & C) (3)
AFR 364 / HST 334: African American History Since 1865 ((HU or SB) & C & H) (3)
AFR 365 / WST 364: Unruly Voices: Black Women and Cultural Narratives (HU & C) (3)
AFR 366 / ASB 366: African Archaeology: Precolonial Urban Culture (SB & H) (3)
AFR 372 / REL 362 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)
AFR 373 / REL 363: Islam and World Affairs (G) (3)
AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)
AFR 459 / ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G) (3)
AFR 466 / ASB 466: Peoples and Cultures of Africa (SB & G) (3)
AFR 470 / WST 471: Women's International Human Rights (3)

AFR 480 / REL 461 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)
Other courses may be used with approval from an academic advisor in the School of Social Transformation

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Demonstrate an understanding of the myriad local variations within the global scope of the African diaspora
- Explain the practical and experimental value and benefit of interdisciplinarity.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. By adding this specialization in African and African American studies as a complement to their major program of study, students will become more attractive to employers.

Graduates who have completed this undergraduate certificate often decide to pursue employment in education, public service, and human welfare and social work. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## American Indian Nation Governance Certificate (LAAIGVCERT)

**Campus:** Tempe

**Description:** In the American Indian nation governance certificate program, students develop knowledge about and insight into government and governance in Native American communities. The curriculum covers themes such as the history, policies and sovereign status of American Indians, and the legal relationships between the Native American nations and state governments as well as the U.S. federal government.

**Program Requirements:**
The certificate in American Indian Nation governance requires completion of 15 credit hours (12 of which must be upper division and nine of which must be taken from The College of Liberal Arts and Sciences). Students complete six credit hours of American Indian studies and six credit hours of political science. An additional three credit hours are selected from the approved list of AIS and POS policy and applied courses, including an optional internship. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher for use in the certificate.

AIS Core Courses (choose two) -- 6 credit hours
AIS 180: Introduction to American Indian Studies (C) (3)
AIS 380: Contemporary Issues of American Indian Nations (C) (3)
AIS 470: Tribal Governance (3)

POS Core Courses (choose two) -- 6 credit hours
POS 310: American National Government (SB) (3)
POS 325: Public Policy Development (SB) (3)
POS 346: Problems of Democracy (HU) (3)
POS 368: Ethics and Human Rights (3)
POS 370: Law and Society (SB) (3)
POS 439: Minority Group Politics in America (SB & C) (3)

AIS or POS Policy and Applied Course (choose one) -- 3 credit hours
AIS 394: Reservation Economic Development (3)
AIS 445: American Indian Leadership and Resistance (SB & H & C) (3)
AIS 455: Human Rights and Cultural Resource Laws (3)
AIS 484: Internship (3)
AIS 494: American Indian and Indigenous Rights (3)

AIS 494: American Indian Rights  (3)
AIS 498: Pro-Seminar (L) (3)
POS 484: Internship  (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who combine the certificate in American Indian nation governance with their major program of study may increase their marketability to employers.

Those completing this certificate program are better prepared to work with Indian nations, federal and state agencies, and nonprofit organizations, regardless of their academic major or final career path.

**Contact Information:**
Liberal Arts and Sciences, The College of
American Indian Studies Program
https://americanindian.asu.edu/degree/certificate/certificate-am-indian-nation-governance
DISCVRY 356
AIS@asu.edu
480-965-3634

## Analysis and Management of Insurance Risk Certificate (LAAMIRCERT)

**Campus:** Tempe

**Description:** Risk management is the identification, assessment and prioritization of risks that is followed by coordination and economic application of resources to minimize risk and monitor the probability and impact of unfortunate events or to maximize the realization of opportunity. The objective of risk management is to assure uncertainty does not deflect the endeavor from the business goals.

The certificate program helps students become well-rounded assessors of risk, ready to utilize their knowledge of mathematics, statistics, economics, marketing, business, finance and accounting in an insurance career.

**Program Requirements:**
The certificate requires 15 credit hours from the approved course list below, with the only required course being ACT 301.  A grade of "C" (2.00 on a 4.00 scale) is required for all courses.

Required Course -- 3 credit hours
ACT 301: Risk Management and Insurance (SB) (3)

Electives (choose four) -- 12 credit hours
ACT 201: Introduction to Elements and Techniques of Actuarial Science (3)
ACT 302: Fundamentals of Enterprise Risk Management (3)
ACT 320: Property and Casualty Insurance (3)
ACT 330: Life and Health Insurance (3)
ACT 370: Software Tools for Business Analytics (3)
ACT 484: Internship (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students must hold a minimum GPA of 2.50 to pursue this certificate and have completed the following prerequisite courses at ASU or an equivalent institution with a grade of "C" or better (scale is 4.00 = "A"):

CIS 105 Computer Applications and Information Technology or equivalentECN 211 Macroeconomic Principles or ECN 212 Microeconomic PrinciplesMAT 210 Brief CalculusSTP 226 Elements of Statistics or ECN 221 Business Statistics

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student. Applicants should contact the unit for additional information.

**Career Opportunities:** Risk is a part of daily life and wherever there is risk, there are opportunities for actuarial intervention. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health, and ensure organizations conform to stringent, complex legal mandates. Others help companies establish retirement plans or are employed as consultants.

Graduates with a certificate in analysis and management of insurance risk possess skills that are transferable to any industry and any organization that requires risk modeling and management, including:

- colleges and universities
- consulting firms
- energy, such as utilities, oil and gas
- environment (on issues such as the financial impact of climate change or risk of extreme events)
- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor and Medicare (to manage social programs and to develop regulations and legislation)
- insurance companies
- retirement and pensions
- transportation, such as shipping and air travel

They can also apply the advanced problem-solving skills learned in the analysis and management of insurance risk certificate program to a variety of other professional careers, including:

- analysts
- business operations specialists
- consultants
- teachers

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/
WXLR 216
math@asu.edu
480-965-7195

## Applied Business Data Analytics Certificate (BABDACERT)

**Campus:** Tempe, Online

**Description:** The certificate program in applied business data analytics is for students who are interested in practical uses for computer-based tool suites that are capable of managing vast amounts of data. Students learn sophisticated but easy-to-use means of managing and analyzing such data. They leverage the tools for making good decisions about projects, process designs and fundamental tasks.

Exposure to predictive analytics and modeling, big data techniques, and visualization provides significant insight into the advanced uses of the computer-based tools. Critical thinking is an important skill and mindset that is required for establishing and evaluating evidence-based benchmarks for making good data decisions leading to high-quality outcomes.

**Program Requirements:**
The certificate in applied business data analytics requires 18 credit hours and is available to all majors. At least 12 credit hours must be upper division.
To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or higher.

Required Courses -- 18 credit hours
CIS 105: Computer Applications and Information Technology (CS) (3)
CIS 308: Advanced Excel in Business (3)
CIS 309: Business Process Management (3)
CIS 310: Business Data Visualization (3)
CIS 405: Business Intelligence (3)
Any Statistics Course or CIS 313: Location Analytics in Business (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** ASU degree-seeking students

The applied business data analytics certificate is open to all ASU students.

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

Nondegree-seeking students

This certificate is available through the Pathways for the Future program (https://pff.asu.edu/). Applicants without a bachelor's degree are eligible to apply for, and receive, this certificate, through the Pathways for the Futures program. Applicants who already hold a bachelor's degree should apply to ASU and this certificate program as a nondegree-seeking graduate student.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/undergraduate-certificate-applied-business-data-analytics/) for program descriptions and to request more information.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. By adding this specialization as a complement to their major program of study, students become more attractive to future employers.

Graduates with this certificate often decide to pursue employment in management, business analysis or marketing. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Department of Information Systems
https://wpcarey.asu.edu/information-systems-degrees
BAC 601
wpcareyis@asu.edu
480-965-3252

## Applied Cybersecurity Certificate (ASACSCERT)

**Campus:** Polytechnic, Tempe, West

**Description:** The applied cybersecurity certificate program is designed to build competencies in security operations, risk assessment, network security, and governmental and regulatory compliance in an interdisciplinary learning setting. Building upon core skills that students bring with them from their majors, students practice dealing with cyber threats and resolving issues from multiple perspectives.

The program is offered through a collaboration between the New College of Interdisciplinary Arts and Science, the Ira A. Fulton Schools of Engineering and the W. P. Carey School of Business.

**Program Requirements:**
The certificate in applied cybersecurity consists of 15 credit hours; a minimum of 12 upper-division credit hours must be earned at ASU. Six credit hours must be unique and not count towards a student's undergraduate degree. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better. Students must select courses from more than one subject to fulfill certificate requirements.
Students must take CSE 365 or IFT 202 and one course each from groups A, B or C, and D; then one course from Group E for a total of five courses or 15 credit hours. It is recommended that the Group A course be taken concurrently with CSE 365 or IFT 202. The Group B or C and D courses must be taken after successful completion of CSE 365 or IFT 202. Group A through D courses must be completed successfully before enrolling in the Group E required course.

Required Course -- 3 credit hours
CSE 365: Information Assurance or IFT 202: Foundations of Information and Computer System Security (3)

Group A - Security Operations and Risk Management -- 3 credit hours
ACO 401 / CIS 401: Managing Cyber Risks in Enterprise Business Processes (3)
ACO 461: Security Operations (3)
IFT 381: Information System Security (3)

Group B - Systems and Network Security OR Group C - Forensics/Cyber Crime -- 3 credit hours
Group B - Systems and Network Security:
ACO 431: Network Security (3)
CSE 466: Computer Systems Security (3)
CSE 468: Computer Network Security (3)
IFT 458: Middleware Programming and Database Security (3)
IFT 475: Security Analysis (3)

Group C - Forensics/Cyber Crime:
CSE 469: Computer and Network Forensics (3)
FOR 350: Computer Forensics (3)
IFT 482: Network Forensics (3)

Group D - Policy -- 3 credit hours
ACO 351: Governance, Risk and Compliance (3)
ACO 402 / CIS 402: Privacy, Ethics and Compliance Issues (3)
CSE 467: Data and Information Security (3)
IFT 483: Developing Security Policy (3)

Group E - Project -- 3 credit hours
Students may take more than one semester of the Applied Project but only three credit hours will count towards the certificate.
ACO 484: Internship or ACO 499: Individualized Instruction (3)
CIS 440: Capstone in Information Systems (L) (3)
CSE 485: Computer Science Capstone Project I (L) or CSE 486: Computer Science Capstone Project II (L) (3)
IFT 401: Information Technology Capstone Project I or IFT 402: Information Technology Capstone Project II (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** To enroll in this certificate program, students should have completed at least 45 credit hours in their declared majors and have a cumulative GPA of 2.00 or better.

Students should pay attention to the prerequisites needed for required certificate courses and make sure to complete prerequisite courses prior to enrolling in the certificate program.

CSE 365 Information Assurance has prerequisites of ACO 240, CIS 235, CIS 236, CSE 220 or CSE 240; and a pre- or corequisite of CSE 310.
Prerequisites for ACO 240 Introduction to Programming Languages: ACO 102 or CSE 205, or GIS major with GIS 222, or software engineering graduate student
Prerequisites for CIS 235 Introduction to Information Systems: CIS 105, 200 or 220; MAT 210, 211, 270 or 271
Prerequisites for CSE 220 Programming for Computer Engineering: CSE 205
Prerequisites for CSE 240 Introduction to Programming Languages: ACO 102 or CSE 205, or GIS major with GIS 222, or software engineering graduate student

IFT 202 Foundations of Information and Computer System Security has prerequisites of IFT 101, IFT 103 and IFT 166.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This certificate is an ideal supplement for students interested in careers in cybersecurity in both the private sector and within government agencies, such as the FBI, U.S. Department of Homeland Security, National Security Agency, and U.S. Department of Defense. The certificate in applied cybersecurity provides a solid background for students interested in the following careers:

- chief information security officer
- cyber risk analyst
- information security engineer
- network security engineer
- security operations center analyst

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASACSCERT/undergrad/true/177
FAB N101
MNSadvising@asu.edu
602-543-3000

## Applied Social Sciences Certificate (ASAPSSCERT)

**Campus:** West

**Description:** The certificate program in applied social sciences prepares students to apply social science tools to practical problems. Through

collaboration, students develop case studies, engage in fieldwork, and learn both how to apply expert knowledge and how to communicate evidence. Working with stakeholders, students identify and solve problems, reform managerial structures and organizational systems, and drive social change.

**Program Requirements:**
The certificate in applied social sciences requires a minimum of 15 credit hours (at least 12 must be upper division), consisting of six core credit hours, six credit hours of electives, and three credit hours of applied project. Six credit hours must be completed through courses offered by the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of three credit hours of individualized instruction or internship may be applied toward the certificate. A maximum of six credit hours may be shared between the certificate and a New College major.
Electives are not limited to the certificate elective list; students should see their academic advisor prior to enrollment. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. Only courses in which a student receives a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

Required Core Courses -- 6 credit hours
SBS 304: Social Statistics I (CS) or SBS 404: Social Statistics II: Multivariate Analysis (CS) (3)
SOC 331: Environmental Sociology (SB & G) (3)

Electives (minimum three upper-division credit hours) -- 6 credit hours
ASB 339 / SBS 339 / POS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ASB 340 / SOC 328: Migration and Culture (SB & G) (3)
ASB 394 / JHR 394 / POS 394 / SBS 394 / SOC 394: Special Topics (3)
ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)
ASB 492 / JHR 492 / POS 492 / SBS 492 / SOC 492: Honors Directed Study (3)
ASB 493: Honors Thesis (L) or JHR 493: Honors Thesis or POS 493 / SBS 493 / SOC 493: Honors Thesis (L) (3)
ASB 494 / JHR 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)
ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)
JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)
POS 150: Comparative Government (SB & G) (3)
POS 350: Comparative Politics (SB & G) (3)
SOC 241: Modern Social Problems (SB) (3)
SOS 111: Sustainable Cities ((HU or SB) & G) (3)

Upper-Division Applied Project -- 3 credit hours
ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)
ASB 493: Honors Thesis (L) or JHR 493: Honors Thesis or POS 493 / SBS 493 / SOC 493: Honors Thesis (L) (3)
ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)
ENG 484 / ETH 484 / JHR 484: Pen Project Prison Teaching (3)
Other applied project/experiential learning courses may apply with prior advisor approval.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The certificate program is recommended for students with academic or career interests in human resources, administration, journalism, social work, business, community and civic work as well as politics, organizing and advocacy, public policy, education and sustainability. Graduates may find employment in positions such as research specialist, research project manager, human resources manager or assistant, recruiter, educator or social worker.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASAPSSCERT/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Arabic Studies Certificate (LAARBCERT)

**Campus:** Tempe

**Description:** The certificate program in Arabic studies provides students with skills that enable them to communicate effectively in Arabic in the four areas of language acquisition: listening, reading, speaking and writing.

Simultaneously, students gain broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world. The program provides critically needed educational and cultural diversity that enriches students' undergraduate experiences and prepares them for life as employees and employers.

Graduate students in the liberal arts, social sciences and humanities seeking academic or professional careers in any of the three disciplines also benefit from this certificate because of the added advantage the program gives them in the job market, given the demonstrably high need for graduates with knowledge of the Arabic language.

**Program Requirements:**
The Arabic studies certificate requires students to complete 18 credit hours of upper-division coursework. A grade of "C" (2.00 on a 4.00 scale) or better is required for each course.

Arabic Core (choose three) -- 9 credit hours
ARB 311: Advanced Arabic Skills I or ARB 411: Advanced Arabic Skills II (G) (3)
ARB 321: Arabic Conversation I or ARB 421: Arabic Conversation II (3)
ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 341: Quran Text and Women (HU & H) or ARB 351: Classical Arabic Literature (HU & G) (3)
ARB 352: Modern Arabic Literature in Translation (HU & G) or ARB 422: Advanced Arabic Media (G) (3)

Elective Courses (choose three) -- 9 credit hours
Some courses can be used either as a core course or as an elective, but no course can be counted more than once toward certificate requirements.

ARB 321: Arabic Conversation I (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 336: Introduction to the Qur'an (G) (3)
ARB 337: Hadith and Prophetic Tradition (HU & H & G) (3)
ARB 340: Arabic Translation (3)
ARB 341: Quran Text and Women (HU & H) (3)
ARB 351: Classical Arabic Literature (HU & G) (3)
ARB 352: Modern Arabic Literature in Translation (HU & G) (3)
ARB 360: Islamic Philosophical Literature (3)
ARB 421: Arabic Conversation II (3)
ARB 422: Advanced Arabic Media (G) (3)
ARB 427: Arabic Prose: Reading the Arabian Nights (3)
ARB 428: Arab Women's Writing (HU & G) (3)
GCU 328: Geography of Middle East and North Africa (SB & G) (3)
HST 307: Studies in African History (3)
HST 372: Modern Middle East (SB & G & H) (3)
REL 365: Islamic Civilization (HU & H) (3)
REL 366: Islam in the Modern World (HU & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Any student accepted into an appropriate degree program at ASU can declare the certificate in Arabic studies. Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in Arabic studies with their major program of study may be more marketable to employers. They often decide to pursue employment in education, political analysis, the military, tourism and hospitality, or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-arabic-studies-cert

DH 131
silcadvising@asu.edu
480-965-6281

## Arts Entrepreneurship Certificate (HITHAECERT)

**Campus:** Tempe
ASU is not currently accepting applications for this program.
**Description:** Arts entrepreneurship is an emerging transdisciplinary field that harnesses the skills and mindset of the entrepreneur to empower artists to create work that is meaningful, sustainable and oriented to community and market need. Students across the disciplines of art, dance, design, film, music and theatre benefit from the business, marketing and organizational skills offered by certificate courses as applied specifically to and within the arts.

**Program Requirements:**
The undergraduate certificate in arts entrepreneurship consists of 15 credits. A grade of "B" or better is required in HDA 252 and a grade of "C" or better is required in all other courses.

Core -- 3 credit hours
HDA 252: Foundations Arts and Design Entrepreneurship (3)

Arts Business Course (select two) -- 6 credit hours
ARA 396: Professional Practices for Design and the Arts (3)
ARA 460: Gallery Exhibitions (3)
DSC 394: Design Entrepreneurship & Society (3)
ENT 305: Principles of Entrepreneurship (3)
FMP 417: Business and Legal Practices in Entertainment (3)
HDA 420: Design and the Arts Business Administration (3)
MUP 438: The Enterprising Musician (3)
NLM 451: Grant Writing (3)
THP 351: Arts Management (3)
THP 450: Theatre Organization and Management (3)

Arts Policy, Community or Social Engaged Arts Course (select two) -- 6 credit hours
ARS 441: Public Art (3)
ART 442: Art and Community (3)
DCE 494 / HDA 494 / THP 494: The Atlas of Creative Tools (3)
DSC 494: Indigenous Architecture, Planning and Construction (3)
DSC 494: Indigenous Project Delivery (3)
EDS 301: Sustainable Community Design and Practices (HU) (3)
HDA 310: Socially Engaged Practice (3)
HDA 394: Disrupt, Create, Sustain (3)
HDA 494: Civic Body: Art and Public Health (3)
HDA 494: Civ Prac: Artists&Designers Collaborating/Comm (3)
HDA 494: Civic Practice:Arts/Design & Public Partnerships (3)
HDA 494: Creative Facilitation: Collaboration, Imagination (3)
HDA 494: Creative Project Management (3)
MUP 439: Music Product Creation and Development (3)
NLM 410: Social Entrepreneurship (3)
THP 482: Theatre for Social Change (C) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate in arts entrepreneurship, meant to extend the study of an individual arts discipline, is available only to current students with a major within the Herberger Institute for Design and the Arts.

Students may be admitted to the certificate program upon completion of HDA 252 Foundations Arts and Design Entrepreneurship with a grade of "B" or better (scale is 4.00 = "A") and an overall GPA of 3.00 or higher. Students must submit an application to the Herberger Institute Office of Student Success. Institute students meeting the course and GPA requirements may enroll in the certificate, and a school advisor will add the certificate plan code to the student's record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Design a business model appropriate to a specific arts discipline.
- •Design effective artistic products.

**Career Opportunities:** The certificate program in arts entrepreneurship provides an excellent foundation for those who want to work in arts management and provides each student the unique opportunity to explore their own creative process and their ability to collaborate with others. Additionally, the program's liberal arts emphasis prepares them for a variety of careers.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/
CDS 101D
mdtadmissions@asu.edu
480-965-4495

## Arts and Humanities in Games Certificate (ASAHGCERT)

**Campus:** West

**Description:** The certificate program in arts and humanities in games trains students to design, develop, create and analyze games from holistic and interdisciplinary perspectives and to understand the utilization, consumption and real world impact of games in a diverse culture and society.

The goal is to make students' minds more supple, critical in thinking and expansive, through an interdisciplinary approach that encompasses the design and development of toys and games as well as the qualitative study of them. The interdisciplinary approach helps students understand the impact of play on human mental, emotional and social growth.

This program, through foregrounding arts and humanities in the study of games, provides a complementary approach to the technically based study of games offered by the ASU Ira A. Fulton Schools of Engineering.

**Program Requirements:**
The certificate in arts and humanities in games consists of 18 credit hours; a minimum of 12 credit hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. All courses used to fulfill the requirements for the certificate must be passed with a "C" (2.00) or better.
The certificate consists of six credit hours of required foundational courses, and nine credit hours from one of the following game emphasis areas: Toys and Games as Works of Art (Art Game Practitioner); Toys and Game Culture (Research Scholar); Game Writing (Game Design Practitioner); or Game Sound (Game Design Practitioner); and three credit hours of playworks portfolio.

Required Foundational Courses -- 6 credit hours
IAP 220: Introduction to Game Studies (3)
IAP 222: Games and Ethics (HU) (3)

Game Emphasis Area -- 9 credit hours
Students must take two required courses and one elective from their selected emphasis area below. (9)

Toys and Games as Works of Art (Art Game Practitioner) Emphasis Area
Required:
IAP 362: Games and Narratology (3)
IAP 462: Games and Play (3)
Electives:
IAP 352: Seeing and Drawing (3)
IAP 354: Visual Representation (3)
IAP 361: Digital Editing and Media Literacy (CS) (3)
IAP 366: 3D Modeling and Media Literacy (3)

Toys and Game Culture (Research Scholar) Emphasis Area
Required:
ENG 441: Introduction to Participatory Media (3)
IAP 462: Games and Play (3)
Electives:
COM 312: Communication, Conflict, and Negotiation (3)

COM 324: Rhetoric and Media Criticism (3)
COM 416: Gender and Race in the Media (3)
COM 429: Semiotics and Visual Communication (3)
ENG 449: Masculinities, Femininities and Literacies (3)
IAP 464: Media and Diversity (HU & G) (3)

Game Writing (Game Design Practitioner) Emphasis Area
Required:
FMS 365: Video Games and Narrative or IAP 494: Scriptwriting for Games (3)
IAP 362: Games and Narratology (3)
Electives:
ENG 379: Travel Writing (L) (3)
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)
IAP 462: Games and Play (3)

Game Sound (Game Design Practitioner) Emphasis Area
Required:
IAP 362: Games and Narratology (3)
IAP 421: Composition: Process, Technique and Style or IAP 469: Advanced Audio Production (3)
Electives:
IAP 322: Multitrack Digital Recording (3)
IAP 325: Sound Performance: Exploring Alternative Performance Groups (3)

Portfolio -- 3 credit hours
IAP 496: Playworks Portfolio (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The certificate in art and humanities in games is appropriate for students seeking employment as:

- animators
- computer programmers
- digital media specialists
- game script writers
- multimedia artists
- software applications developers
- video game designers

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASAHGCERT/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Arts in Education Certificate (HIAEDCERT)

**Campus:** Tempe

**Description:** The certificate program on arts in education and recreation is specifically designed for prospective preK-8 educators and recreation specialists who wish to enhance their facilitation practices by developing the skills they need to use the arts throughout their programming and curriculum.

This certificate program does not lead to any official teaching certificate or endorsement through Arizona Department of Education. Instead, it is designed to help educators use the arts in their regular teaching practice.

By weaving the principles and practices of the arts and other disciplinary curricula together, teachers can create rich and engaging environments that enhance student learning by capitalizing on the critical thinking, communication, collaboration and creativity inherent in the arts and arts

experiences.

**Program Requirements:**
The certificate in arts in education requires 18 credit hours (including 12 credit hours of upper-division courses). All upper-division courses must be completed with a minimum grade of "C" (2.00).

Arts in Education Core -- 6 credit hours
At least three credit hours must be upper division.
Other courses which may engage in the teaching or learning of creative disciplines may be petitioned to apply.
ARA 311: Art Appreciation and Human Development (HU) (3)
ARE 301: Studio Art and Human Development (3)
ARE Elective (1-6)
DCE 350: Dance in the Classroom: Learning Through Movement (HU) (3)
DCE 354: Creative Approaches to Teaching Dance I (3)
MUE 310: Music in Early Childhood (HU) (3)
MUE 311: Music in the Lives of Children and Youth (HU) (3)
MUE Elective (1-6)
MUS 211: Dance, Music and Meaning (HU) (3)
MUS 212: Music, Meaning and Imagination (HU) (3)
MUS 215: Children, Creativity, Arts (HU) (3)
THP 311: Drama and Education: Performance Methods for Teaching (L) (3)
THP 411: Methods of Teaching Drama (4)

Track Option 1: Educators / Education Majors -- 12 credit hours
This track is intended for educators or education majors seeking to gain more exposure to creative arts disciplines and/or teaching in the creative arts disciplines.
At least nine credit hours must be upper division.
Some courses are fewer than three hours and may be repeated for credit.
AME 111: Introduction to Digital Culture (CS) (3)
ARA 195: Art in My World (HU) (3)
ARA 311: Art Appreciation and Human Development (HU) (3)
ARC 111: Architecture of Architecture I (3)
ARC 112: Architecture of Architecture II (3)
ARC 330: World and Western Architecture for Nonmajors (HU & H & G) (3)
ARC 432: Architecture History (3)
ARE 301: Studio Art and Human Development (3)
ARE 494: Special Topics (3)
ARE Elective (1-6)
ARS 300: Introduction to Art (HU) (3)
ART 109: Making as Seeing and Thinking (3)
ART 110: Drawing as Seeing and Thinking (HU) (3)
DCE 100: Introduction to Dance (HU) (3)
DCE 300: Dancing Histories (HU) (3)
DCE 301: Dance Analysis and Theory (L or HU) (3)
DCE 303: The Body Condition(ed) (SB) (3)
DCE 350: Dance in the Classroom: Learning Through Movement (HU) (3)
DCE 354: Creative Approaches to Teaching Dance I (3)
DCE 402: Ethnography of Dance Practices (L) (3)
DCE 404: Dance and Ethics (L) (3)
DCE 405: Writing the Creating Body (L or HU) (3)
DSC 494: Basic Model Making Techniques (1)
DSC 494: Cold Casting and Mold Making for Modeling (1)
DSC 494: Finishes (1)
EDS 200: Design Literacy and Communication (3)
EDS 223: Design Thinking (3)
EDS 301: Sustainable Community Design and Practices (HU) (3)
FMP 180: Principles of Production Technology (3)
FMP 210: Principles of Filmmaking (3)
FMP 255: Media Authorship (CS) (3)
FMP 300: Film Production: Non-Majors (3)
FMP 340: Approaches to International Cinema (HU & G) (3)
FMP 405: Special Topics (3-6)
MUE 310: Music in Early Childhood (HU) (3)
MUE 311: Music in the Lives of Children and Youth (HU) (3)

MUE 494: Special Topics (1-3)
MUE Elective (1-6)
MUP 442: Instrumental Ensembles (1-2)
MUP 443: Choral Ensembles (1-2)
MUP 444: Maroon and Gold Concert Band (1)
MUP 450: Choral Union (1-2)
MUP 455: Arizona Statesmen (1-2)
MUP 457: Sol Singers (1)
MUP 459: Barrett Choir (1-2)
MUP 489: Ethnomusicology Ensembles (1)
MUS 210: The Arts Around Us (HU) (3)
MUS 211: Dance, Music and Meaning (HU) (3)
MUS 212: Music, Meaning and Imagination (HU) (3)
MUS 215: Children, Creativity, Arts (HU) (3)
MUS 294: Special Topics (1-3)
MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) (3)
MUS 347: Jazz in America (HU & C) (3)
MUS 354: Jazz Giants (3)
MUS 355: American Music (HU & C & H) (3)
MUS 356: Broadway and the American Musical (HU) (3)
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)
MUS 494: Special Topics (1-4)
THE 320: History of the Theatre I (HU & H) (3)
THE 321: History of the Theatre II (HU & H) (3)
THE 322: Theatre History and Culture (HU & H) (3)
THF 101: Acting Introduction or THP 194: Understanding Acting (3)
THF 160: Introduction to Storytelling (HU) (3)
THP 311: Drama and Education: Performance Methods for Teaching (L) (3)
THP 411: Methods of Teaching Drama (4)
THP 482: Theatre for Social Change (C) (3)

Track Option 2: Creatives / Artists -- 12 credit hours
This track is intended for creatives / artists seeking to gain more exposure to teaching and learning in the creative arts disciplines.
At least nine credit hours must be upper division.
Some courses are fewer than three hours and may be repeated for credit.
ARA 311: Art Appreciation and Human Development (HU) (3)
ARE 301: Studio Art and Human Development (3)
ARE Elective (1-6)
DCE 300: Dancing Histories (HU) (3)
DCE 301: Dance Analysis and Theory (L or HU) (3)
DCE 350: Dance in the Classroom: Learning Through Movement (HU) (3)
DCE 354: Creative Approaches to Teaching Dance I (3)
DCE 402: Ethnography of Dance Practices (L) (3)
DCE 405: Writing the Creating Body (L or HU) (3)
ECD 417: Arts Integration for Young Children (3)
MUE 310: Music in Early Childhood (HU) (3)
MUE 311: Music in the Lives of Children and Youth (HU) (3)
MUE 319: Digital and Hybrid Lab (2)
MUE 494: Special Topics (1-3)
MUE Elective (1-6)
MUS 211: Dance, Music and Meaning (HU) (3)
MUS 212: Music, Meaning and Imagination (HU) (3)
MUS 215: Children, Creativity, Arts (HU) (3)
SPE 222: Orientation to Education of Exceptional Children (SB & C) (3)
TEL 310: Instructional Thought and Action: Instructional Design and Planning (3)
TEL 315: Child and Adolescent Development (L or SB) (3)
TEL 317: Instructional Thought and Action: Learning Environment and Management (3)
THE 322: Theatre History and Culture (HU & H) (3)
THP 311: Drama and Education: Performance Methods for Teaching (L) (3)
THP 411: Methods of Teaching Drama (4)
THP 482: Theatre for Social Change (C) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This program can add richness and depth to a student's program of study and is applicable to multiple careers, including:

- community engagement
- dementia care
- education and teaching
- nursing
- recreation

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu
CDS 101
HerbergerAdmissions@asu.edu
480-965-4495

## Asian Pacific American Studies Certificate (LAAPACERT)

**Campus:** Tempe

**Description:** Asian Pacific American studies educates students in social justice, the global causes and impacts of Asian and Pacific Islander migration, relational and comparative racial formations, and ethnic studies movements that have made and continue to make a difference in society for all people.

Topics include diaspora, globalization, U.S imperialism and settler colonialism, social networks, immigration, interracial and interethnic relations, and the health and well-being of Asian Pacific American families and communities. The certificate program provides students with the opportunity to work with a dedicated faculty committed to community-engaged research and student-centered learning.

The Asian Pacific American studies program is housed in ASU's interdisciplinary School of Social Transformation, the only school of its kind in the United States.

**Program Requirements:**
The certificate consists of 18 credit hours, of which at least 12 must be completed at the upper-division level. Nine credit hours of core coursework are required and the remaining nine credit hours are selected from any course with an APA subject. At least nine credit hours must be taken in residency at ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Core Courses -- 9 credit hours
APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C) (3)
APA 360: Asian Pacific American Experience (3)
APA 484: Internship (3)
*One APA 360 course is required for the core. The course may be repeated for credit with these different topics: Chinese American; Filipino American; Japanese American; Multiracial Experiences; Pacific Islander.

Electives -- 9 credit hours
APA Elective (3)
APA Upper Division Elective (6)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Students will perform critical analysis of a historical or contemporary issue affecting the Asian Pacific American population drawing upon key

concepts in the field of Asian Pacific American studies.
•Students will be able to summarize a range of Asian American and Pacific Islander experiences and communities within local, national and global contexts.

**Career Opportunities:** Graduates who have combined the certificate in Asian Pacific American studies with their major program of study may be more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Asian Studies Certificate (LAASNCERT)

**Campus:** Tempe

**Description:** The Asian studies certificate program supplements a bachelor's degree, providing students with knowledge of a language relevant to the study of Asia as well as general knowledge of Asian history, art, culture and society.

Graduates possess official transcript recognition of specialization in Asian studies.

**Program Requirements:**
The certificate requires 24 credit hours of approved coursework, in addition to proficiency in a language relevant to the study of Asia. Fifteen credit hours of upper-division area studies coursework must be chosen from at least four different disciplines, e.g., language and cultures, history, religious studies, anthropology, geography, political science, global studies, art and music. Courses from other disciplines may be used by approval. The remaining nine credit hours may be chosen in any combination.
At least six upper-division hours in the certificate must be in courses offered by The College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course that is used to fulfill the certificate requirements.

Language Requirement
Students must demonstrate proficiency in a language relevant to the study of Asia by completing the 201 and 202 course sequence, one year of study abroad at the intermediate level or satisfactory performance on a proficiency exam. Acceptable languages include Arabic, Chinese, French, Hindi, Indonesian, Japanese, Korean, Portuguese, Spanish, Thai and Vietnamese. Students who are already proficient in one of these languages, or in another language relevant to the study of Asia that is not offered by ASU, such as Dutch, Tagalog or Urdu, may fulfill the requirement by passing a proficiency exam.

Disciplinary Electives -- 24 credit hours
Upper Division Disciplinary Electives (15)
At least four different disciplines must be represented within the upper-division disciplinary electives (e.g., history, religious studies, global studies, anthropology). Crosslisted courses will only apply to the certificate under one discipline; students may choose the discipline that is most advantageous.
Disciplinary Electives (9)
Students select the remaining disciplinary electives from the lists below in any combination.

African and African-American Studies
AFR 373: Islam and World Affairs (G) (3)

Anthropology
ASB 325: Peoples of Southeast Asia (G) (3)

Art History
ARS 201: Art of Asia (HU & H & G) (3)
ARS 394: Anime (3)
ARS 394: Modern and Contemporary Chinese Art (3)
ARS 444: Films of India (3)
ARS 472: Art of China (HU) (3)
ARS 473: Art of Japan (HU) (3)
ARS 475: Chinese Painting (HU) (3)

Civic and Economic Thought and Leadership
CEL 494: Political Thought: Islam, Hinduism, Confucianism (3)

Cultural Geography
GCU 240: Introduction to Southeast Asia ((HU or SB) & G) (3)
GCU 326: Geography of Asia (SB & G) (3)
GCU 432: Geography of China (SB & G) (3)
GCU 433: Geography of Southeast Asia (3)

Dance
DCE 114: Dances of India I (2)
DCE 116: T'ai Chi Chuan I (2)
DCE 194: Intro to Chinese Classical Dance (2)
DCE 216: T'ai Chi Ch'uan II (2)

English
ENG 466: Studio Ghibli Films (3)

Film and Media Studies
FMS 426: Films of India (3)

Global Studies
SGS 240: Introduction to Southeast Asia ((HU or SB) & G) (3)
SGS 245: Introduction to India and South Asia (HU & H & G) (3)
SGS 381: Modern Southeast Asia (SB & G & H) (3)

History
HST 106: Asian Civilizations ((HU or SB) & G & H) (3)
HST 108: Introduction to Japan (SB & G & H) (3)
HST 111: Introduction to Asia (HU & H & G) (3)
HST 240: Introduction to Southeast Asia ((HU or SB) & G) (3)
HST 245: Introduction to India and South Asia (HU & H & G) (3)
HST 302: Envisioning Peace (3)
HST 302: Women, War and Peace (3)
HST 303: Studies in Asian History (3)
HST 336: Islamic Civilization (HU & H) (3)
HST 339: Islam in the Modern World (HU & G) (3)
HST 383: China (SB & H) (3)
HST 384: Modern China: 1700 to the Present (SB & G & H) (3)
HST 386: Interpreting China's Classics ((L or HU) & H) (3)
HST 387: Japan ((L or SB) & H) (3)
HST 388: Japan (SB & G & H) (3)
HST 389: Japan Society and Values/Premod (3)
HST 391: Modern Southeast Asia (SB & G & H) (3)
HST 392: Modern India (3)
HST 394: Pakistan, India, and Afghanistan: Peace Challenges (3)
HST 451: Chinese Cultural History I ((HU or SB) & H) (3)
HST 452: Chinese Cultural History II (SB & G & H) (3)
HST 456: The Vietnam War (SB & G & H) (3)
HST 459: Gandhi and the Politics of Nonviolence (3)

Language and Cultures
CHI 120 / SLC 120: Introduction to Chinese Culture (L or HU) (3)
CHI 205: Chinese Calligraphy (1)
CHI 307: Introduction to Literary Chinese I (HU) (3)
CHI 308: Introduction to Literary Chinese II (HU) (3)
CHI 321: Chinese Literature (HU) (3)
CHI 322: Chinese Literature (HU & G) (3)
CHI 333 / SLC 333: China (SB & H) (3)
CHI 336 / SLC 336: Interpreting China's Classics ((L or HU) & H) (3)
CHI 338: Daode Jing: Way to the West (L or HU) (3)
CHI 343: Daoism ((L or HU) & G & H) (3)
CHI 345: Chinese Film and Civilization (3)
CHI 346: Chinese Religions (3)

CHI 348: Pathways into Chinese Culture (3)
CHI 394: Labor & the Environment in Chinese Writing (3)
CHI 451 / SLC 451: Chinese Cultural History I ((HU or SB) & H) (3)
CHI 452 / SLC 452: Chinese Cultural History II (SB & G & H) (3)
CHI 470: Modern Chinese Literature and Culture (3)
JPN 115: Japanese Popular Culture: Anime, Manga and Film (G) (3)
JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G) (3)
JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G) (3)
JPN 333: Japanese Civilization from the Ice Age to Last Thursday (3)
JPN 354 / SLC 354: Zen and Japanese Culture (3)
JPN 355 / SLC 355: Religious Practice of People in Modern Japan (HU & G) (3)
JPN 367 / SLC 367: Religion, Philosophy and Culture in Japan (3)
JPN 370 / SLC 370: Japanese Aesthetics: Art and Beauty in Japan (3)
JPN 394 / SLC 394: Anime, Manga, and Religion in Japan (3)
JPN 401: Reading Modern Japanese Texts ((L or HU) & G) (3)
JPN 414: Introduction to Classical Japanese (3)
JPN 415: Advanced Classical Japanese (3)
JPN 430 / SLC 430: Buddhist Meditation in East Asia (HU & G) (3)
JPN 445: Readings in Modern Japanese Letters and Culture (3)
JPN 485: Japanese Literature and the Art of Translation (3)
JPN 494 / SLC 494: The Art of the Ninja (3)
KOR 250: Korean Culture and Society (HU & G) (3)
KOR 321 / SLC 321: Modern Korean Literature (HU) (3)
KOR 347: Korean Film and Literature (HU) (3)
KOR 350: Women of Korea (H) (3)
KOR 354: Religions of Korea (HU) (3)
KOR 375 / SLC 375: Intercultural Communication in Korea (SB & G) (3)
KOR 415 / SLC 415: Korean Popular Culture (HU & G) (3)
KOR 420 / SLC 420: Emotions Across Languages, Cultures and History (HU & G) (3)
KOR 457 / SLC 457: Premodern Korea in a Global Context (HU) (3)
SLC 245: Introduction to India and South Asia (HU & H & G) (3)
SLC 334: Modern China: 1700 to the Present (SB & G & H) (3)
SLC 421: Japanese Literature in Translation (3)
SLC 494: Religions and Conflicts in Southeast Asia (3)
SLC 498: Chinese Flagship (3)
VTN 321: Advanced Vietnamese and Literature I (HU & G) (3)
VTN 322: Advanced Vietnamese and Literature II (HU & G) (3)

Music
MUP 489: Gamelan (1)

Political Science
POS 240: Introduction to Southeast Asia ((HU or SB) & G) (3)
POS 245: Introduction to India and South Asia (HU & H & G) (3)
POS 357: South Asia Politics (SB & G) (3)
POS 358: Southeast Asia (SB & G) (3)
POS 452: China (SB & G) (3)
POS 468: Comparative Asian Foreign Policies (SB & G) (3)

Religious Studies
REL 111: Introduction to Asia (HU & H & G) (3)
REL 240: Introduction to Southeast Asia ((HU or SB) & G) (3)
REL 245: Introduction to India and South Asia (HU & H & G) (3)
REL 338: Daode Jing: Way to the West (L or HU) (3)
REL 343: Daoism ((L or HU) & G & H) (3)
REL 344: Religion and Values in Japanese Life (HU & G) (3)
REL 345: Asian Religious Traditions (HU & G) (3)
REL 346: Chinese Religions (3)
REL 347: Religions of India ((L or HU) & G) (3)
REL 348: Religion and Culture in Southeast Asia (3)
REL 350: Hinduism ((L or HU) & G) (3)
REL 351: Buddhism ((L or HU) & G) (3)
REL 352: Modern Buddhism (3)
REL 354: Religions of Korea (HU) (3)

REL 355: Japanese Cities and Cultures to 1800 (HU) (3)
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G) (3)
REL 363: Islam and World Affairs (G) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 365: Islamic Civilization (HU & H) (3)
REL 366: Islam in the Modern World (HU & G) (3)
REL 367: Religion, Philosophy and Culture in Japan (3)
REL 394: Jainism (3)
REL 460: Islam and Politics (HU & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** GPA Requirement: None

Incompatible Majors: BA in Asia studies (East Asia); BA in Asia studies (South Asia); BA in Asia studies (Southeast Asia); BA in global Asia studies

Other Admission Requirements: There are no specific admission requirements other than a student's desire to learn about Asia.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in Asian studies with their major program of study may be more marketable to employers. They often decide to pursue employment in teaching, journalism, global finance and banking, international law and global public health. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Atmospheric Sciences Certificate (LAATMSCERT)

**Campus:** Tempe

**Description:** Students in the atmospheric sciences certificate program gain a focused understanding of weather, climate and the various related methods of measurement and instrumentation. The coursework is designed to give students the knowledge and skill set necessary for approaching meteorological-related programs through the lens of their primary field of study.

The curriculum of the certificate program is also associated with the requirements for certification as a meteorologist by the National Weather Service. Through completion of both the atmospheric sciences certificate and the BS program in geography with a concentration in meteorology-climatology, students acquire the skills in GIS and meteorological instrumentation required for national-level certification with the National Weather Service.

**Program Requirements:**
The certificate requires 19 credit hours with a "C" (2.00 on a 4.00 scale) or higher. At least 12 of the 19 credit hours must be upper-division coursework.

Required Courses -- 16 credit hours
GPH 213: Climate and Weather (SG) (3)
GPH 215: Climate and Weather Laboratory (SG) (1)
GPH 412: Physical Meteorology (3)
GPH 413: Meteorological Instruments and Measurement (3)
GPH 414: Climate Change (G) (3)
MAT 275: Modern Differential Equations (MA) (3)

Upper-Division Elective (choose one) -- 3 credit hours
GIS 311: Geographic Information Science III (CS) (4)
GIS 341: Cartography and Georepresentation (CS) (3)
GIS 351: Air Photo Interpretation (3)

GPH 314: Global Change (HU & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Applicants must have completed GPH 111 Introduction to Physical Geography, MAT 271 Calculus with Analytic Geometry II, and PHY 121 University Physics I: Mechanics with a grade of "C" or better (scale is 4.00 = "A").

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** A certificate in atmospheric sciences is a valuable addition to a degree for students looking for a career in which understanding weather systems could be beneficial, including career fields related to sustainability, resource management and more.

When combined with a BS in geography with a concentration in meteorology-climatology, students earning the certificate in atmospheric sciences are prepared for careers as meteorologists, such as those with the National Weather Service, broadcast meteorologists. They also are prepared to continue on with their studies for an advanced degree.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/certificate/certificate-atmospheric-sciences
COOR 5681
SGSUP.advising@asu.edu
480-965-7533

## Bilingual Education and English as a Second Language Certificate (TEESLCERT)

**Campus:** Tempe

**Description:** The certificate program in bilingual education and English as a second language prepares students to work with a growing population of culturally and linguistically diverse learners.

This certificate program allows graduates to meet requirements for endorsements in Bilingual Education and English as a Second Language through the Arizona Department of Education. This certificate program can be added to the following degree programs at Mary Lou Fulton Teachers College:

- BAE in early childhood education
- BAE in elementary education
- BAE in physical education
- BAE in secondary education
- BAE in special education

In this program, students learn and apply knowledge and skills in areas related to second language acquisition, biliteracy and bilingualism, culturally relevant and sustaining pedagogies and evidence-based instructional practices that value language diversity as an asset. Additionally, the certificate program helps students develop critical perspectives that allow them to advocate for equitable support systems that meet the needs of linguistically diverse children and families.

This program does not lead to teacher certification.

Format option
This program is also offered via ASU Sync (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Program Requirements:**
To be eligible to apply for an English as a Second Language Endorsement or a Bilingual Education Endorsement, students must complete this

certificate, complete their teacher preparation program, and provide verification of second language experience. The ESL endorsement requires second language learning experience which can be satisfied through the completion of two undergraduate foreign language classes. The BLE endorsement requires verification of proficiency in a spoken language other than English or sign language which can be satisfied through an external test. Students majoring in Special Education who want to obtain the BLE endorsement will be required to take one additional course in teaching students with exceptionalities from non-English language backgrounds.
This certificate requires 18 credit hours. A "C" or better is required in all coursework.

Required Courses -- 18 credit hours
BLE 220: Foundations of Structured English Immersion (L) or BLE 408: Structured English Immersion (SEI) Methods (L) (3)
BLE 336: Culturally Sustaining and Transformative Pedagogies (3)
BLE 338: Foundations of Second Language Acquisition and Development (L) (3)
BLE 400: Principles of Language Minority Education (3)
BLE 481: Reading Practicum (3)
TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate program is only open to students majoring in the early childhood education, elementary education, special education, secondary education and physical education undergraduate teacher preparation programs in Mary Lou Fulton Teachers College.

Students should have a valid Arizona DPS Identity Verified Print fingerprint clearance card.

A GPA of 2.25 is required for continued good standing. Students should contact Mary Lou Fulton Teachers College for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the awarding of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a non-degree seeking graduate student but may not be eligible for an institutional recommendation for Arizona teaching licensure without additional preparation beyond the certificate.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions, including the increasing number of dual-language programs.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 102
ASUeducation@asu.edu
480-965-9995

## Biomedical Research Certificate (ASBMRCERT)

**Campus:** West

**Description:** The biomedical research certificate program combines authentic research experience conducted in laboratories of practicing academic scientists with upper-division coursework, including laboratory courses, that allows for specialization in given subject areas, giving students competency in addressing scientific questions in the laboratory.

The program is offered by the New College of Interdisciplinary Arts and Sciences.

**Program Requirements:**
The certificate in biomedical research requires a minimum of 15 credit hours (at least 12 must be upper division). Twelve credit hours must be taken at ASU. A minimum of 6 upper division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. Nine credit hours must be counted toward the certificate alone and may not be shared with a student's major requirements. Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet certificate requirements.

Core Requirement -- 3 credit hours
STP 280: Probability and Statistics for Researchers (CS) (3)

Upper-Division Elective Requirements -- 8 credit hours
Complete at least two of the lecture/lab combinations below.
BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory (4)
BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory (4)

BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory (4)
BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory (4)
MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory (4)

Other Certificate Requirements (choose one option below) -- 4 credit hours

Option A -- 4 credit hours
If choosing Option A, complete three credit hours of STEM Research Fundamentals (any subject area) and one credit hour of Individualized Instruction or Supervised Research (any subject area).
ENV 388: STEM Research Fundamentals AND ENV 499: Individualized Instruction (4)
FOR 388: STEM Research Fundamentals AND FOR 499: Individualized Instruction (4)
LSC 388: STEM Research Fundamentals AND LSC 499: Individualized Instruction (4)
PLB 388: STEM Research Fundamentals AND PLB 499: Individualized Instruction (4)
PTX 388: STEM Research Fundamentals AND PTX 499: Individualized Instruction (4)

Option B -- 4 credit hours
If choosing Option B, take two credit hours of Individualized Instruction or Supervised Research (any subject area) in each of two consecutive semesters.
ACO 399: Supervised Research (2)
ACO 499: Individualized Instruction (2)
ENV 499: Individualized Instruction (2)
FOR 499: Individualized Instruction (2)
LSC 499: Individualized Instruction (2)
MAT 499: Individualized Instruction (2)
PLB 499: Individualized Instruction (2)
PTX 499: Individualized Instruction (2)
STP 499: Individualized Instruction (2)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate requires a cumulative GPA of 3.00 in ASU coursework and upper-division standing or graduate student status.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This certificate prepares students to be highly competitive for careers in the research sector or to pursue graduate and professional schools, such as medical school. Those who complete the biomedical research certificate are prepared for such positions as laboratory researchers or technicians, pharmacists, medical scientists, and molecular and cellular biologists.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASBMRCERT/undergrad/true/177
FAB N101
mnsadvising@asu.edu
602-543-3000

## Biomimicry Certificate (SUBMYCERT)

**Campus:** Tempe

**Description:** The undergraduate biomimicry certificate is an 18 credit hour interdisciplinary opportunity for students from a variety of backgrounds and any major. The certificate program is designed to address the growing interest in biomimicry knowledge and training.

The knowledge, competencies and skills students have upon completion of this program include the ability to:

- integrate biomimicry thinking into a discipline-specific opportunity resulting in biomimetic outcomes
- apply life's principles to specific needs within one's discipline
- facilitate the integration of biology into design within one's discipline using biomimicry thinking
- guide processes in one's discipline towards sustainability from a biomimetic perspective
- interpret observations in nature with a functional lens for design applications

The biomimicry certificate consists of four core classes, one elective course within the student's discipline, and a practicum capstone course offered through either the student's discipline or BMY 430 Biomimicry Practicum.

**Program Requirements:**
Students must earn a grade of "B" or better in all biomimicry certificate courses.
Students should complete SOS 110 prior to enrolling in the certificate or in the first semester of enrollment.

Core Courses -- 12 credit hours
Students must complete BMY 230, BMY 302, and BMY 304 prior to the Elective and Capstone.
BMY 230 / BIO 230: How Nature Works (3)
BMY 302: Principles of Life (3)
Notes:  BMY 302 is typically only offered in spring semester.
BMY 304: The Practice of Biomimicry (3)
Notes:  BMY 304 is typically only offered in fall semester.
SOS 110: Sustainable World (SB) (3)

Elective -- 3 credit hours
Upper Division Elective course that is biomimicry related and ideally makes a connection between the student's major and the certificate. The elective must be approved in advance by a biomimicry advisor (who will seek final approval from The Biomimicry Center). (3)

Capstone -- 3 credit hours
Upper Division Capstone course is required. To fulfill this requirement, students may take 1) a biomimicry-focused capstone in their corresponding major (requires pre-approval from a biomimicry advisor and final approval from The Biomimicry Center), 2) BMY 430: Biomimicry Practicum, OR 3) BMY 499 Independent Study (if a capstone is not available). (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students must have a GPA of 3.00 in order to add the undergraduate certificate in biomimicry.

Advising is not required, but it is suggested that students make an appointment (https://collegeofglobalfutures.asu.edu/student-life/advising/undergraduate-advising) with a College of Global Futures advisor to review additional details about the requirements.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue the graduate certificate in biomimicry.

**Career Opportunities:** Completing a biomimicry certificate can help students bring about positive change. The unique knowledge and skills gained enhance a student's bachelor's degree and career prospects and help them stand out in a sea of job applicants. The certificate can complement any career path, whether it's in business, technology, science, education or government.

**Contact Information:**
Global Futures, College of
School of Complex Adaptive Systems
https://scas.asu.edu/degree-programs/undergraduate-certificates/
WCPH 4th floor
cgfadvising@asu.edu
480-727-6963

## Brazilian Studies Certificate (LABZSCERT)

**Campus:** Tempe

**Description:** The certificate program in Brazilian studies encourages students to create a plan of study focusing on current sociocultural influences that will allow them to compete more successfully in the global job market.

Students pursue coursework in important areas, including complementary courses in specific issues in Brazilian culture, the examination of major themes in Brazilian popular and urban culture with particular emphasis on Afro-Brazilian society, a grounding in the major texts of Brazilian literature, and proficiency in the Portuguese language at the intermediate level.

**Program Requirements:**
The Brazilian studies certificate requires 18-20 credit hours of Portuguese language and elective culture content coursework, of which 12 credit hours must be upper division. A grade of "C" (2.00 on a 4.00 scale) or better is required in all coursework. Students choose one two-course

language sequence for a total of 6-8 credit hours of Portuguese language.
Course substitutions may be permitted for heritage speakers of Portuguese based on their proficiency level as determined by a Portuguese placement test. The language course substitution for advanced speakers of Spanish language can be satisfied by the two-course POR 320 and POR 321 sequence.

Portuguese Language -- 6 credit hours
Choose one two-course sequence for 6-8 credit hours. The upper-division two-course language sequence is 6 credit hours total.
POR 101: Elementary Portuguese I (G) AND POR 102: Elementary Portuguese II (G) (8)
POR 201: Intermediate Portuguese I (G) AND POR 202: Intermediate Portuguese II (G) (8)
POR 301: Portuguese for Spanish Speakers I AND POR 302: Portuguese for Spanish Speakers II (6)
POR 313: Portuguese Conversation and Culture (G) AND POR 314: Portuguese Composition and Culture (G) (6)
Notes: POR 313 and POR 314 may be applied to either Portuguese Language or to Upper-Division Electives but may not be applied and counted in both categories for this certificate.

Upper-Division Electives -- 12 credit hours
GCU 323: Geography of Latin America (SB & G) (3)
GCU 485 / PUP 485: International Field Studies (G) (3)
POR 313: Portuguese Conversation and Culture (G) (3)
POR 314: Portuguese Composition and Culture (G) (3)
POR 394: Special Topics (3)
POR 460: Brazilian Society Through Music (HU & G) (3)
POR 472: Luso-Brazilian Civilization (HU & G) (3)
POR 484: Internship (3)
POR 493: Honors Thesis (L) (3)
POR 494: Special Topics (3)
POR 499: Individualized Instruction (3)
*Other courses may be used with approval from the faculty coordinator and academic advisor in the School of International Letters and Cultures.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates can become more marketable to employers and advance their career options when they have earned an undergraduate certificate that complements their major program of study.

Those who have completed this certificate in Brazilian studies along with their major often decide to pursue employment in education, political analysis, the military, tourism and hospitality, or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-brazilian-studies
DH 131
silcadvising@asu.edu
480-965-6281

## Civic Education Certificate (LACVECERT)

**Campus:** Tempe

**Description:** The civic education certificate program is geared toward students who seek to actively engage in or teach others about political issues and reforms.

Coursework in the certificate provides a strong foundation in the theories and ideologies that provide the motivation and reasoning for much political activity. In addition, a civics in action component of the program enables students to investigate how contemporary American political institutions grapple with competing interests, values and civic ideas.

**Program Requirements:**
The certificate in civic education is comprised of 15 credit hours in political science. At least 12 credit hours must be upper division. A minimum of six upper-division credit hours must be taken in courses offered by The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Theoretical Foundations -- 6 credit hours
POS 210: Political Ideologies (SB) (3)
POS 442: American Political Thought (HU) (3)

Topics in Political Theory (choose one course) -- 3 credit hours
POS 340: History of Political Philosophy I (HU & H) (3)
POS 341: History of Political Philosophy II (HU & H) (3)
POS 346: Problems of Democracy (HU) (3)
POS 443: Topics in Contemporary Political Theory (HU) (3)
POS 475: Morality and Politics (3)

Civics in Action (choose two courses) -- 6 credit hours
POS 313: The Congress (SB) (3)
POS 314: The American Presidency (SB) (3)
POS 315: The Supreme Court (SB) (3)
POS 325: Public Policy Development (SB) (3)
POS 332: American Political Parties (SB) (3)
POS 333: Interest Groups (SB) (3)
POS 348: Do You Want to Build a Nation? (L) (3)
POS 370: Law and Society (SB) (3)
POS 410: Governing American Cities (SB) (3)
POS 417: Arizona Politics (SB) (3)
POS 435: Women and Politics (SB & C) (3)
POS 439: Minority Group Politics in America (SB & C) (3)
POS 470: Law and the Political Order (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in civic education with their major program of study may become more marketable to employers. They often decide to pursue employment in K-12 teaching (especially social studies), journalism, government or nonprofit organizations.

The civic education certificate program helps prepare undergraduate students for careers in primary and secondary education in which the teaching of government and civics may be involved. The program is also preparation for careers or participation in politics, public service, civic and social movements and for further education in law, journalism, business, history, sociology, political science, public administration, social work and other fields in which an understanding of questions of citizenship, leadership, community, democracy, public responsibility and ethics is crucial.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/
COOR 6797
spgs-ugadvising@asu.edu
480-965-8563

## Civil Communication Certificate (LACCOMCERT)

**Campus:** Tempe

**Description:** The Hugh Downs School of Human Communication certificate program in civil communication provides students specific training in dialogue-based methods of civility, the application of critical civil communication skills in public spheres, and civil and productive modes of argumentation.

This specialization provides students with the ability to recognize and competently practice and facilitate the ever-increasing demand for civil discourse in society and workplace organizations. The foundational courses offer the opportunity for transdisciplinary collaboration and community engagement.

**Program Requirements:**
The certificate requires 18 credit hours. Nine of the 18 credit hours must be ASU resident-credit courses, including six upper-division credit hours offered by The College of Liberal Arts and Sciences. Twelve credit hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours
COM 222: Argumentation (L) (3)
COM 225: Public Speaking (L) (3)
COM 327: Civil Communication (3)

Electives (select three) -- 9 credit hours
COM 312: Communication, Conflict, and Negotiation (3)
COM 319: Persuasion and Social Influence (SB) (3)
COM 321: Rhetorical Theory and Research ((L or HU) & H) (3)
COM 325: Advanced Public Speaking and Presentations (L) (3)
COM 341: Social Contexts for Performance (3)
COM 421: Rhetoric of Social Issues (HU) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in civil communication with their major program of study may be more marketable to employers. They often decide to pursue employment in social services, public policy or workplace organization.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Hugh Downs School of Human Communication
https://humancommunication.asu.edu/
STAUF A412
communication@asu.edu
480-965-5095

## Classical Studies Certificate (LACLGCERT)

**Campus:** Tempe
Effective Spring 2024, ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Description:** The classical studies program offers students a wide variety of opportunities to study the language, literature and culture of the ancient Greeks and Romans. It is ideal for those students interested in pursuing a classical education in conjunction with another major or as part of their general studies.

This program is offered by The School of International Letters and Cultures.

**Program Requirements:**
The certificate in classical studies requires a minimum of 18 credit hours. At least 12 credit hours must be at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Language Requirement -- 6 credit hours
Students must complete two semesters of language courses in either Ancient Greek or Latin. (6-8)
Credit hours taken for the language requirement that exceed the required eight credit hours will be applied to ASU's 120 credit hour minimum. ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.

Ancient Greek
Students who choose Greek must take a minimum of two semesters of language courses from the following list. The ASU Language Placement test determines what class students start with.
GRK 101: Elementary Ancient Greek (G) (4)
GRK 201: Intermediate Ancient Greek (G) (4)
GRK 301: Ancient Greek Literature I (HU & G) (3)
GRK 302: Ancient Greek Literature II (HU & G) (3)
Notes: GRK 302 can be taken twice if needed to reach two semesters of credit. It may also be repeated to count toward the Classical Studies Electives Requirement.

Latin
Students who choose Latin must take a minimum of two semesters of language courses from the following list. The ASU Language Placement test determines what class students start with.
LAT 101: Elementary Latin (G) (4)
LAT 102: Elementary Latin (G) (4)
LAT 201: Intermediate Latin I (HU & G) (4)
LAT 202: Intermediate Latin II (HU & G) (4)
LAT 421: Roman Literature (HU & G) (3)
Notes: LAT 421 can be taken twice if needed to reach two semesters of credit. It may also be repeated to count toward the Classical Studies Electives Requirement.

Classical Studies Electives (choose four) -- 12 credit hours
SLC 344 / LAT 344 / GRK 344: Classics and Comics (HU) (3)
SLC 351 / GRK 351: Tales of Troy (HU & H) (3)
SLC 352 / GRK 352: The Rise and Fall of Ancient Athens (HU & H) (3)
SLC 353 / GRK 353: Alexander and His Empires (HU & H) (3)
SLC 356 / LAT 356: Rome from Village to Empire (3)
SLC 357 / LAT 357: Rome's First Emperor (HU & H) (3)
SLC 360 / LAT 360 / GRK 360 / HST 397: Greece and Rome at War (3)
SLC 361 / LAT 361 / REL 361: Roman Religion (HU) (3)
SLC 362 / GRK 362 / REL 360: Ancient Greek Religion (HU) (3)
SLC 363 / LAT 363 / GRK 363: Ancient Magic and Witchcraft (3)
SLC 444 / LAT 444 / GRK 444: Heroes, Ancient and Modern (L or HU) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in classical studies with their major program of study may become more marketable to employers. They often decide to pursue employment in education, arts and humanities, tourism and hospitality or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-classical-studies-greek-cert
DH 131
silcadvising@asu.edu
480-965-6281

## Communication Sciences and Disorders Certificate (NHCSDCERT)

**Campus:** Tempe

**Description:** The postbaccalaureate certificate in communication sciences and disorders is for students who have already received a bachelor's degree in another discipline but wish to pursue a master's degree in speech-language pathology or communication disorders.

The coursework provides students with the prerequisite background and knowledge necessary to perform at the master's degree level in the field.

In most cases, students will be able to complete the certificate within one calendar year.

Completion of the postbaccalaureate certificate does not guarantee admission to ASU's graduate program, but it enables students to meet the requirements of the American Speech-Language-Hearing Association to enter master's degree programs in speech-language pathology or communication disorders.

**Program Requirements:**
The certificate requires 27 credit hours. A "C" minimum is required for all courses in the certificate, although students must maintain a 3.00 GPA in the certificate program.

Required Courses -- 27 credit hours
SHS 250: Introduction to Phonetics (3)
SHS 310: Anatomical and Physiological Bases of Speech (3)
SHS 311: Hearing Science (3)
SHS 367: Language Science (SB) (3)
SHS 375: Speech Science (3)
SHS 401: Principles of Audiology (3)
SHS 402: Clinical Methods and Treatment of Communication Disorders (3)
SHS 496: Aural Rehabilitation (3)
SHS 565: Speech and Language Acquisition (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Prospective students must have earned a bachelor's degree in a field outside of speech and hearing science with a minimum GPA of 3.00 (scale is 4.00 = "A").

Students interested in this certificate must apply for university admission as nondegree-seeking graduate students and submit a supplemental application document (https://chs.asu.edu/csd-application) to the program.

**Career Opportunities:** This certificate program provides post-baccalaureate students with the academic preparation they need in order to apply to graduate programs in communication sciences and disorders. The program is also preparation for those who wish to transition into the speech-language pathology assistant certificate with the eventual goal of becoming a speech-language pathology assistant.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/NHCSDCERT/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
480-965-2374

## Communication Training and Assessment Certificate (ASCTACERT)

**Campus:** West

**Description:** The certificate program in communication training and assessment prepares students to assess communication skills in business, professional and community settings and to develop training efforts that help others improve their communication skills.

Access to the award-winning, state-of-the-art CommLab at ASU's West campus facilitates skill development in communication training, presentation skills, professional development and assessment practices.

The combination of relevant coursework and hands-on experience developed through CommLabASU provides students with the knowledge and expertise necessary to train others in a variety of professional and community settings.

**Program Requirements:**
The certificate in communication training and assessment requires 18 credit hours (at least 12 credit hours must be upper division). The certificate consists of 12 credit hours of core requirements and six credit hours of electives. At least nine credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and a major. Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

Core Requirements -- 12 credit hours
COM 225: Public Speaking (L) or COM 325: Advanced Public Speaking and Presentations (L) or COM 342: Oral History and Storytelling (3)
COM 383: Communication and Mentoring or COM 483: Advanced Communication and Mentoring (3)
COM 453: Communication Training and Development (3)
COM 482: Communication, Instruction and Training (3)

Electives -- 6 credit hours
COM 230: Small Group Communication (SB) (3)
COM 259: Communication in Business and the Professions (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 319: Persuasion and Social Influence (SB) (3)
COM 353: Professional Communication (3)
COM 415: Risk Communication (3)
COM 430: Leadership in Group Communication (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The certificate in communication training and assessment provides a solid background for government, private and nonprofit organization positions such as:

- advertising and promotions managers
- human relations managers
- marketing associates
- marketing managers
- mediators
- public relations specialists
- public relations and fundraising managers
- sales managers
- training and development managers

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASCTACERT/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Community-Engaged Practices in Design and the Arts Certificate (HISEPCERT)

**Campus:** Tempe

**Description:** This hands-on program places designers, artists, scholars and educators in public life and enables them to use their creative capacities to advance culture, strengthen democracy and imaginatively address today's most pressing challenges.

This is an integrated community-engaged design and arts certificate program serving all Herberger Institute students as well as the larger ASU community. Participants engage in direct and ethical partnership and collaboration with communities and with civic and industry partners, enabling them to learn and practice programming that activates partner goals and facilitates experiential learning and creation.

**Program Requirements:**
This certificate requires 15 credit hours; including 12 hours of upper-division coursework. All courses must be completed with a minimum grade of "C" (2.00) or better. An overall 3.00 GPA is required for this certificate.

Core -- 3 credit hours
HDA 210: Creativity and Innovation in Design and the Arts (3)

Community Engagement -- 3 credit hours
ARS 441: Public Art (3)
ART 442: Art and Community (3)

DCE 494 / HDA 494 / THP 494: The Atlas of Creative Tools (3)
DSC 494: Indigenous Architecture, Planning and Construction (3)
DSC 494: Indigenous Project Delivery (3)
EDS 301: Sustainable Community Design and Practices (HU) (3)
HDA 310: Socially Engaged Practice (3)
HDA 394: Design & Arts Corps (1-3)
HDA 394: Disrupt, Create, Sustain (3)
HDA 494: Civic Body: Art and Public Health (3)
HDA 494: Civ Prac: Artists&Designers Collaborating/Comm (3)
HDA 494: Civic Practice:Arts/Design & Public Partnerships (3)
HDA 494: Creative Facilitation: Collaboration, Imagination (3)
HDA 494: Creative Project Management (3)
HDA 494: Design & Arts Corps (1-3)
HUL 494: Special Topics (3)
Notes: Any topic offered though ASU's Humanities Lab (https://humanities.lab.asu.edu/)
NLM 410: Social Entrepreneurship (3)
THP 482: Theatre for Social Change (C) (3)

Fieldwork / Internship -- 3 credit hours
HDA 410: Design and the Arts Corps Seminar (3)
Notes: HDA 410 may be satisfied with other Capstone or Internship Experiences as approved by the program faculty coordinator.

Electives -- 6 credit hours
AME 310: Media Literacies and Composition (3)
AME 340: Compositional and Computational Principles for Media Arts (3)
AME 411: Advanced Interactive Sound (3)
AME 444: Media Installations (3)
AME 494: Animating Virtual Worlds (3)
ARS 441: Public Art (3)
ART 439: Studio Inquiry: Practice and Cultural Context (3)
ART 442: Art and Community (3)
ART 443: Performance Art: Actions, Gestures, Journeys (3)
DCE 303: The Body Condition(ed) (SB) (3)
DCE 333: Hip Hop III (3)
DCE 360: Creative Practices V (3)
DCE 404: Dance and Ethics (L) (3)
DCE 405: Writing the Creating Body (L or HU) (3)
MDC 311: Composing and Performing for Hybrid Ensembles (3)
MHL 342: Music History II (HU) (3)
MHL 344: Music in World Cultures (HU & G) (3)
MUP 489: Gamelan (3)
MUP 489: Latin Marimba (3)
MUS 362: Rap Music and Hip Hop Culture (HU & C) (3)
NLM 410: Social Entrepreneurship (3)
NLM 430: Managing Nonprofit Organizations (L) (3)
NLM 451: Grant Writing (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 420: Managing Across Boundaries (3)
TDM 448: Heritage and Cultural Tourism (3)
THP 451: Student Production Board II (3)
THP 482: Theatre for Social Change (C) (3)
THP 483: Acting: Viewpoints and Composition (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A minimum GPA of 3.00 is required to complete the certificate. The certificate is administered through the Office of Student Success in the Herberger Institute of Design and the Arts and through the Design and Arts Corps, and it is open to all undergraduate students admitted to ASU.

Students enrolled in the BA in the arts program in the institute must complete three additional credit hours of coursework unique to the certificate program that does not also count toward their major; this is due to the overlapping requirements of HDA 210 and HDA 310.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This certificate program allows students to develop unique pathways that also earn micro-credentials across a broad range of competencies including ethical communication, group facilitation, project structuring and evaluation, project management, ethics and asset-based community cultural development. These competencies prepare graduates for excellence in a range of occupations.

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/national-collaborative/design-and-arts-corps?dept=1400&id=2
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Computational Life Sciences Certificate (LACLSICERT)

**Campus:** Tempe, Online

**Description:** The computational life sciences certificate program introduces students to a burgeoning new field. Huge leaps in processing technologies have thrown open the doors for new research techniques and exciting opportunities for interdisciplinary collaborations.

Students are introduced to a suite of tools and approaches that enable them to uncover correlations, glean new understanding and help solve scientific problems.

Students examine many different types of data generated from a wide range of fields, including ecology, botany, evolutionary biology, neuroscience, molecular and cellular biology, and animal behavior. Students investigate topics such as DNA, RNA, protein, imaging, conservation and even historical data from long-term ecological research sites.

Finally, students also explore the ethical implications of collecting, analyzing and sharing the results of computational life sciences data.

**Program Requirements:**
The certificate in computational life sciences requires a minimum of 15 credit hours, of which at least 12 credit hours must be upper division. The core consists of one computing course and one ethics course. A minimum of nine credit hours in elective courses complete the certificate. The computing course not used toward the core requirements may be used toward the elective credit hours. A grade of "C" (2.00 on a 4.00 scale) or higher is required for all courses used toward the certificate.

Required Courses -- 6 credit hours
BIO 312 / PHI 320: Bioethics (HU) or BIO 316 / HPS 330: History of Biology: Conflicts and Controversies (H) or BIO 317 / HPS 323: History of Science II (HU & H) or BIO 318 / HPS 331: History of Medicine (HU & H) or BIO 416 / HPS 410: Biomedical Research Ethics (L) (3)
BIO 439: Computing for Research or BIO 440 / MBB 440: Functional Genomics (3)

Electives -- 9 credit hours
BIO 355 / MAT 355 / MBB 355: Introduction to Computational Molecular Biology (CS) (3)
BIO 411: Quantitative Methods in Conservation and Ecology (4)
BIO 415: Statistical Models for Biology (CS) (4)
BIO 439: Computing for Research (3)
BIO 440 / MBB 440: Functional Genomics (3)
BIO 494: Data Analysis in Neuroscience (3)
BIO 494: Data Analysis and Visualization in R (3)
BIO 494: Computational Genomic Analysis (3)
BIO 498: Programming for biologists (3)
BME 494: Systems Biology of Disease (3)
BMI 311: Modeling Biomedical Knowledge (3)
BMI 312: Modeling Biomedical Data (3)
BMI 330: Topics in Translational Bioinformatics (3)
DAT 301: Exploring Data in R and Python (4)
GIS 469 / SOC 469: Multivariate Statistics for Social Sciences (3)
GIS 471: Spatial Statistics for Geography and Planning (3)
MAT 353: Mathematics and Cancer (3)
MAT 451: Mathematical Modeling (CS) (3)
If not used as the required computing course, students may include BIO 439 or BIO 440 as a certificate elective.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** In the life sciences, employers need scientists who are skilled in understanding and interpreting data, and those who have experience using new computational approaches and computer programs are in particular demand.

Graduates who have combined the certificate in computational life sciences with their major program of study often decide to pursue employment in ecology, medicine, botany, evolutionary biology, neuroscience, molecular and cellular biology, or animal behavior, and they work to identify and interpret data in the respective field.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degrees/minorscertificates
LSA 189
SOLS.advising@asu.edu
480-727-6277

## Computer Gaming Certificate (ESSCICERT)

**Campus:** Tempe

**Description:** The computer gaming certificate program is designed to provide a game development skill set that the student can apply to domain-specific applications in the student's major. The skill set includes architecture of game engines, art design and computer graphics for gaming, and game software development.

In this certificate program, students learn to apply gaming technology to the rapidly growing video game industry and to business, medicine, geography, biotechnology and education. Examples of projects include:

- building a game that teaches linear algebra by incorporating trigonometric rules into the game design
- creating a game that teaches correct sentence construction to beginning learners of English
- creating a game to help patients with physical therapy
- creating an interactive virtual world for corporate training
- designing a game platform incorporating geographic information systems
- inventing a surgical simulation to educate medical students

**Program Requirements:**
Students will complete nine credit hours of core courses (including a final capstone project) and nine credit hours of elective courses. The certificate requires 12 credit hours of upper-division coursework. All courses must be passed with a "C" or better. Students need to allow at least three years to complete the certificate program due to the prerequisite structure.

Core Courses -- 9 credit hours
CPI 111: Game Development I (CS) (3)
CPI 211: Game Development II (3)
CPI 441: Gaming Capstone (3)
Notes: CPI 441 is only offered in Spring semesters

Electives -- 9 credit hours
CPI 311: Game Engine Development (3)
Notes: CPI 311 is only offered in Fall semesters
CPI 321: Fundamentals of Game Art (3)
Notes: CPI 321 is only offered in Spring semesters
CPI 394: Game Design Fundamentals (3)
CPI 411: Graphics for Games (3)
Notes: CPI 411 is only offered in Spring semesters

CPI 421: 3-D Modeling and Texturing (3)
Notes:  CPI 421 is only offered in Fall semesters
CPI 462: Design for Learning in Virtual Worlds (3)
Notes:  CPI 462 is offered infrequently
CPI 484: Internship (3)
FMS 365: Video Games and Narrative (3)
SER 431: Advanced Graphics (3)
Notes:  SER 431 is offered infrequently

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The computer gaming certificate is open to any student admitted to an undergraduate degree program at ASU who is in good academic standing. This certificate can also be used by interdisciplinary studies BA students as part of their degree program.

All students are eligible to take CPI courses alongside their major, but they must follow the course prerequisite structure. Students must also note that some courses are offered only in fall or in spring and, as a result, the courses may take two years to complete.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrate the ability to apply game development techniques in solving real-world problems in different application domains.
- •Demonstrate the ability to create a portfolio of hands-on games and prototypes using state-of-the-art technology.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. Those who have added this computer gaming specialization as a complement to their major program of study may be more marketable to employers in the gaming industry.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computing and Informatics Program
https://scai.engineering.asu.edu/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Convention Sales and Meeting Planning Certificate (PPTDMCERT)

**Campus:** Downtown Phoenix

**Description:** The certificate program in convention sales and meeting planning provides students a solid foundation in convention sales and management and incorporates the scope of convention properties, budgeting, contracting and risk management. Students can explore this exciting growth industry, learn marketing and sales strategies to attract convention and meeting markets, and learn the techniques required for meeting the needs of meeting and convention services.

The U.S. meetings, conventions and exhibitions industry generates more than $120 billion a year, supporting nearly two million jobs.

Phoenix alone is a major convention and meeting destination. There is a need for qualified professionals to service conventions and meetings, due in large part to the $600 million investment in the Phoenix Convention Center expansion, development of new hotels and other visitor-related products, and the steady influx of corporate headquarters relocating to the greater Phoenix area.

The certificate, which has been endorsed by the Greater Phoenix Convention and Visitors Bureau and the Arizona Sunbelt Chapter of Meeting Professionals International, enhances a graduate's career opportunities as a tourism professional.

**Program Requirements:**
The certificate requires 15 credit hours: three required core courses (nine credits) and two elective courses (six credits). Courses taken as part of a university major may count toward that degree and the certificate. Requirements can be met online. All core classes and some elective classes are taught online at least once a year. To earn the certificate, students must complete a minimum of 12 upper-division credit hours. An application to the program is required.

Required Core Courses -- 9 credit hours
TDM 345: Meeting and Convention Planning (3)
TDM 350: Tourism, Recreation and Sports Marketing (3)
TDM 386: Convention Sales and Management (3)

Electives (choose two, one must be upper division) -- 6 credit hours
NLM 310: Volunteer Management (3)
PRM 145: Special Events Management (3)
TDM 205: Introduction to Travel and Tourism (G) (3)
TDM 225: Introduction to Resort and Hotel Management (3)
TDM 458: International Tourism (G) (3)

Standards
1. Fifteen credit hours of graded classroom coursework are required (no internship, no independent study).
2. A minimum "C" (2.00 on a 4.00 scale) grade is required for all classes in the certificate.
3. A minimum GPA of 2.00 is required for those pursuing the certificate.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Other Enrollment Requirements: None

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The field of convention sales and meeting planning comprises a multitude of areas, including fundraising, recruitment, coordination, supervision and a variety of management responsibilities. The demand for professionals is strong, and this program provides an excellent foundation for enhancing career opportunities nationally, regionally and locally.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Correctional Studies Certificate (PPCRTSCERT)

**Campus:** Downtown Phoenix

**Description:** The certificate program in correctional studies educates students about a variety of components that make up the corrections system.

It is designed to provide students with understanding and knowledge of the histories, philosophies and contemporary practices of both institutional and community corrections. The program emphasizes evidence-based best practices concerning the rehabilitation of correctional clients to reduce recidivism.

**Program Requirements:**
Required Courses -- 15 credit hours
CRJ 100: Introduction to Criminal Justice (SB) (3)
CRJ 240: Introduction to Corrections (3)
CRJ 443: Community Corrections (3)
CRJ 444: Institutional Corrections (3)
CRJ 445: Tools for Engaging Correctional Populations (3)

Electives (choose one) -- 3 credit hours
CRJ 317: Inside-Out Prison Exchange Program (3)
CRJ 394: Special Topics (3)
Notes: Only approved corrections-related topics
CRJ 406: Sex Crimes (3)
CRJ 411: Legal Issues in Corrections (3)
CRJ 434: Drugs of Abuse (3)
CRJ 435: Crime and Forensic Mental Health (SB) (3)

CRJ 484: Internship (3)
CRJ 494: Special Topics (3)
Notes: Only approved corrections-related topics

Special Topics courses (CRJ 394 and CRJ 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the correctional studies certificate program.

At least 15 credit hours must be taken in residence at ASU.
Lower-division courses such as CRJ 100 (Introduction to Criminal Justice) and CRJ 240 (Introduction to Corrections) may be used to satisfy the requirements of any major or a minor at ASU, as well as requirements for the certificate program in correctional studies. No upper-division courses in criminology and criminal justice, however, may be used to satisfy the requirements of the certificate program in correctional studies and either the major or minor in criminology and criminal justice. For example, students majoring or minoring in criminology and criminal justice may not use CRJ 394, CRJ 406, CRJ 411, CRJ 434, CRJ 435, CRJ 443, CRJ 444, CRJ 445, CRJ 484, or CRJ 494 to satisfy the requirements of the certificate in correctional studies and either the major or minor in criminology and criminal justice.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** CRJ 100 Introduction to Criminal Justice is a requirement for the bachelor's degree program and the minor in criminology and criminal justice, and its completion satisfies the requirements of the major or minor as well as satisfying the requirement for the certificate program in correctional studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates of the correctional studies certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies, including National Institute of Corrections, Federal Bureau of Prisons, and local and state-level corrections departments.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
SCCJAdvising@asu.edu
602-496-1658

## Creative City Certificate (PPURBCERC)

**Campus:** Downtown Phoenix

**Description:** Students in this program explore best practices in a global context and develop asset-based proposals for specific locales, including implementation plans.

The creative city certificate adds value to other majors as well as work and life experience for students aspiring to assume leadership roles in improving quality of life, specifically by enhancing quality of place.

Cities are centers of human creativity and cultural innovation; they both attract and breed these qualities of urban areas. Such creativity and innovation are apparent in the vitality of the arts as well as that of businesses (large and small), research (basic and applied) and the everyday life unique to any given locale. These are the ingredients that make places sustainable, economically, socially and environmentally, by endowing a sense of place along with a sense of community.

This certificate also serves professionals in the community working in the areas of community development, land-use law, parks and recreation, philanthropy, planning, public art, urban governance and others.

Flexible class times and locations make the program a viable option for those unable to attend classes during the day.

**Program Requirements:**
The creative city certificate consists of 15 credit hours of coursework. All courses must be taken at ASU. A "C" (2.00 on a 4.00 scale) or better is required in all coursework.

Required Core Courses -- 6 credit hours

PAF 405: Citizen Engagement and Community Building (3)
PAF 406: Public Administration and Community Development (3)

Elective Courses -- 9 credit hours
CRD 301: Sustainable Communities (3)
CRD 302: Inclusive Community Development (SB & C) (3)
GRA 401: Creative Environment (3)
NLM 160: Voluntary Action and Community Leadership (SB) (3)
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 300: Fund Raising and Resource Development (3)
NLM 402: Assessment and Evaluation of Community Services (3)
PAF 220: Introduction to Urban America (3)
PAF 420: Managing Across Boundaries (3)
PRM 120: Leisure and the Quality of Life (SB) (3)
PRM 210: Leisure Delivery Systems (3)
TDM 448: Heritage and Cultural Tourism (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Demonstrate knowledge of citizen involvement.
- Demonstrate the ways community development is practiced.

**Career Opportunities:** Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies, nonprofit organizations, and private organizations whose work interfaces with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Criminal Investigations Certificate (PPCRICERT)

**Campus:** Downtown Phoenix, West

**Description:** The certificate in criminal investigations educates students about a variety of aspects of criminal investigations and criminalistics. It is designed to provide students of the social sciences, natural sciences, humanities and public services with an understanding of the nature of criminal evidence; the language of forensic science; the scope, probative value and limitations of a variety of investigative specializations and their techniques; and an appreciation of how forensic investigative methods are used in the quest for justice.

The certificate program allows students to satisfy at least two of their General Studies requirements, the SQ and SB, in a thematic manner.

This program is not designed to prepare students for work in a crime laboratory.

**Program Requirements:**
Required Courses -- 12 credit hours
CRJ 100: Introduction to Criminal Justice (SB) (3)
CRJ 210: Introduction to Criminal Investigations (3)
CRJ 211: Documenting the Crime Scene (3)
CRJ 410: Criminal Procedure I: The Law of Investigations (3)

Electives (choose three) -- 9 credit hours

CRJ 321: Evidence: Imperatives of Proof (3)
CRJ 433: Death Investigations: Principles of Forensic Medicine (3)
CRJ 434: Drugs of Abuse (3)
CRJ 435: Crime and Forensic Mental Health (SB) (3)
CRJ 450: Crime Analysis (3)
CRJ 484: Internship (1-6)
CRJ 494: Special Topics (3)
Notes: only in approved investigations-related topics
FOR 350: Computer Forensics (3)
FOR 394: Special Topics (3)
Notes: only in approved investigations-related topics
FOR 410: Testimony and Ethics in the Forensic Sciences (L) (3)
FOR 484: Internship (1-6)

1. Special Topics courses (FOR 394 and CRJ 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the criminal investigations certificate program.
2. At least 12 credit hours must be taken in residence at ASU.
3. A "C" (2.00 on a 4.00 scale) or better is required in all course work required for the certificate.
4. Upper-division coursework may not be used to satisfy the requirements of both a major and the certificate. Thus, if any elective courses in the certificate program are being used to satisfy the requirements of a major, different elective courses must be taken to satisfy the requirements of the certificate program. For example, students majoring in criminology and criminal justice may not use CRJ 321, CRJ 410, CRJ 433, CRJ 434, CRJ 435, CRJ 450, CRJ 484 or CRJ 494 to satisfy the requirements of the major and the certificate in criminal investigations. Similarly, students majoring in forensic science may not use FOR 350, FOR 410 or FOR 484 to satisfy the requirements of the major and the certificate in criminal investigations.
Prerequisite Information
Prerequisite courses may be needed in order to complete the requirements of this certificate.
CRJ 100 Introduction to Criminal Justice is a prerequisite requirement to enroll in CRJ 210, CRJ 211, CRJ 433, CRJ 434, CRJ 435, and CRJ 494.
ACO 100 All About Data: Design, Query, and Visualization is a prerequisite requirement to enroll in FOR 350 Computer Forensics.
Either FOR 286 Principles of Forensic Science or the two semester sequence in FOR 105 and FOR 106 is a prerequisite requirement to enroll in FOR 410 Professional Practices in Forensic Science. ENG 102 or 105 or 108 are also prerequisites for FOR 410.
The completion of at least 45 credit hours is a prerequisite requirement to enroll in FOR 484 Internship.

**Enrollment Requirements:** Students must complete the following prerequisite courses with a grade of "C" of higher (scale is 4.00 = "A") in order to be admitted to the certificate program. These courses may be taken in residence at ASU or may be transferred in from other institutions, including community colleges.

The following prerequisite courses are required for admission to the certificate program:

For students majoring in the social sciences, humanities or the arts:*
FOR 105 Physical Evidence and the Crime Scene, SQ (4) and
FOR 106 Biology Behind the Crime Scene, SQ (4)

For students majoring in the natural sciences:*
FOR 286 Principles of Forensic Science (4)

*Neither FOR 105 nor FOR 106 have any prerequisites. These courses are designed for students majoring in the social sciences, humanities or arts to meet the natural science requirement of ASU's General Studies program. Thus, students not majoring in the natural sciences who wish to declare the certificate program in criminal investigations must complete the two-course sequence in FOR 105 and FOR 106. In contrast, students majoring in the natural sciences, including forensic science, should not take FOR 105 and FOR 106; they need only complete FOR 286: Principles of Forensic Science, which has prerequisite requirements of BIO 181, BIO 182, CHM 113 and CHM 116.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates of the criminal investigations certificate program find a strong job market in the public and private sectors. Employment opportunities exist in:

- bank fraud
- the courts
- domestic terrorism

- federal agencies
- forensics
- homeland security
- law enforcement
- legal offices

Graduates also may pursue advanced degrees in law, criminology and criminal justice, and other social science disciplines. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
SCCJAdvising@asu.edu
602-496-1658

## Cross-Sector Leadership Certificate (PPCSLDCERT)

**Campus:** Downtown Phoenix

**Description:** The certificate program in cross-sector leadership provides a comprehensive overview of leading solutions to complex social challenges by integrating the public, private, nonprofit and military sectors.

Students engage in a systems-thinking approach to real-world challenges faced by local and global communities, explore the diverse characteristics and motives of each sector in engaging in cross-sector collaborations, and master processes to formalize such partnerships. Students study values-based leadership and how individual, organizational and sector values can drive a leader's ability to act. Students gain leadership skills, such as leading change within and between organizations across multiple sectors, and they learn to use human-centered design, social entrepreneurship and other approaches when tackling community challenges.

Students end the program with a thesis or applied project that integrates the theories, procedures and concepts learned in the certificate courses with experiences from the students' internships in each sector.

**Program Requirements:**
The certificate in cross-sector leadership is a requirement for, and is limited to, participants in the Public Service Academy's Next Generation Service Corps, a four-year leadership development track that engages future civilian leaders in the public, private and nonprofit sectors to engage in collaboration and change in the context of social challenges in which they hold interest. Students are required to maintain a 3.00 ASU GPA, a 3.00 GPA across certificate courses and demonstrate forward academic progress to maintain enrollment in the certificate as well as the Next Generation Service Corps. ROTC students also may pursue the certificate, but must maintain a 3.00 GPA in certificate courses.

Required Courses -- 12 credit hours
PAF 215: NGSC Community Impact Lab (3)
PAF 311: Leadership and Change (SB) (3)
PAF 315: Cross-Sector Collaboration (3)
PAF 415: Social Entrepreneurship (3)

Elective (choose one) -- 3 credit hours
PAF 394: NGSC Leadership Instruction (3)
PAF 421: Leadership Capstone (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Enrollment in the certificate program in cross-sector leadership is offered only to students participating in ASU's Next Generation Service Corps or in the Reserve Officers Training Corps. Enrollment requirements for the certificate are the same as admission requirements for the Next Generation Service Corps or Reserve Officer Training Corps (by request). Public Service Academy staff and the Watts College of Public Service and Community Solutions Dean's Office enroll the students.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Identify and design cross-sector collaborations by understanding the nuances of the public, private, and nonprofit sectors.
•Compare innovative methods for finding solutions to address complex social issues, including social entrepreneurship and problem-solving processes of human-centered design.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate.

Graduates of the certificate in cross-sector leadership have acquired a unique knowledge of cross-sector collaboration, advanced leadership skills, and an understanding of how to use these, and this complement to their major program of study may make them more marketable to employers.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://psa.asu.edu
UCENT 422E
psa@asu.edu
602-496-0201

## Cryptology Certificate (LACRYCERT)

**Campus:** Tempe

**Description:** Cryptology is the art and science of making and breaking codes and ciphers. The certificate program in cryptology is designed to provide a strong foundation in the mathematical topics that are most applicable to modern cryptosystems. It also provides specialized knowledge required for understanding and working in the field of mathematical cryptology.

**Program Requirements:**
This certificate requires 18 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses.

Required Courses -- 12 credit hours
MAT 440: Group Theory or MAT 444: Intermediate Abstract Algebra (3)
MAT 445: Theory of Numbers (3)
MAT 447: Cryptography I (3)
MAT 448: Cryptography II (3)

Electives (select two) -- 6 credit hours
MAT 415: Introduction to Combinatorics (3)
MAT 416: Graph Theory (3)
MAT 441: Ring Theory (3)
STP 421: Probability (3)
STP 427: Mathematical Statistics (3)
Students may substitute an approved cryptography-related internship for 3 credit hours of elective coursework.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This program has additional admission requirements; students should see a college advisor for details. Applicants should be in good academic standing with a "B" or better (scale is 4.00 = "A") in MAT 300 Mathematical Structures or the equivalent.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** A certificate in cryptology offers a wide variety of career possibilities. Some students pursuing this certificate are interested in areas such government, business, financial, medical and educational institutions. All of these institutions require skill sets involved in securing data, and this program assists students in developing these skills.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## Data Science Certificate (ASDTSCERT)

**Campus:** West

**Description:** The data science certificate program combines the strengths of database skills with interdisciplinary computational statistics.

The program provides students with an understanding of the computational and statistical methods used to extract insights from complex datasets and provides hands-on experience with them. In particular, it includes courses that cover key techniques for the different stages of the data science process: data collection, data processing for small and big data, data cleaning, exploratory data analysis, data visualization, predictive modeling with machine learning techniques and statistical modeling.

**Program Requirements:**
The certificate in data science consists of 15 upper-division credit hours. A minimum of six upper-division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. A maximum of six credit hours may be shared between certificate and major coursework. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Required Courses -- 9 credit hours
ACO 320: Database Systems (3)
ACO 423: Data Science (3)
STP 315: Statistical Computing (3)

Electives (choose two) -- 6 credit hours
ACO 321: Database Development & Applications (3)
ACO 420: Big Data Systems (3)
BMI 311: Modeling Biomedical Knowledge (3)
BMI 312: Modeling Biomedical Data (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Prerequisites for this certificate are:

ACO 201 Data Structures and Algorithms (3)
MAT 243 Discrete Mathematical Structures (3) or MAT 300 Mathematical Structures (3)
STP 226 Elements of Statistics (3)

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** A certificate in data science helps prepare students who have an interest in databases and statistics. Possible careers include data scientist, machine learning scientist or engineer, applications architect, data architect and data engineer.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASDTSCERT/undergrad/true/177
FAB N101
mnsadvising@asu.edu
602-543-3000

## Desert Food Production Certificate (LSDFPRCERT)

**Campus:** Polytechnic

**Description:** The certificate program in desert food production equips students interested in producing foods locally with the knowledge and skills they need in order to grow edible plants and to navigate the challenges unique to desert climates.

Coursework in the program emphasizes organic food production, sustainable horticultural technologies, green waste reduction, water conservation, maintaining biodiversity and biological cycles, and enhancing soil quality.

Students gain marketable skills that enable them to participate in the growing trend of producing and supporting the consumption of local foods.

**Program Requirements:**
The desert food production certificate requires 18 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 12 credit hours
ABS 260: Fundamentals of Sustainable Horticulture (SG) (4)
ABS 368: Plant Propagation (3)
ABS 460: Organic Gardening (2)
ABS 464: Desert Horticulture (3)

Elective Courses -- 6 credit hours
At least four credit hours of certificate electives must be from upper-division courses.
ABS 225: Soils (SQ) AND ABS 226: Soils Laboratory (SQ) (4)
ABS 360: Southwest Home Gardening (2)
ABS 365: Future of Agriculture: Vertical Farming (3)
ABS 462: Greenhouse/Nursery Management (4)
ABS 484: Internship (2)
Notes:  No more than two credit hours of ABS 484 Internship may be counted toward the certificate requirements.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

This certificate is open to students in any major.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate.

Graduates who combined the certificate in desert food production with their major program of study may be more marketable to employers. Those who complete this undergraduate certificate along with their major often decide to pursue employment in nursery and greenhouse management, food science or farm and ranch management.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Digital Business Innovation Certificate (BADBICERT)

**Campus:** Tempe

**Description:** This certificate program in digital business innovation provides students with a broad overview of today's digital information systems. It gives exposure to modern tools for transforming business processes, maintaining digital presence and developing analytical insights.

Students who complete the program are well suited for the business landscape, phenomenally transformed in recent years by digital innovations.

**Program Requirements:**
The digital business innovation certificate is available to all majors. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better. No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Courses -- 18 credit hours

CIS 105: Computer Applications and Information Technology (CS) (3)
CIS 235: Introduction to Information Systems (3)
CIS 300: Web Design and Development (3)
CIS 308: Advanced Excel in Business (3)
CIS 311: Business Agile Project Management (3)
CIS 312: Business Mobile Commerce and Monetization (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate in digital business innovation is open to all majors.

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in digital innovation with their major program of study may become more marketable to employers. They often decide to pursue employment in management, marketing, sales or communication.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Department of Information Systems
https://wpcarey.asu.edu/information-systems-degrees
BAC 601
wpcareyis@asu.edu
480-965-3252

## Disability Studies Certificate (LADISCERT)

**Campus:** Tempe

**Description:** As a vibrant and diverse area of academic study, disability studies utilizes a cross-disability, intersectional and interdisciplinary approach that views disability as a social construct and people with disabilities as a minority group. The program in disability studies draws upon diverse disciplines such as history, sociology, law, policy studies, economics, anthropology, geography, philosophy, theology, gender studies, media studies, architecture and the arts in order to understand the social, cultural and political situation of disabled cultures, or people with disabilities.

Students are critically challenged to reject simplistic definitions of disability as a restrictive, functional impairment that requires fixing or curing. Rather, students learn to identify disability as a construct that finds its meaning within cultural contexts, is central to individual and social identity, and is crucial to changing political processes and public attitudes.

This program prioritizes development of theoretical, methodological, educational and advocacy models that redefine legal, physical, policy and attitudinal barriers excluding disabled communities from society.

**Program Requirements:**
Students must complete 15 credit hours with at least 12 hours completed at the upper-division level.  A minimum grade of "C" (2.00 on a 4.00 scale) is required for a course to count toward the certificate.

Students should contact the School of Social Transformation advising center for more information.

Required Courses -- 6 credit hours
JUS 235: Disability, Justice and Advocacy (C) (3)
JUS 437: The Social Construction of Disability and Justice (3)

Elective Courses -- 9 credit hours
AFR 317: Genes, Race and Society (SB & H & C) (3)
AFR 375: Race, Gender and Sport (SB & C) (3)
APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)
APA 350: Inequality and Diversity in Education (L & C) (3)
APA 355: Asian American Psychology (SB & C) (3)

CRD 302: Inclusive Community Development (SB & C) (3)
DST 322: Social and Cultural Implications of the Many Forms of Disability (3)
DST 458: Disability and Communication Advocacy (3)
EDS 301: Sustainable Community Design and Practices (HU) (3)
ENG 484: Internship (1-12)
GER 494: Posthumanism and the Ends of Man (3)
JUS 303: Justice Theory (L) (3)
JUS 305: Principles of Justice Studies (SB) (3)
JUS 365: Inequality and Diversity in Education (L & C) (3)
JUS 370: Cultural Diversity and Justice ((L or HU) & C) (3)
JUS 375: Justice and the Mass Media (SB) (3)
JUS 432: Racial Justice (L) (3)
JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)
JUS 440: Prisons, Power and the Punishments of the Past (3)
JUS 469: Political Deviance and the Law ((L or SB) & C) (3)
MHL 447: Music and Healing (HU & H & G) (3)
MUE 441: Psychology of Music (3)
PRM 453: Inclusive Community Sport (3)
RTH 364: Foundations of Recreation Therapy (SB) (3)
RTH 440: Advocacy in Therapeutic Recreation (3)
RTH 450: Therapeutic Recreation and Community Health (3)
RTH 455: Recreational Therapy and Play with Children, Youth and Families (3)
SHS 367: Language Science (SB) (3)
WST 313: Women and Sexuality (SB & C) (3)
WST 371: Sex and the City: Women, Sexuality, and Popular Culture (HU & C) (3)
WST 380: Race, Gender, and Class (SB & C) (3)
WST 477: Gender and Violence (SB & C) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students enrolled in the BA or minor in disability studies offered by the New College of Interdisciplinary Arts and Sciences are not prohibited from adding this certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Employ and critically assess core theories, models and perspectives that have contributed to the development of disability studies.
- •Understand and identify representations of disability as historically specific and culturally contingent.
- •Apply disability studies perspectives in the construction of social policy, engagement, and advocacy.

**Career Opportunities:** Graduates who have combined the certificate in disability studies with their major program of study may become more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Diversity and Equity Studies Certificate (ASDESCERT)

**Campus:** West

**Description:** This certificate program in diversity and equity studies develops students' intercultural competence through knowledge gained related

to the histories, practices and perspectives of diverse groups, both local and global.

Reflecting on this knowledge permits students to develop strategies to work with and through differences of gender, race, ethnicity, sexuality, age, religion and class. Integrative social sciences perspectives enable bridge-building within and across differences to redress inequalities.

**Program Requirements:**
The certificate in diversity and equity studies requires 15 credit hours (at least 12 must be upper division), consisting of a core of three credit hours and 12 credit hours of electives. Six credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and major requirements. A maximum of three credit hours of internship or individualized instruction may be applied to the certificate.
Electives are not limited to the certificate elective list; see academic advisor prior to enrollment. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. Only courses in which a student receives a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet certificate requirements.

Required Core Course -- 3 credit hours
SBS 301: Cultural Diversity ((L or SB) & C) (3)

Electives (minimum 9 upper-division) -- 12 credit hours
Selected courses must come from at least two of the following subjects: ASB, JHR, POS, SBS or SOC.
ASB 211: Women in Other Cultures ((HU or SB) & G) (3)
ASB 311: Principles of Social Anthropology (SB & G & H) (3)
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ASB 340 / SOC 328: Migration and Culture (SB & G) (3)
ASB 346: Marriage and Family Diversity (SB & C) (3)
ASB 394: Special Topics or JHR 394: Special Topics or POS 394 / SBS 394 / SOC 394: Special Topics (1)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)
ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)
ASB 494 / JHR 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)
ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)
JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)
POS 357: South Asia Politics (SB & G) (3)
POS 436: Gender, Sexuality, Nation-States (3)
POS 437 / SOC 437: Women, Power, and Politics (G) (3)
SOC 241: Modern Social Problems (SB) (3)
SOC 264: Sociology of Gender (SB & C) (3)
SOC 270: Sociology of Race and Ethnicity (SB & C) (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 426: Social Inequalities (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students should contact an advisor in the New College of Interdisciplinary Arts and Sciences for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This certificate is valuable to those pursuing careers in:

- business and management
- community advocacy
- government
- human resources
- law
- media
- medicine
- public policy

Possible careers include:

- counselor
- crisis response counselor

- diversity officer
- nonprofit worker
- social worker
- youth counselor

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASDESCERT/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Domestic Violence and Evidence-based Practice Certificate (PPDVEPCERT)

**Campus:** Downtown Phoenix

**Description:** The certificate program in domestic violence and evidence-based practice provides students with the experience and knowledge they need to intervene safely and effectively on behalf of the survivors of gender-based violence, a vulnerable group that helping professionals are likely to encounter in all areas of practice. Those knowledgeable about the dynamics of intimate partner violence are better equipped to assist those suffering its negative physical and mental health consequences.

Evidence-based care is crucial in domestic violence settings. Students of the certificate program engage in service-based and classroom learning to understand the role of evidence-based interventions in promoting survivor safety and client empowerment.

Upon completion of the program, certificate holders become Arizona state-certified advocates for victims of domestic violence.

**Program Requirements:**
During their first semester in the certificate, students enroll in SWU 416, Domestic Violence and National AmeriCorps Service.
A grade of B or better is required in each course to satisfy the certificate.
Students must participate in an approved internship for a minimum of 300 hours.

Required Courses -- 9 credit hours
SWU 416: Domestic Violence and National AmeriCorps Service (3)
SWU 484: Internship or SWU 412: Field Instruction I (3)
Notes:  Other internship credit may be substituted with department approval.
SWU 484: Internship or SWU 414: Field Instruction II (3)
Notes:  Other internship credit may be substituted with department approval.

Electives -- 6 credit hours
SWU 417: Technology, Interpersonal Relationships and Abuse (3)
SWU 418: Global Violence Against Women (3)
SWU 494: Domestic Violence: Fatality Analyses  (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** All students seeking the certificate must have 56 credit hours of coursework completed with a minimum GPA of 2.50. In order to enroll in SWU 416, students must have a current Arizona fingerprint clearance card, which will be verified through the State of Arizona system.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Implement evidence-based interventions, safety planning and the utilize of an evidence-based safety decision aid (myPlan, a tool to enhance risk assessment).
•Apply knowledge of human behavior in the social environment when working with individuals, families and groups.

**Career Opportunities:** Graduates are prepared to work with domestic violence survivors. Prospective administrators, helping professionals and

community activists possess the practical knowledge to implement interventions backed by evidence and develop the tools and networks that create change for survivors, families and communities.

Career examples include:

- domestic violence or lay legal advocate
- domestic violence support group facilitator
- shelter case manager

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/undergraduate-certificates/majorinfo/PPDVEPCERT/undergrad/true/8
UCENT 800
social.work@asu.edu
602-496-0800

## Early Childhood Education Certificate (TEECDCERT)

**Campus:** Tempe

**Description:** The certificate program in early childhood education prepares students to support the cognitive and social-emotional development of young children.

This program allows students to be eligible for dual-teaching certificates upon the completion of an undergraduate degree or to allow students to meet requirements for an Early Childhood endorsement. This certificate can be added to the following degree programs:

- BAE in elementary education
- BAE in elementary multilingual education
- BAE in special education

Students develop skills in understanding and applying evidence-based practices in early childhood education. The innovative coursework is centered on child development theory, development of young children, assessment practices and instructional pedagogy. Students explore techniques and approaches to engage children's family members in the growth and development of young children.

Graduates earn an institutional recommendation for teacher certification in Early Childhood Education, Birth--Age 8 or Grade 3, or an endorsement in Early Childhood Education, Birth--Age 8 or Grade 3, through the Arizona Department of Education. Those desiring to teach in public schools must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

Format option
This program is also offered via ASU Sync (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Program Requirements:**
In addition to completing this certificate and a teacher certification program major, students will be required to earn a passing score on the professional knowledge portion of the AEPA/NES exam and a passing score on the subject knowledge portion of the AEPA/NES exam in each area an Arizona teaching credential is sought. Subject knowledge exam waivers may apply. Students should contact the Mary Lou Fulton Teachers College for more information.
This certificate requires 18 credit hours. A "C" or better is required in all coursework.

Required Courses -- 18 credit hours
ECD 321: Foundations in Language, Literacy and Culture in Early Childhood (L) (3)
ECD 417: Arts Integration for Young Children (3)
ECS 310: Foundations in Typical / Atypical Child Development (3)
ECS 312: Social and Emotional Development of the Young Child (SB) (3)
ECS 411: Instructional Methodologies for Young Children: STEM (3)
ECS 412: Mathematics Curriculum, Instruction and Assessment (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate is only open to students majoring in elementary education, special education, and elementary multilingual education undergraduate teacher preparation programs in the Mary Lou Fulton Teachers College.

Students should have a valid Arizona DPS Identity Verified Print fingerprint clearance card.

A GPA of 2.25 is required for continued good standing. Students should contact the Mary Lou Fulton Teachers College for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a non degree-seeking graduate student but may not be eligible for an institutional recommendation for Arizona teaching licensure without additional preparation beyond the certificate.

**Career Opportunities:** There is a strong demand for early childhood educators in Arizona and nationwide. Many graduates with early childhood education credentials hold leadership positions in Head Start, private nonprofit and private for-profit center-based programs, and public school early childhood environments.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 102
ASUeducation@asu.edu
480-965-9995

## Early Childhood Special Education Certificate (TEECSCERT)

**Campus:** Tempe

**Description:** The certificate in early childhood special education prepares students to work with young children who have a disability or who are at risk of developing one.

Students develop foundational knowledge of child development, including child development theories and best practices, including how to:

- assess, monitor and report the progress of young children
- build effective practices for engaging families
- create enriched, inclusive learning environments
- design coherent instruction
- plan and facilitate learning

Graduates are eligible to earn an institutional recommendation from ASU for Arizona teacher certification in Early Childhood Special Education, birth through grade 3, from the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

Format option
This program is also offered via ASU Sync (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Program Requirements:**
In addition to completing this certificate and a teacher certification program major, students will be required to earn a passing score on the

professional knowledge portion of the AEPA/NES exam and a passing score on the subject knowledge portion of the AEPA/NES exam in each area an Arizona teaching credential is sought. Subject knowledge exam waivers may apply. Students should contact the Mary Lou Fulton Teachers College for more information.
This certificate requires 18 credit hours. A "C" or better is required in all coursework.

Required Courses -- 18 credit hours
ECD 321: Foundations in Language, Literacy and Culture in Early Childhood (L) (3)
ECS 310: Foundations in Typical / Atypical Child Development (3)
ECS 312: Social and Emotional Development of the Young Child (SB) (3)
ECS 411: Instructional Methodologies for Young Children: STEM (3)
ECS 420: Evaluation and Intervention Strategies for Infants, Toddlers and Preschoolers with Disabilities (3)
ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate program can be added to the following programs at Mary Lou Fulton Teachers College in order to allow students eligibility for dual-teaching certificates at the completion of their undergraduate degree:

- BAE in early childhood education
- BAE in elementary education
- BAE in elementary multilingual education
- BAE in special education

Students should have a valid Arizona DPS Identity Verified Print fingerprint clearance card.

A GPA of 2.25 is required for continued good standing. Students should contact the Mary Lou Fulton Teachers College for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a non degree-seeking graduate student but may not be eligible for an institutional recommendation for Arizona teaching licensure without additional preparation beyond the certificate.

**Career Opportunities:** There is a strong demand for both early childhood educators and special educators in Arizona and nationwide. Earning a credential that prepares graduates for both early childhood and special education can open many opportunities. Many graduates with early childhood education credentials hold leadership positions in Head Start, private nonprofit and private for-profit center-based programs, and public school early childhood environments.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 102
ASUeducation@asu.edu
480-965-9995

## Economic Justice Certificate (LAECNJCERT)

**Campus:** Tempe

**Description:** Through the certificate program in economic justice, students gain knowledge of economic justice that promotes the growth of sustainable local, national and global communities.

Students complete coursework in the theories and philosophies of economic justice and economic justice praxis to prepare them for transdisciplinary exploration into areas of personal interest. They develop the capacity to design, control, manage and evaluate initiatives that can economically revitalize communities, and they increase their research abilities.

Students who complete the program are prepared to support and create change by analyzing and developing policies designed to build local skills and lay groundwork for new approaches to economic justice.

**Program Requirements:**
The certificate in economic justice requires 15 credit hours, of which at least 12 must be completed at the upper-division level. All courses must be completed with a grade or "C" (2.00 on a 4.00 scale) or better.

Theories and Foundation in Economic Justice (select one) -- 3 credit hours
ASB 316: Money and Culture (L or SB) (3)
ECN 360: Economic Development (SB & G) (3)
JUS 105: Introduction to Justice Studies (SB) (3)
JUS 305: Principles of Justice Studies (SB) (3)
WST 270: Global Perspectives on Women (3)

Economic Justice Praxis (select one) -- 3 credit hours
JUS 405: Inequality, Economy and Justice ((L or SB) & G) (3)
JUS 484: Internship (3)
JUS 499: Individualized Instruction (3)
SGS 350: Economic Development and Globalization (3)
SWU 432: Social Policy and Services (3)

Interdisciplinary Elective Component (9 hours)
To provide students with an opportunity to focus on a particular racial group, nation, region, or specific historical event while also providing a broad interdisciplinary framework, students will select three electives. Courses must be taken from both of the substantive areas below, and from two or more subject codes. Any course listed below may count towards this requirement, as well as other courses approved by the program director.

Race, Gender, Class, Citizenship and Economic Justice (select two) -- 6 credit hours
AFR 350 / APA 350 / SOC 350 / CDE 350 / JUS 365 / TCL 360: Inequality and Diversity in Education (L & C) (3)
AIS 380: Contemporary Issues of American Indian Nations (C) (3)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)
HST 325: Immigration and Ethnicity in the United States (SB & H & C) (3)
IAS 305: Work and Identity (SB) (3)
JUS 420 / SOC 425: Women, Work, and Justice ((L or SB) & C) (3)
JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)
SWU 374: Diversity and Oppression in a Social Work Context (C) (3)
TCL 314 / SOC 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)

National and Global (select one) -- 3 credit hours
AFR 302 / WST 302 / HST 335: History of Black Women in America (SB & H) (3)
ECN 441: Public Economics (SB) (3)
JUS 321: Wealth Distribution and Poverty (SB & C) (3)
JUS 323: Justice and the Development of the Welfare State (SB) (3)
JUS 325 / SGS 325: Globalization and Socio-Economic Justice (SB & G) or SOC 325: null (3)
JUS 432 / SOC 432: Racial Justice (L) (3)
JUS 435: Cinema and Justice (3)
JUS 456 / SOS 456 / SOC 455: Human Rights and Sustainability ((L or SB) & G) (3)
JUS 469: Political Deviance and the Law ((L or SB) & C) (3)
PHI 336: Social and Political Philosophy (HU) (3)
POS 480 / SBS 480: Global Justice (G) (3)
POS 486: International Political Economy (SB & G) (3)
WST 365: Women and International Health (G) (3)
WST 477: Gender and Violence (SB & C) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** In order to declare this certificate, a student must first have a minimum of 30 earned credit hours.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Critically assess core theory, concepts, and methods for the study of economic justice issues.

•Apply the fundamental principles of economic justice to the specific domestic or international issues through community engagement and research.

**Career Opportunities:** Graduates who combine the certificate in economic justice with their major program of study may become more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Elementary Education Certificate (TEEEDCERT)

**Campus:** Polytechnic, Tempe, West

**Description:** The certificate program in elementary education prepares students to work with children, kindergarten through grade 8, in an educational setting.

This certificate program can be added only to the following majors in Mary Lou Fulton Teachers College, granting students eligibility for dual-teaching certificates at the completion of their undergraduate degree program:

- BAE in early childhood education
- BAE in physical education
- BAE in secondary education
- BAE in special education

Students engage in innovative coursework grounded in theory-based strategies and evidence-based practices for teaching. Coursework is designed to support the development of instructional competencies, professional skills, content knowledge and pedagogical content knowledge in mathematics, science, English language arts and social studies.

This program has a strong focus on teaching and learning practices that foster equitable access and outcomes for culturally and linguistically diverse students and learners with special needs and exceptionalities.

Graduates are eligible to earn an institutional recommendation from ASU for Arizona teacher certification in Elementary Education, K-8, as recognized by the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

Format option
This program is also offered via ASU Sync (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Program Requirements:**
In addition to completing this certificate and a teacher certification program major, students will be required to earn a passing score on the professional knowledge portion of the AEPA/NES exam and a passing score on the subject knowledge portion of the AEPA/NES exam in each area an Arizona teaching credential is sought. Subject knowledge exam waivers may apply. Students should contact the Mary Lou Fulton Teachers College for more information.
This certificate requires 18 credit hours. A "C" or better is required in all coursework.

Required Courses -- 18 credit hours
EED 324: Social Studies for Equity and Social Justice (3)
EED 411: Science in Elementary Schools (3)
EED 412: Mathematics in Elementary Schools (3)

EED 433: Writing in the 21st Century (3)
RDG 413: Literacy Methods of Instruction and Assessment for Diverse Learners (3)
TEL 331: Foundations of Literacy: The Science of Reading (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate is only open to students majoring in early childhood education, special education, secondary education or physical education undergraduate teacher preparation programs in the Mary Lou Fulton Teachers College.

Students should have a valid Arizona DPS Identity Verified Print fingerprint clearance card.

A GPA of 2.25 is required for continued good standing. Students should contact the Mary Lou Fulton Teachers College for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a non degree-seeking graduate student but may not be eligible for an institutional recommendation for Arizona teaching licensure without additional preparation beyond the certificate.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-out teachers in public, charter and private education institutions. Many graduates with degrees in elementary education also work at community organizations serving children and youth.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 102
ASUeducation@asu.edu
480-965-9995

## Energy and Sustainability Certificate (SUESUCERT)

**Campus:** Downtown Phoenix, Polytechnic, Tempe

**Description:** The transdisciplinary certificate program in energy and sustainability examines current energy systems and explores what will be required to transition to a sustainable energy future.

Students begin with an overview of how energy affects people's lives, the basic science and methods of energy production, and a full overview of energy policy options. Students may tailor the certificate around their unique interests in energy with a variety of electives representing a broad array of academic disciplines. The breadth of their energy knowledge is enriched by taking courses outside their primary area of study.

An understanding of energy is increasingly important for jobs related to climate change, environmental quality, urban sustainability and sustainable development. This program helps students enhance their understanding of the technology and infrastructure for generating, distributing and using energy; the associated sustainability issues; and the social and policy dimensions of energy systems.

**Program Requirements:**
The certificate in energy and sustainability consists of 15 credit hours, of which at least 12 must be upper division.
Students must earn a grade of "C" or better in all courses. A minimum GPA of 2.50 is required for all courses completed in the certificate.

Required Core Courses -- 9 credit hours
SOS 171 / GCU 171: The Thread of Energy (SB & G) (3)
SOS 314: Basic Energy Science or SOS 324: Sustainable Energy Technology and Systems (3)
SOS 315: Energy Policy (3)

Energy Elective Courses -- 6 credit hours
ALT 412: Village Energy Systems (3)
CHM 394: Chemistry, Energy, and Society (3)
EGR 371: Best Practices for Humanitarian Engineering (3)
EGR 476: Microgrid Design and Operation (3)
ERM 494: Algae in Water/Energy/Food Nexus (3)

FIS 494: Climate Change, Energy, and Social Justice (3)
GCU 364: Energy in the Global Arena (SB & G) (3)
GCU 442: Geographical Analysis of Transportation (SB) (3)
GLG 304: Minerals, Energy, and Society (3)
GPH 405: Energy and Environment (3)
JUS 332: Politics of Energy Policy and Justice (3)
JUS 444: Environment and Justice (L & C) (3)
PHY 498: The Science of Sustainable Energy (3)
POS 394: Global Environmental Politics (3)
PUP 430: Transportation Planning and the Environment (3)
SOS 309: History and Philosophy of Sustainability (3)
SOS 323: Sustainable Urban Dynamics (3)
SOS 435: U.S. Energy: Pathways to Sustainability (3)
SOS 494: Renewable Energy (3)
SOS 498: Designing a Living Building (L) (3)
STS 317: Science, Technology, and Global Engagement (SB & G) (3)
STS 329: Technology in Developing Countries (SB & G) (3)
STS 332: Global Issues in Science and Technology (SB) (3)
TEM 450: Design for the Developing World (3)

394, 494 and 498 courses must be taken with the specific course title/topic indicated above.

Energy elective courses are not limited to courses from this list only. Other courses on energy may be offered (special topics, etc.). Students may request to have those approved as an elective for this certificate by submitting a College of Global Futures undergraduate standards petition: https://students.asu.edu/College_Standards_Petitions. Completed petitions may be submitted directly to cgfadvising@asu.edu.

Prerequisite courses may be needed in order to complete the requirements of this certificate.
Some energy elective courses are more technical in nature, which may require additional math and science knowledge or prerequisites.

**Enrollment Requirements:** Advising is not required, but students are encouraged to speak with an advisor by scheduling an appointment through the College of Global Futures advising website (https://collegeofglobalfutures.asu.edu/student-life/advising/undergraduate-advising).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

Students also may participate in a School of Sustainability study abroad program. More information is available on the school's study abroad website (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/).

**Career Opportunities:** Graduates of this program can pair the certificate with a bachelor's degree to make themselves competitive for energy jobs in a variety of sectors. Government, utilities, nonprofit and private businesses are a few examples of entities that need employees with the unique knowledge and skills gained from this transdisciplinary program who understand and can analyze energy systems, energy policy and sustainability.

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/certificates/
WCPH 400LT
cgfadvising@asu.edu
480-727-6963

## Entrepreneurship and Innovation Certificate (BAKEICERT)

**Campus:** Tempe

**Description:** The certificate program in entrepreneurship and innovation is comprised of three university-wide core courses, two courses within a student's disciplinary college and one approved certificate elective. Individual colleges are encouraged to offer a capstone course as part of the

program.

Beyond those related specifically to entrepreneurial business practices, courses include such topics as social entrepreneurship, arts entrepreneurship, idea generation and storytelling as additional perspectives for the student entrepreneur.

Students completing the certificate in entrepreneurship and innovation have their achievements recognized on their transcripts. Career services markets the certificate to potential employers, highlighting the innovative skills that students with this designation can offer.

**Program Requirements:**
The entrepreneurship and innovation certificate requires 15 credit hours and is available to all majors. At least 12 credit hours must be upper division. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

Required Core Courses -- 9 credit hours
ENT 305: Principles of Entrepreneurship (3)
ENT 340: Creativity and Innovation (L or HU) or TEM 230: Creativity and Business Innovation (3)
ENT 360: Entrepreneurship and Value Creation or TEM 400: Technology Entrepreneurship (3)

Concentration Electives -- 6 credit hours
Concentration Electives: Students will select two courses within the same concentration below. (6)
It is the student's responsibility to check the prerequisites required by courses in their discipline.
Concentration electives will be designated and approved by individual disciplinary colleges.

American Indian Studies Concentration
AIS 375: Innovation for American Indian Sustainability (3)
AIS 385: Entrepreneurship for American Indian Sustainability (3)

Anticipating Futures Concentration
FIS 305: Ways of Knowing (L) (3)
FIS 307: Navigating Futures (SB) (3)
FIS 308: Politics, Markets and Innovation (SB) (3)

Aviation Management Concentration
AMT 491 is required in the aviation management concentration. Students will choose one other AMT course.
AMT 308: Air Transportation (G) (3)
AMT 489: Airline Administration (3)
AMT 491: Aviation Management Capstone (3)

Biomedical Engineering Concentration
BME 300: Bioengineering Product Design (3)
BME 417: Biomedical Engineering Capstone Design I (L) (4)

Business/Start-up Concentration
AGB 456: Food Product Innovation and Development (3)
ENT 445: Business Model Development (3)
ENT 446: Venture Capital Experience (3)
ENT 447: Lean Launch (3)
ENT 464: Collaborative Design Development I (L) (5)
ENT 465: Collaborative Design Development II (L) (5)
FIN 455: Entrepreneurial Finance (3)
MKT 442: Services Marketing Strategy (3)

Design and Arts Concentration
ARA 396: Professional Practices for Design and the Arts (3)
ARA 460: Gallery Exhibitions (3)
DSC 394: Design Entrepreneurship & Society (3)
HDA 252: Foundations Arts and Design Entrepreneurship (3)
FMP 417: Business and Legal Practices in Entertainment (3)
MUP 438: The Enterprising Musician (3)
MUP 439: Music Product Creation and Development (3)
THP 351: Arts Management (3)
THP 450: Theatre Organization and Management (3)

Digital Media Entrepreneurship: Web Concentration
AME 435: Mobile Development (3)

GIT 402: New Media Internet Technologies (3)
GIT 414: Web Site Design and Internet/Web Technologies (3)
GIT 417: Advanced Web Markup and Scripting (3)
GIT 435: Website and E-Commerce Strategies (3)
GIT 480: Senior Project (3)

Herberger, FSE, WPC: Innovation Space Concentration
New product development. Students enroll in the courses associated with their major.
ENT 464: Collaborative Design Development I (L) AND ENT 465: Collaborative Design Development II (L) (10)
GRA 464: Collaborative Design Development I (L) AND GRA 465: Collaborative Design Development II (L) (10)
IND 464: Collaborative Design Development I (L) AND IND 465: Collaborative Design Development II (L) (10)

Ira A. Fulton Schools of Engineering: Alternative Energy Entrepreneurship Concentration
ALT 420: Electrochemical Energy Technologies (3)
ALT 435: Applied Photovoltaics (3)
ALT 445: Automotive and Stationary Fuel Cell Systems (3)

Ira A. Fulton Schools of Engineering: Process Innovation Concentration
TMC 331: Quality Assurance (3)
TMC 430: Enterprise Strategy and Innovation (3)

Ira A. Fulton Schools of Engineering: New Product Development Concentration
CSE 335: Principles of Mobile Application Development (3)
TEM 330: Systems Innovation (3)
TEM 400: Technology Entrepreneurship (3)

Ira A. Fulton Schools of Engineering: Social Entrepreneurship Concentration
TEM 450: Design for the Developing World (3)
TEM 455: Global Impact Entrepreneurship (3)
TEM 482: Startup Workshop (3)

Small Business Concentration
ENT 441: Entrepreneurial Management (3)
ENT 445: Business Model Development (3)
ENT 448: Corporate Entrepreneurship (3)
MKT 435: Entrepreneurial Marketing (3)
MKT 440: Creating Digital Experiences (3)

The College of Liberal Arts and Sciences: Science Concentration
BIO 312: Bioethics (HU) (3)
BIO 416: Biomedical Research Ethics (L) (3)
NTR 344: Nutrition Management and Leadership (L) (3)
PHI 320: Bioethics (HU) (3)

Walter Cronkite School of Journalism and Mass Communication Concentration
JMC 455: Digital Media Entrepreneurship (3)
JMC 473: The Business and Future of Journalism (3)
JMC 477: New Media Innovation and Entrepreneurship Lab (3)
MCO 335: Social Media Foundations (3)
MCO 425: Digital Media Literacy I (3)

Watts College of Public Service and Community Solutions Concentration
NLM 410: Social Entrepreneurship (3)
NLM 430: Managing Nonprofit Organizations (L) (3)
NLM 435: Service Learning for Community Development (3)
PRM 402: Assessment and Evaluation of Community Services (3)
PRM 427: Where's the Money: Special Event Revenue Generation (3)
PRM 475: Entrepreneurial Recreation and Tourism (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate in entrepreneurship and innovation is available to all ASU students in good standing except those majoring in business entrepreneurship, management with a concentration in entrepreneurship, and technology entrepreneurship and management.

No more than six credit hours may be shared between the certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in entrepreneurship and innovation with their major program of study may become more marketable to employers. They often decide to pursue employment in management, sales and marketing.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
School of Technology,Innovation & Entrepreneurship
https://wpcarey.asu.edu/
BA 318
wpcareymgt@asu.edu
480-965-3431

## Environmental Education Certificate (TEEVEDCERT)

**Campus:** Polytechnic, Tempe, West

**Description:** The certificate in environmental education is for students in all majors and for nontraditional educators. The program is designed to establish standards for professional excellence in environmental education as outlined by the North American Association for Environmental Education.

Environmental education is taught in traditional classrooms and in community-serving organizations such as nature centers, museums, parks and zoos. The coursework required in the certificate increases the environmental literacy of future educators, fosters community leadership strategies and provides opportunities to practice environmental education teaching methods.

Students who complete the certificate are eligible to apply for the environmental education certificate recognized by the North American Association for Environmental Education.

**Program Requirements:**
This certificate requires a minimum of 15 credit hours, 12 of which must be upper division. A "C" or better is required in all coursework.

Required Core Courses (select three) -- 9 credit hours
SCN 201: Discovering the Deserts of the Southwest or SCN 301: Ecology and Natural History of the Sonoran Desert (SG) or SCN 501: Ecology and Natural History of the Sonoran Desert (3-4)
SCN 207: Introduction to Biomimicry or SCN 307: Biomimicry: Nature's Sustainable Solutions (G) or SCN 507: Learning from Nature: Biomimicry and STEM (3-4)
SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) (3-4)
SCN 300: Foundations of Environmental Education (3)
SCN 302: Environmental Education: A Global Perspective (L & G) (3)
SCN 308 / SCN 508: Urban Environmental Education (3)
SCN 310: Biodiversity Conservation: An Educational Inquiry (4)
SCN 401: Sustainability Science, Technology, and Society (3)

Elective Options -- 6 credit hours
Any core course not taken above may be used to satisfy electives.
SCN 205: Tropical Ecology and Sustainable Living (3)
SCN 209: Introduction to Environmental Education Project or SCN 309: Environmental Education Project (1)
SCN 303: Environmental Education Internship (1-3)
SCN 304: Sonoran Desert Flora (3)
SCN 305: Tropical Ecology and Sustainability (3)
SCN 311: Nature Mindfully (3)
SCN 400: Sustainability Science for Teachers (3)
SCN 505: Tropical Ecology and Sustainable Development (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

A GPA of 2.25 is required for continued good standing. Students should contact the Mary Lou Fulton Teachers College for more information.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Apply knowledge of planetary systems' relation to environmental issues.
- •Apply the Three Pillars of Sustainability in the devising and application of effective solutions to environmental problems activities.
- •Apply knowledge of environmental issues to create new patterns of environmental stewardship within individuals, groups, and society.

**Career Opportunities:** Graduates who combine the certificate in environmental education with their major program of study may become more marketable to employers. They often decide to pursue employment in educational settings such as nonprofit organizations, nature centers, museums, parks and zoos.

The environmental education certificate does not lead to teacher certification.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 120
education@asu.edu
480-965-5555

## Environmental Humanities Certificate (LAENHCERT)

**Campus:** Tempe

**Description:** The environmental humanities certificate is for students who are interested in humanities-based approaches to the current global environmental crisis, a vital area of study.

Courses are focused on the human relationship to the environment and the relationship between nature and culture. To gain practical experience, students also complete an internship in environmental activism, policy development, education or another pertinent area.

ASU's Department of English has an extensive internship program, offering placements in publishing, media and marketing, government, nonprofits and film festivals. The department also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

**Program Requirements:**
The environmental humanities certificate consists of 15 hours. At least 12 credit hours must be completed at the upper-division level, with a minimum of six upper-division credit hours from courses offered by the Department of English in The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Required Course (choose one) -- 3 credit hours
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
ENG 371: Rhetoric of the Environmental Movement (3)
ENG 378: Environmental Creative Nonfiction (L or HU) (3)

Internship or Independent Study -- 3 credit hours
ENG 484: Environmental Humanities Certificate  or ENG 499: Individualized Instruction or EVE 452: Environmental Investigation and Remediation Design (3)
Notes:  Students majoring in Environmental Engineering are encouraged to take EVE 452 to fulfill this requirement.

Electives (choose three) -- 9 credit hours
ASB 326: Human Impacts on Ancient Environments (SB & H) (3)
ASB 370 / SOS 370: Ethics of Eating (L or SB) (3)
BIO 324 / PHI 310: Environmental Ethics (HU) (3)
CEE 181: Technological, Social, and Sustainable Systems (HU) (3)
ENG 334: The American Southwest in Literature and Film ((L or HU) & C) (3)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
ENG 371: Rhetoric of the Environmental Movement (3)
ENG 378: Environmental Creative Nonfiction (L or HU) (3)
ENG 468: Environmental Literary Criticism (L or HU) (3)
HST 342: U.S. West 20th Century (SB & H) (3)
HST 345: Environmental History (L) (3)
HPS 349 / JST 349 / REL 349 / SOS 349: Nature, Sustainability and Religion (3)
JUS 332: Politics of Energy Policy and Justice (3)
JUS 444: Environment and Justice (L & C) (3)
PSY 306: Environmental Psychology (SB) (3)
REL 349: Nature, Sustainability and Religion (3)
SGS 330: Globalization and the Environment: Problems and Solutions (3)
SOC 331: Environmental Sociology (SB & G) (3)
SOS 110: Sustainable World (SB) (3)
SOS 320: Society and Sustainability (L or SB) (3)
Other courses may be used by approval of an academic advisor in the Department of English.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Produce analytic writing about environmental issues that meets or exceeds standards in the field.
- •Engage critically, with writing and group oral discussion assignments, with up-to-date scholarly or creative Environmental Humanities texts.
- •Present team-prepared oral presentations on the cultural elements of an environmental challenge they are studying in order to prepare to learn team work and how to present pressing issues accessibly to the public.

**Career Opportunities:** The certificate provides students with a multidisciplinary knowledge base and practical skill set that enables them to enact social and environmental change. Students who complete this certificate are well prepared for careers in sustainability, environmental science and public policy and are better equipped to implement environmentally-responsible practices into their own lives.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## Environmental Humanities Certificate (LSENHCERT)

**Campus:** Polytechnic

**Description:** The environmental humanities certificate program offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus on this vital area of study. Students take courses and electives from selected programs focused on the human relationship to the environment and the relationship between nature and culture.

**Program Requirements:**
This certificate is comprised of 24 credit hours, including at least 12 upper-division credit hours. Six credit hours must be taken from courses offered by the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

Core Courses -- 12 credit hours

Pick four ENG courses from the list below, with a minimum of at least one 400-level course:*
ENG 334: The American Southwest in Literature and Film ((L or HU) & C) (3)
ENG 359: Indigenous American Literature ((L or HU) & C) (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
ENG 371: Rhetoric of the Environmental Movement (3)
ENG 378: Environmental Creative Nonfiction (L or HU) (3)
ENG 468: Environmental Literary Criticism (L or HU) (3)
ENG 469: Science and Literature (3)
*Note: Other ENG courses may be approved by CISA advisors depending on special- or variable-topics courses available in given semesters.

Elective Courses -- 12 credit hours
Complete at least four additional courses for a minimum of 12 credit hours. Students must work with an academic advisor in the College of Integrative Sciences and Arts to select electives. Some courses are limited to students majoring in the discipline, have prerequisites or cannot be taken in combination with another course on the list. Additional courses may be approved by the College of Integrative Sciences and Arts advisor depending on special- or variable-topics courses available in given semesters.
ASB 326: Human Impacts on Ancient Environments (SB & H) (3)
GPH 210: Society and Environment (G) (3)
HST 280: History of Science, Technology and Innovation (SB & G & H) (3)
HST 344: Arizona (SB & H) (3)
HST 345: Environmental History (L) (3)
IAS 409: Eco-Community Ethics (HU) (3)
JUS 444: Environment and Justice (L & C) (3)
LSC 362: The Human Environment (3)
PRM 380: Wilderness and Parks in America (SB & H) (3)
SOS 100: Introduction to Sustainability (G) (3)
TDM 480: Sustainable Tourism (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The environmental humanities certificate is available to all ASU undergraduate students.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** An undergraduate certificate can help in career advancement. Students who add this specialization in environmental humanities as a complement to their major program of study may become more marketable to employers.

Students who complete this undergraduate certificate often decide to pursue employment in environmental restoration planning, environmental protection or environmental communication.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Ethics Certificate (LAETHCERT)

**Campus:** Tempe

**Description:** The ethics certificate program is designed to give students a richer understanding of systematic philosophical thinking about ethics. Students with majors in business, nursing, journalism and public administration as well as students planning to pursue legal careers, among others, may well find that training in ethics is beneficial to their career goals.

The certificate program permits some flexibility regarding course selection, thereby facilitating particular student interests.

**Program Requirements:**
The certificate in ethics consists of 18 credit hours. All courses must be passed with a minimum grade of "C" (2.00 on a 4.00 scale). At least 12 credit hours must be upper division. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences.

Core Course (choose one) -- 3 credit hours
PHI 335: History of Ethics (HU) (3)
PHI 337: Ethical Theory (HU) (3)
PHI 338: Metaethics (3)

Electives (choose five) -- 15 credit hours
PHI 105: Intro to Ethics (HU) (3)
PHI 107: Introduction to Philosophy of Sex and Love (HU) (3)
PHI 120: Introduction to Medical and Bioethics (HU) (3)
PHI 304: Existentialism (HU) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 307: Philosophy of Law (HU) (3)
PHI 310: Environmental Ethics (HU) (3)
PHI 320: Bioethics (HU) (3)
PHI 324: Existential Ethics (HU) (3)
PHI 326: Philosophy of Happiness (HU) (3)
PHI 335: History of Ethics (HU) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 337: Ethical Theory (HU) (3)
PHI 338: Metaethics (3)
PHI 347: Philosophical Theories of Constitutional Law (3)
PHI 360: Business and Professional Ethics (HU) (3)
PHI 370: Sports Ethics (HU) (3)
PHI 405: Moral Psychology (3)
PHI 406: Moral Dilemmas (L or HU) (3)
PHI 408: Feminist Ethics (HU) (3)
PHI 409: Eco-Community Ethics (HU) (3)
PHI 420: Blame (3)
PHI 420: Disaster Ethics (3)
PHI 420: Ethics, Big Data and AI (3)
PHI 420: Ethics in Plato & Aristotle (3)
PHI 420: Ethics of Sustainability (3)
PHI 420: Feminist Philosophical Literature (3)
PHI 420: Foundations of Bioethics (3)
PHI 420: Justice (3)
PHI 420: Medical Ethics (3)
PHI 420: Normative Ethics (3)
PHI 420: The Philosophy of Dehumanization (3)
PHI 420: Political Philosophy and Pandemic Ethics (3)
PHI 420: Positive Moral Philosophy (3)
PHI 420: Topics: Race, Gender & Disability (3)
PHI 420: Stoicism (3)
PHI 420: Well-Being: Philosophy of Happiness (3)
PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different. Only topics related to ethics will apply to the certificate.

One course outside the list of electives, and perhaps outside the PHI subject code, may be used with written approval of the director of undergraduate studies.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Incompatible Majors: BA in philosophy (morality, politics and law)

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Students will be able to evaluate how well different normative ethical theories such as consequentialism, deontology and virtue theory provide moral standards that dictate which (if any) actions are right and wrong or how well different metaethical theories such as realism, expressivism, relativism, nihilism, compatibilism or incompatibilism account for the meaning and truth of moral claims.

•Students will be able to apply leading ethical theories to practical ethical questions that arise in life.

**Career Opportunities:** An undergraduate certificate can advance students' career options.

Students become more marketable to employers when they complement their major program of study with this specialization in ethics. The certificate is evidence of analytical, reasoning and writing skills and competence in areas of increasing concern to employers, such as ethics, public policy and justice.

Students who complete the ethics certificate often decide to pursue careers in business, law, policy or politics. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Ethnic Studies Certificate (ASETHCERT)

**Campus:** West

**Description:** The certificate program in ethnic studies explores the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas.

The coursework combines topics in the humanities, arts and social sciences, and instruction is given on methods to critically analyze racial, ethnic, gender and sexual identities; transnational movements; and diverse forms of cultural, literary and political expression.

The certificate in ethnic studies is recommended for graduate students, nondegree students and students majoring in professional programs, and it is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**
The certificate in ethnic studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Up to six credit hours may be shared between a major and the certificate. Up to three credit hours of individualized instruction may be applied toward the certificate.
Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. All courses in the certificate must be passed with a minimum grade of "C" (2.00).

Required Courses -- 6 credit hours
ETH 100: Ethnic and Indigenous Lives (SB & C) (3)
HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)

Upper-Division Electives -- 12 credit hours
AMS 332: Studies in Race and Ethnicity (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB & C) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)
ENG 338: Protest Literature (3)
ENG 359: Indigenous American Literature ((L or HU) & C) (3)
ENG 420 / IAS 420: Multicultural Autobiographies ((L or HU) & C) (3)
ENG 462: Africana Literature (HU & G) (3)
ENG 463: African American Literature (3)
ENG 476: Studies in Folklore (3)
ETH 353 / ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)
ETH 354 / ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) (3)
ETH 380 / WST 380: Race, Gender, and Class (SB & C) (3)
ETH 428 / AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)
ETH 430 / WST 430: Gender on the Borderlands (SB & G) (3)
ETH 433 / WST 433: Race and Sexualities in Social Justice Movements (3)
ETH 450: Latina/os, Schooling and Social Inequality (C) (3)
ETH 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)
ETH 499: Individualized Instruction (3)
HST 419: 20th Century Chicano/a History (C) (3)
IAP 302: Cross-Cultural Perspectives on the Arts (L or HU) (3)

IAP 464: Media and Diversity (HU & G) (3)
LAS 340 / WST 341: Latin American Women Writers (HU & G) (3)
SBS 301: Cultural Diversity ((L or SB) & C) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students who wish to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the certificate is added to the student's program of study.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This program prepares students for careers, or for graduate school, in a variety of fields, including business, health care, criminal justice, social services, education, public relations, community development, public policy and government. Potential careers include community health worker, social and community service manager, secondary and high school teacher, and journalist.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASETHCERT/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## European Studies Certificate (LAESCERT)

**Campus:** Tempe

**Description:** The European studies certificate program provides a broad overview of the European countries, from their natural environment to their cultural, demographic, economic and political aspects. The pressing issues facing Europe today reveal both its tremendous diversity and the globalizing elements that invite investigation.

This certificate, a transdisciplinary collaboration involving several faculties of the School of International Letters and Cultures and other ASU faculty engaged in the study of Europe, serves a diverse population of students who would like to enhance their knowledge of European cultures for both academic and professional purposes.

The program focuses on the interconnectedness of knowledge involving European cultures, politics, religions, ethnicities, social-economic justice and sustainable solutions to old and new challenges and divisions in today's Europe. It also develops students' ability to analyze the historical development of the region and its exchanges with other world cultures. Students analyze what it meant to be European in the past and what it means today and how that knowledge can be applied to contemporary political and cultural debates as well as to professional opportunities in the region.

**Program Requirements:**
The certificate requires 15 credit hours of upper-division coursework. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Core Course -- 6 credit hours
GCU 325: Geography of Europe (SB & G) or POS 352: European Democracies (3)
SLC 429 / ENG 429 / THE 429: What is Europe? (3)

Electives (choose two) -- 6 credit hours
FRE 321: French Cultural Masterpieces I ((L or HU) & H) (3)
FRE 322: French Cultural Masterpieces II (L or HU) (3)
FRE 414 / ITA 414 / SLC 414: French and Italian Popular Culture ((L or HU) & G) (3)
FRE 415: French Civilization I (HU) (3)
FRE 416: French Civilization II (HU & G) (3)
FRE 494 / ITA 494: Paris & Florence in the Middle Ages (1100-1500) or SLC 494: Paris and Florence in the Middle Ages (1100-1500) (3)
GCU 325: Geography of Europe (SB & G) (3)
GCU 426: Geography of Russia and Surroundings (SB & G) (3)
GER 416: German Civilization (HU & H & G) (3)
GER 422: German Literature Survey, 1800-Today (L or HU) (3)
GER 445 / FMS 445: Holocaust, War and German Memory (HU) (3)

GER 446: Weimar-Era German Film (3)
GER 447 / SLC 447: German Modernism (3)
GRK 344 / LAT 344 / SLC 344: Classics and Comics (HU) (3)
GRK 347 / HST 347 / SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) (3)
GRK 360 / LAT 360 / SLC 360 / HST 397: Greece and Rome at War (3)
GRK 362 / SLC 362 / REL 360: Ancient Greek Religion (HU) (3)
HST 304 / JST 304: Studies in European History (3)
HST 351: Renaissance Europe ((L or HU or SB) & H) (3)
HST 352: Europe's Reformations ((L or HU or SB) & H) (3)
HST 353: Old Regime in Europe (SB & H) (3)
HST 354: Revolutionary Europe (SB & H) (3)
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)
HST 356: Europe since 1945 (SB & G & H) (3)
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)
HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) (3)
HST 362: Sex and Society in Classical and Medieval Europe (SB & H) (3)
HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H) (3)
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)
HST 368: Culture and Imagination in European History (HU & H) (3)
HST 370: Eastern Europe in Transition (SB & G & H) (3)
HST 373 / LAT 373 / SLC 373: Roman History I: Foundations and Republic (3)
HST 374 / LAT 374 / SLC 374: Roman History II: The Roman Empire (HU & H) (3)
HST 427: French Revolution/Napoleonic Era (SB & H) (3)
HST 429: Modern Germany (SB & G & H) (3)
HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)
HST 465: Women in Europe, 1750 to Present ((HU or SB) & H) (3)
HST 495: Holocaust (L) (3)
ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G) (3)
ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H) (3)
ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)
ITA 350 / SLC 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)
ITA 423 / SLC 423: Italian Organized Crime in Films and History ((L or HU) & G) (3)
POS 352: European Democracies (3)
POS 356: European Union (SB & G) (3)
REL 312: History and Memory of the Holocaust (3)
REL 377: Religion in Russia (HU & H) (3)
REL 382: Magick, Religion and Science (L or HU) (3)
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)
RUS 430: Russian Short Story (L or HU) (3)
RUS 440: Russian Mass Media (G) (3)
SLC 442 / ROM 442: Dracula and Vampire Lore ((L or HU) & G & H) (3)
SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU) (3)
SPA 426: Literature and Society in Modern Spain (HU) (3)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

Capstone Experience (choose one) -- 3 credit hours
Upper Division Capstone Experience (3)
Students select Capstone Experience from list below in consultation with the European studies certificate faculty coordinator and academic advisor.

Students may use credit earned on a study abroad program in a European country. Placement of the credit must be reviewed and approved by the European studies certificate faculty coordinator and the academic advisor.

Independent Study with Area Expert
FRE 499: Individualized Instruction (3)
GER 499: Individualized Instruction (3)
ITA 499: Individualized Instruction (3)
ROM 499: Individualized Instruction (3)
RUS 499: Individualized Instruction (3)
SLC 499: Individualized Instruction (3)
SPA 499: Individualized Instruction (3)

Internship
FRE 484: Internship (3)
GER 484: Internship (3)

ITA 484: Internship (3)
RUS 484: Internship (3)
SLC 484: Internship (3)
SPA 484: Internship (3)

Professional Seminar
SLC 498: Pro-Seminar (3)
SPA 498: Pro-Seminar (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in European studies with their major program of study may become more marketable to employers. They often decide to pursue employment in education, political analysis, tourism and hospitality or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-european-studies
DH 131
silcadvising@asu.edu
480-965-6281

## Evolutionary Medicine Certificate (LAEVMDCERT)

**Campus:** Tempe, Online

**Description:** With rising need for health science-related skills and an aging population in the United States, innovations in health and medicine are in demand. Evolutionary medicine is a new and burgeoning field situated between the life and social sciences that seeks to integrate the fields of evolutionary biology, genetics, medicine, global health and public health to transform our understanding of disease and improve human health.

In this certificate program, students learn how to integrate perspectives from across fields to answer questions about health and disease in the context of human life history. They are introduced to integrated approaches within the biological and social sciences that are capable of addressing an emerging, anticipated public need such as reemerging infectious disease, challenges with vaccines, the expansion of chronic disease and other growing public health crises.

**Program Requirements:**
The certificate in evolutionary medicine consists of 15 credit hours, at least 12 of which must be upper division. All 15 credit hours must be completed at ASU. A grade of "C" (2.00 on a 4.00 scale) or higher is required for all courses used toward the certificate.

Required Courses -- 6 credit hours
ASM 403 / BIO 403: Evolutionary Medicine and Global Health (3)
BIO 408 / ASB 408: Advanced Evolutionary Medicine (3)

Electives (choose three) -- 9 credit hours
A minimum of six credit hours of electives must be upper division.
ASB 250 / BIO 250: Introduction to Evolution and Medicine (SB & G) (3)
ASB 448 / BIO 448: Maternal and Child Health (3)
ASB 462: Medical Anthropology: Culture and Health (SB & C) (3)
ASM 246: Human Origins (SB) (3)
ASM 342 / BIO 327: Evolution of Human Behavior (3)
ASM 345: Disease and Human Evolution (3)
ASM 394 / BIO 394: Ecology and Evolution of Infectious Diseases (3)
ASM 401: Health and Human Biology (3)
ASM 446 / BIO 446: Principles of Human Genetics (L) (3)
ASM 456: Infectious Disease and Human Evolution (3)
ASM 494 / BIO 494: Evolution and Mental Disorders (3)
BIO 302: Cancer--Mother of All Diseases (L) (3)
BIO 318 / HPS 331: History of Medicine (HU & H) (3)
BIO 345: Evolution (3)

BIO 394 / PSY 394: Introduction to Evolutionary Psychology (3)
BIO 440 / MBB 440: Functional Genomics (3)
BIO 462: Endocrine Physiology (3)
MBB 445 / MIC 445: Techniques in Molecular Biology/Genetics (3)
MIC 205: Microbiology (SG) or MIC 220: Biology of Microorganisms (3)
MIC 314: HIV/AIDS: Science, Behavior, and Society (3)
MIC 425: Advanced Immunology (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Graduates who have combined the certificate in evolutionary medicine with their major program of study may become more marketable to employers. They often decide to pursue employment in evolutionary biology, genetics, medicine, global health or public health.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degrees/minorscertificates
LSA 189
sols.advising@asu.edu
480-727-6277

## Family Communication Certificate (ASFAMCCERT)

**Campus:** West

**Description:** The certificate program in family communication focuses on issues affecting communication within the family, and it complements the current communication program by bringing together an array of courses that have implications for the family unit, such as courses in new media and health. Students are encouraged to also take courses in other disciplines that complement family-related communication courses.

This program is offered by the School of Social and Behavioral Sciences.

**Program Requirements:**
The certificate in family communication consists of 19 credit hours (a minimum of 12 credit hours must be upper division). Six upper-division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. Six credit hours may be shared with major requirements. Four courses must be selected from at least two content areas listed. All courses used to satisfy requirements for the certificate must be passed with a "C" or better.
The courses listed are suggested and actual courses should be selected in conjunction with an academic advisor. A one credit hour exit portfolio is required and may be taken after a minimum of 12 hours toward the certificate has been completed.

Required Courses -- 6 credit hours
COM 312: Communication, Conflict, and Negotiation or COM 410: Interpersonal Communication Theory and Research (SB) or COM 417: Communication and Aging (3)
COM 411: Communication in the Family (SB) (3)

Content Area Courses -- 12 credit hours
Content Area Course (6)
Upper Division Content Area Course (6)
Select four courses from at least two content areas. At least six hours must be upper division. Listed courses are suggestions; courses for the certificate should be selected in conjunction with the certificate advisor.

Social and Cultural Elements of the Family
AFR 370: Family Ethnic and Cultural Diversity (SB & C) (3)
ASB 346: Marriage and Family Diversity (SB & C) (3)

ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)
COM 310: Relational Communication (SB) (3)
COM 316: Gender and Communication (SB & C) (3)
COM 410: Interpersonal Communication Theory and Research (SB) (3)
COM 432: Forgiveness and Reconciliation (3)
FAS 301: Introduction to Parenting (3)
FAS 331: Modern Family Relationships (SB) (3)
FAS 370: Family Ethnic and Cultural Diversity (SB & C) (3)
FAS 435: Advanced Topics in Modern Family Relationships (L or SB) (3)
PSY 385: Psychology of Gender (SB) (3)
SOC 315: Sociology of Dating, Relationships and Marriage (SB) (3)
SOC 415: The Family (SB) (3)

Health and Family Development
CDE 430: Infant and Toddler Development in the Family (SB) (3)
COM 417: Communication and Aging (3)
CRJ 204: Juvenile Justice (3)
FAS 332: Human Sexuality (SB) (3)
FAS 436: Sexuality in Mid-Life and Beyond (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 443: Child and Adolescent Psychological Disorders (L or SB) (3)
PSY 444: Adolescent Psychology and Psychopathology (3)
PSY 447: Psychology of Aging (SB) (3)
SOC 312: Adolescence (SB) (3)

Technology, Media and the Family
COM 416: Gender and Race in the Media (3)
COM 424: Television Studies and Criticism (3)
COM 457: New Media (3)
COM 471: Global Media and Cultural Identity (G) (3)
ENG 244: Introduction to Researching Family History (3)
MCO 473: Sex, Love, and Romance in the Mass Media (SB) (3)

Community Application
COM 314: Inner-City Families: The Cycle of Poverty (3)
COM 484: Internship (3)

Family Communication Portfolio -- 1 credit hours
COM 485: Communication Portfolio (1)
Notes: The communication portfolio is a synthesis of the student's family communication academic experience. The portfolio itself integrates each student's experience with theory and concepts from coursework. The portfolio may take a variety of forms, to be negotiated by each student and the instructor. This course is to be taken after a minimum of 12 credit hours toward the certificate have been completed.

Listed courses are suggestions; courses for the certificate should be selected in conjunction with the certificate advisor.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate in family communication is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Social and Behavioral Sciences to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This is a valuable certificate for students planning to enter careers or graduate study in fields like psychology, counseling, family studies, social work, medicine or nursing, law, aging, pastoral care, human services, media or communication technology.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASFAMCCERT/undergrad/true/177
FAB N101

sbsadvising@asu.edu
602-543-3000

## Field Geology Certificate (LAFDGCERT)

**Campus:** Tempe

**Description:** The certificate program in field geology prepares undergraduate students with the core knowledge base and field experience to identify, describe, collect and interpret a variety of types of geological field data.

**Program Requirements:**
The certificate requires a minimum of 15 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least nine credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Required Courses -- 9 credit hours
GLG 310: Structural Geology (3)
GLG 452: Field Geology II (L) (3)
GLG 455: Advanced Field Geology (3)

Electives (choose two) -- 6 credit hours
GLG 362: Geomorphology (3)
GLG 420: Volcanology (3)
GLG 424: Petrology (3)
GLG 435: Sedimentology and Stratigraphy (3)
GLG 489: Field Geochemistry (L) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.
Courses not completed at ASU must be approved for use in this certificate.

**Enrollment Requirements:** Additional enrollment requirements include completion of the following courses or their equivalencies with a "C" or better (scale is 4.00 = "A"):

GLG 101 Introduction to Geology I (Physical) and GLG 103 Introduction to Geology I Lab or
SES 121 Earth, Solar System and Universe and SES 123 Earth, Solar System and Universe Lab
AND GLG 321 Mineralogy and GLG 451 Field Geology I.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students who complete this undergraduate certificate possess a strong field-based background, required for many entry-level jobs in resource mining, geotechnical and environmental consulting companies. It also is a strong asset for acceptance into many graduate research programs in the earth sciences.

Career opportunities include:

- geologic materials technician
- geologic sample test technician
- geoscientists
- geotechnician
- mining and geological engineers

Sample career settings include:

- environmental industry
- geotechnical industry
- mining and petroleum industries

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/

ISTB4 795
sese-advising@asu.edu
480-965-5081

## Film and Video Studies Certificate (ASVIDCERT)

**Campus:** West

**Description:** In this interdisciplinary film and video studies certificate program, students explore film theory and the practice of the moving image and have an opportunity to develop their interests, skills and understanding of the forms, channels, technologies and histories of the media arts.

Coursework helps students become more astute critics of film and media arts. They learn about the history of film, television and video arts as well as their place in social, cultural and political expression. Students also strengthen their critical thinking skills through an analysis of the ongoing philosophical, aesthetic, political and technological debates about film, media and video.

**Program Requirements:**
The certificate in film and video studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper-division hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students choose a focus in either film studies, or media and video studies. The film studies emphasis focuses on the impact of film and video. The media and video studies emphasis is concerned with the rendering of film and video. All courses used to satisfy the requirements for this certificate must be passed with a minimum grade of "C" (2.00) or better.

Core Requirement -- 3 credit hours
IAP 201: Introduction to Interdisciplinary Arts (HU) (3)

Foundation Requirement -- 3 credit hours
IAP 103: Foundations I: Interdisciplinary Art Practice (3)

Emphasis Tracks
Film Studies Emphasis - students will choose six credit hours from the Applied/Practical course list and three credit hours from the Theoretical, Conceptual and Historical course list.
Media and Video Studies Emphasis - students will choose nine credit hours from the Theoretical, Critical, Performance and/or Production course list.

Film Studies Emphasis: Applied/Practical Courses (choose two) -- 6 credit hours
COM 335 / IAP 335: Acting for the Camera (3)
COM 429: Semiotics and Visual Communication (3)
IAP 322: Multitrack Digital Recording (3)
IAP 361: Digital Editing and Media Literacy (CS) (3)
IAP 364: Documentaries (3)
IAP 366: 3D Modeling and Media Literacy (3)
IAP 467: Acoustic Ecology (3)
IAP 474: Art and Film (L or HU) (3)

Film Studies Emphasis: Theoretical, Conceptual and Historical Courses (choose one) -- 3 credit hours
ENG 365: History of Film (HU) (3)
IAP 364: Documentaries (3)
IAP 465: Media Technologies and the Arts (3)
IAP 473: Aesthetic Research (L or HU) (3)

Media and Video Studies Emphasis: Theoretical, Critical, Performance and/or Production Courses (choose three) -- 9 credit hours
COM 335 / IAP 335: Acting for the Camera (3)
COM 429: Semiotics and Visual Communication (3)
ENG 365: History of Film (HU) (3)
IAP 325: Sound Performance: Exploring Alternative Performance Groups (3)
IAP 334: Conceptual Development in the Arts (3)
IAP 361: Digital Editing and Media Literacy (CS) (3)
IAP 364: Documentaries (3)
IAP 366: 3D Modeling and Media Literacy (3)
IAP 465: Media Technologies and the Arts (3)
IAP 467: Acoustic Ecology (3)
IAP 469: Advanced Audio Production (3)
IAP 473: Aesthetic Research (L or HU) (3)
IAP 474: Art and Film (L or HU) (3)
IAP 494: Advanced Video Production (3)

Capstone -- 3 credit hours
IAP 480: Art as Praxis: From Conceptualization to Production (3)
The project should reflect the integration of coursework with creative initiative to generate a product that stands alone as a piece of original work.
*For the Film Studies Emphasis, the project will focus on an intellectual analysis of some dimension of film products, reception, institutions, economics, and so forth.
*For the Media and Video Studies Emphasis, the project may be intellectual or creative (performance or production) in nature. Projects will be examined and evaluated by at least one faculty member involved in the film and video studies certificate.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate in film and video studies is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The certificate in film and video studies helps students prepare for such careers as editors, art directors, video producers and directors, video and interdisciplinary project directors, and digital media specialists in areas such as video and film production, film studies, media studies or digital design. The valuable skills students gain through the program also prepare them for graduate study.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASVIDCERT/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Food Industry Management and Marketing Certificate (BAFIMMCERT)

**Campus:** Polytechnic

**Description:** The certificate program in food industry management and marketing allows business and nonbusiness students the opportunity to acquire specialized business skills, providing them with a competitive advantage for employment with firms and agencies that operate within the global food industry.

The certificate program explores the role that consumers' food choices and purchases play in the allocation of resources throughout the food chain, from farm to retail.

Upon completion of the program, students have a deep understanding of the business, economic and market environments of the global food industry, with particular emphasis on food marketing and distribution.

**Program Requirements:**
The food industry management and marketing certificate requires 15 credit hours and is available to all majors. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

Required Course -- 3 credit hours
AGB 250: Economics of Resource Allocation: Food and Agriculture or AGB 302: International Management and Agribusiness (G) (3)

Required Marketing Course (choose one) -- 3 credit hours
MKT 300: Marketing and Business Performance (3)
MKT 302: Applied Marketing Management and Leadership (L) (3)
MKT 303: Honors Marketing Theory and Practice (L) (3)
MKT 390: Essentials of Marketing (3)

Electives (choose three) -- 9 credit hours
AGB 100: Introduction to Agribusiness (3)
AGB 370: Food Retailing Strategy Development and Case Competition (3)
AGB 414: Food and Agribusiness Policy Issues (L) (3)
AGB 420: Food Advertising and Promotion (3)

AGB 425: Food Supply Networks (3)
AGB 435: Commodity Futures and Options Markets (3)
AGB 445: Food Retailing (3)
AGB 452: Global Food and Agricultural Trade (3)
AGB 456: Food Product Innovation and Development (3)
AGB 481: Strategic Pricing in Food Markets (3)
AGB 494: NAMA Marketing Plan (3)
BUS 424: Sales and Negotiations (3)
BUS 434: Business Risk Management (3)
TGM 460: Global Risk Assessment and Management (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.
The program is offered at ASU's Polytechnic campus, but students may choose to take the entire certificate in iCourse format.

**Enrollment Requirements:** Students majoring in food industry management are not eligible to pursue this certificate.

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. The certificate in food industry management and marketing helps students develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Students who complete this undergraduate certificate often decide to pursue employment in management, marketing, and sales. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/undergraduate-degrees/programs
SANTN 230F
wpcarey.morrison@asu.edu
480-727-1586

## Gender, Women and Sexuality Studies Certificate (ASWSTCERT)

**Campus:** West

**Description:** The certificate program in gender, women and sexuality studies examines the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas.

The program combines interdisciplinary topics and methods to critically analyze, unpack and address how relations of gender are embedded in and connected to social, political and cultural transformations. The intellectual core draws from theories, methods and teachings in women and gender studies while engaging complementary fields of social justice, cultural studies, sexuality studies, queer studies, literature, history, sociology, psychology, oral history, ethnicity, race and indigenous studies, and transnational studies.

**Program Requirements:**
The certificate in women and gender studies consists of 18 credit hours. A minimum of 12 credit hours must be upper division. Six upper-division credit hours must be taken through courses offered by the School of Humanities, Arts and Cultural Studies. Courses should be chosen in consultation with an academic advisor prior to enrollment. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
HRC 200: Introduction to Social and Cultural Analysis (SB & C) (3)
WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Electives -- 12 credit hours
Courses used for Core Requirements cannot also be used to satisfy the Elective Requirements.
AMS 334 / ETH 333 / WST 334: Class in America (SB) (3)
ENG 220 / WST 220: Gender, Media and Culture (HU & C) (3)
ENG 336 / WST 330: Women, Film and Culture (SB & C) (3)

ENG 364: Women and Literature (HU) (3)
ENG 443 / WST 415: Gender, Culture and Literacy (3)
ENG 454 / WST 454: Gender and Literature (L or HU) (3)
ETH 433 / WST 433: Race and Sexualities in Social Justice Movements (3)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)
LAS 340 / WST 341: Latin American Women Writers (HU & G) (3)
WST 333: Critical Perspectives on Sexuality (SB & C) (3)
WST 370: Chronicling Women's Lives (HU & C) (3)
WST 376: Feminist Theory (H & C) (3)
WST 380: Race, Gender, and Class (SB & C) (3)
WST 390 / REL 390: Women, Gender and Religion (HU & G) (3)
WST 428: Gender, Madness and Justice (SB) (3)
WST 430: Gender on the Borderlands (SB & G) (3)
WST 444: Gender, Health, and Bodies (SB) (3)
WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) (3)
WST 457: Women, Cultures, and Societies (SB & G) (3)
WST 469: Abject Bodies and the Politics of Trash (SB & C) (3)
WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This program prepares students for graduate study or a variety of fields including business, health care, criminal justice, social services, education, public relations, nonprofits, community development, public policy and government. Possible careers include community health workers, secondary school teachers, human resource managers, probation officers, social and community service managers, writers and academia.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASWSTCERT/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Gender, Women and Sexuality Studies Certificate (LAWSTCERT)

**Campus:** Tempe

**Description:** The gender, women, and sexuality studies certificate program provides students with an intersectional approach to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts. This program enables students to write well, think critically and analyze problems effectively.

**Program Requirements:**
The gender, women and sexuality studies certificate requires a minimum of 18 credit hours, of which at least 12 must be completed at the upper-division level. Each course must be completed with a a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours
WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) (3)

Elective Core Course -- 3 credit hours
WST 377: History of American Feminist Thought (H & C) or WST 378: Global Feminist Theory (L & G) (3)

Electives -- 12 credit hours
WST Elective (3)
WST Upper Division Elective (9)

WST 100 and WST 300 cannot be used to fulfill the elective requirement.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Analyze the ways in which gender intersects with other social locations in shaping ideology, as well as social, political and cultural institutions.
- Demonstrate an understanding of key concepts, critical debates and interdisciplinary approaches and methodologies that have shaped the field of women and gender studies.

**Career Opportunities:** Graduates who have combined the certificate in gender, women and sexuality studies with their major program of study may increase their marketability to employers.

Graduates often decide to pursue employment in law, education, public service, and human welfare and social work. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Geographic Information Science Certificate (LAGISCERT)

**Campus:** Tempe, Online

**Description:** The geographic information science undergraduate certificate program pairs the practical skill of geographic information science with the conceptual knowledge of geographical problem-solving and of spatial thinking.

**Program Requirements:**
The certificate requires 20 credit hours with a grade of "C" (2.00 on a 4.00 scale) or higher. At least 12 of the 20 credit hours must be upper division.

Geographic Information Science Core -- 11 credit hours
GIS 205: Geographic Information Science I (CS) (3)
GIS 211: Geographic Information Science II (CS) (4)
GIS 311: Geographic Information Science III (CS) (4)

Upper Division GIS Electives -- 6 credit hours
GIS Upper Division Elective (6)

Upper Division Related Coursework -- 3 credit hours
GCU OR GIS OR GPH OR PUP OR CEE OR CSE OR EEE OR EGR OR FSE OR IEE Upper Division Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** ASU degree-seeking students
The BS in geographic information science is incompatible with this certificate program.

Nondegree-seeking students
This certificate is available through the Pathways for the Future program (https://pff.asu.edu/). Applicants without a bachelor's degree are eligible to apply for, and receive, this certificate through the Pathways for the Futures program. Applicants who already hold a bachelor's degree should apply to ASU and this certificate program as a nondegree-seeking graduate student.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/geographic-information-science-undergraduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** Geographic information science is one of the fastest growing segments of the economy, and employment possibilities can be found across the private sector as well as in many government agencies at the local, state and national levels.

Students who paired this geographic information science certificate with their degree program have added to their knowledge and abilities the highly desirable skills in:

- analysis
- computer programming
- problem solving
- statistics

Application of these skills can be used in many fields, among them:

- health care
- nonprofit
- real estate
- retail
- utilities

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/certificate/certificate-geographic-info-science-cert
COOR 5681
SGSUP.advising@asu.edu
480-965-7533

## Global Management Certificate (TBTGMCERT)

**Campus:** Downtown Phoenix, West

**Description:** Research from McKinsey and Company, a highly respected consulting firm, indicates that in the near future, almost 40% of the growth globally will result from just 400 cities in emerging markets around the world.

This undergraduate certificate program in global management provides broad-based training in global business and global studies that helps prepare students for a global management career. It offers unique courses that integrate an in-depth understanding of the political, economic and cultural aspects of doing business in specific regions with tools to assess business trends in specific countries.

Thunderbird School of Global Management has produced unique leaders for more than 70 years. Home to the BGM and BS in international trade, the school's innovative and practical curriculum complements a strong core of global business management skills, international political economy and cross-cultural training, with a transdisciplinary approach. The alumni network has over 45,000 graduates across 170 chapters around the globe.

**Program Requirements:**
The global management certificate requires 18 credit hours as outlined below, with a minimum of 12 upper-division credits. Students are encouraged to take courses that develop breadth within their sector rather than limiting their selection to courses in one particular subject area.

Required Course -- 3 credit hours
TGM 101: Principles of Global Management (G) (3)
It is recommended that students take TGM 101 prior to or concurrently with other TGM courses.

Electives -- 15 credit hours
TGM 204: Principles of Marketing for Global Organizations (3)
TGM 300: Principles of Finance for Global Organizations (3)
TGM 310: Supply Chain Operations for Global Organizations (3)
TGM 312: Big Data in the Global Economy (3)
TGM 353: Regional Management Environment (G) (3)
TGM 468: States and Markets in a Global Economy (SB & G) (3)
TGM 478: Cross-Cultural Communication and Negotiation (3)
TGM 487: Global Entrepreneurship (3)
TGM 489: Multinational Organizational Leadership (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.
Study abroad or international experience is encouraged but not required. Consider ASU Global Education Office opportunities.

**Enrollment Requirements:** Incompatible Majors: BGM in global management; BS in international trade.

No more than six credit hours may be shared between certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Demonstrate enhanced ability to think analytically in a global context.
- •Demonstrate in-depth knowledge of at least one region of the world.
- •Demonstrate enhanced ability in Global Entrepreneurship.

**Career Opportunities:** Graduates who have combined the certificate in global management with their major program of study may become more marketable to employers. They often decide to pursue employment in corporations, governments or nonprofits in positions such as business analyst, global entrepreneur or marketing manager.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
FAB N290
ugadvising@thunderbird.asu.edu
602-543-0029

## Globalization and Culture Certificate (LAGLCCERT)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Description:** The globalization and culture certificate program offers students the opportunity to increase their understanding of the cultural dimensions of globalization, in the context of economic, political and social changes in the world today.

This certificate program provides an interdisciplinary approach to understanding the phenomenon of globalization, including the historical, political, cultural and social forces that shape contemporary globalized society. It draws on courses from several colleges and academic units and emphasizes studies related to the history and culture of globalization, conflict and contact between regions of the world, and questions related to language and identity.

**Program Requirements:**

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in globalization and culture with their major program of study may be more marketable to employers. They often decide to pursue employment in education, political analysis, the military, tourism and hospitality or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-globalization--culture
DH 131
silcadvising@asu.edu
480-965-6281

## Hazardous Materials and Waste Management Certificate (TSETMCERT)

**Campus:** Polytechnic

**Description:** The certificate program in hazardous materials and waste management is designed to provide current and prospective employees of industry and government with a comprehensive and practical curriculum of study in hazardous materials management. The certificate program features instruction by faculty, attorneys and professionals who work in the specific area in which they teach.

Students enrolled in this certificate program are offered several industry-required courses by the Environmental and Resources Management professional development program targeted to environmental professionals who engage in management and transportation of hazardous materials and waste: the OSHA-mandated 40 hour Hazardous Waste Operations and Emergency Response course; the 16 hour Initial Hazardous Materials Transportation Certification course; and the corresponding eight-hour refresher courses. To support their professional development, these training courses are provided for certificate students at less than 15% of the actual cost.

**Program Requirements:**
The certificate in hazardous materials and waste management requires 18 credit hours. Students must complete six selected courses (four required and two electives) and earn a grade of "C" (2.00 on a scale of 4.00) or higher to receive the certificate.

Core Courses -- 12 credit hours
ERM 203: Environmental Regulations (3)
ERM 401: Hazardous Waste Management (3)
ERM 406: Environmental Chemistry (3)
ERM 407: Occupational Hygiene (3)

Elective Courses -- 6 credit hours
ERM 3** Elective or ERM 4** Elective ( ERM 402 OR ERM 432 recommended) (6)
Please note - ERM 402 has a prerequisite of ERM 302.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate in hazardous materials and waste management is available to all ASU students in good standing, except those pursuing any program in environmental and resource management.

To add the certificate in hazardous materials and waste management, a student must hold, at minimum, junior status and have a minimum cumulative GPA of 2.00.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates with the skills gained in this certificate program are in high demand and can find work in industry, governmental management and regulatory agencies or in policymaking organizations.

Graduates are firmly grounded in the scientific, technical and legal problems facing hazardous waste managers in today's business climate. They are prepared to be waste, health and safety professionals in industrial settings such as manufacturing, mining, oil and gas or environmental engineering consulting firms. They also assure compliance with OSHA and EPA requirements in manufacturing operations, water and wastewater treatment facilities, or local governments. On the regulatory side, graduates work for agencies such as the U.S. Environmental Protection Agency or state and county departments of environmental quality.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/erm/
WANER 230
polyadvising@asu.edu
480-727-1874

## Health Care Policy and Delivery Certificate (NHHCPDCERT)

**Campus:** Downtown Phoenix

**Description:** The certificate program in health care policy and delivery provides students an overview of principles related to health systems, management and program oversight in health care settings.

The curriculum focuses on the business of medicine, administration, leadership and policy. Students have the option of selecting an internship course to enhance their application of core concepts.

Those who complete the program and earn the certificate have broadened and expanded their competitiveness for employment and postgraduate degree programs.

**Program Requirements:**
The certificate requires a total of 18 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.
In order to enroll in HCD 402 and complete the certificate, students must first complete either ECN 211, ECN 212 or HCD 201.

Required Courses -- 15 credit hours
HCD 302: Health Care Management (3)
HCD 330: Health Care Systems in the U.S. (3)
HCD 332: Population Health Policy and Legislation (3)
HCD 402: Health Economics (3)
HCD 403: Process Engineering (3)

Elective  -- 3 credit hours
HCD 404: Advanced Concepts in the Science of Health Care Delivery (3)
HCD 484: Internship (3)
MED 450: Leadership and Professionalism (3)
PAF 311: Leadership and Change (SB) (3)
PAF 460: Public Service Ethics (3)
PBH 422: Health Disparities and Access to Health (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: BS in health care administration and policy; BS in health sciences

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who combined the certificate in health care policy and delivery with their major program of study may be more marketable to employers. The certificate broadens understanding of the business side of U.S. health care systems for those intending to be health educators or medical practitioners in private practice.

Entry-level positions in the field include program or clinical administration, advocacy or quality improvement.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/NHHCPDCERT/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## Health Education Specialist Certificate (NHHEDSCERT)

**Campus:** Downtown Phoenix

**Description:** Health education and health promotion professionals fill a critical role as they teach individuals how to stay well by living healthy lifestyles. They also help mobilize communities to advocate for and create healthy environments and champion health equity through policy, advocacy and environmental change.

In this certificate program, students learn how to plan, implement, manage and evaluate health promotion programs that improve health outcomes and prevent chronic and infectious disease.

This certificate enables students to sit for the certified health education specialist exam through the National Commission for Health Education Credentialing (https://www.nchec.org/ (https://www.nchec.org/)). CHES is a globally recognized credential for health professionals. Having CHES

certification provides a competitive edge in the job market, and individuals who have earned the CHES credential can identify themselves as a certified health education specialist.

**Program Requirements:**
The certificate requires a total of 25 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.
In order to receive the certificate, students must complete their bachelor's degree at ASU along with all certificate requirements.

Required Courses -- 25 credit hours
CHS 340: Health Theory (3)
HEP 102: Foundations of Health Education and Health Promotion (3)
HEP 241: Health Education Methods for Injury Prevention and Preparedness (3)
HEP 251: Preventing HIV and Substance Misuse (3)
HEP 361: Digital Health Communication and Education (3)
HEP 452: Health Advocacy in Health Education (3)
HEP 454: Health Promotion Program Planning and Implementation (L) (3)
HEP 466: Health Promotion Program Management and Administration (3)
HEP 490: CHES Exam Preparation (1)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Employment of health educators is expected to grow much faster than the average for all professions, with the U.S. Department of Labor predicting a 17% increase in the field between 2020 and 2030. The need for quality health education specialists has never been more critical than it is today.

Health education specialists, also known as health educators, can work with nonprofit organizations, tribal nations, schools, hospitals, clinics, health departments, businesses and in the government.

Health education specialists could work at the CDC, American Heart Association, Army Wellness Centers, the American Red Cross or could join the Peace Corps.

Common job titles include community health educator, community outreach coordinator, wellness coordinator and prevention specialist.

Students who graduate from this program can hold an assortment of different jobs, such as lactation consultants, diabetes educators, cancer information specialists and grant writers.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/NHHEDSCERT/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## Health and Wellness Coach Certificate (NHHWCCERT)

**Campus:** Downtown Phoenix, West

**Description:** The health and wellness coach certificate program brings together coursework from the disciplines of exercise and wellness, nutrition, behavioral health and coaching psychology to give students a strong background, perspective and practical experience in the techniques and methods used to decrease and prevent chronic disease risks.

Students learn evidence-based behavior change methodologies and practice coaching communication skills and strategies to influence sustainable healthy lifestyles. They learn to guide people through meaningful lifestyle changes by using concepts that emphasize evidence-based coaching and

behavioral practices as well as motivational interviewing techniques.

Students work with clients using learned health coaching techniques, and they develop the knowledge and skills to work with people who require lifestyle management strategies to improve their well-being. Faculty monitor the coaching sessions to provide feedback on how students may improve their coaching skills, and a final practical skills evaluation is completed to assess a student's health and wellness coaching ability.

**Program Requirements:**
The certificate requires a total of 24 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course..

Required Courses -- 21 credit hours
CHS 340: Health Theory or NTR 350: Nutrition Counseling (3)
EXW 325: Fitness for Life or EXW 335: Physical Activity and Physiological Concepts (3)
EXW 344: Impact of Physical Activity on Health and Disease (L) (3)
HSC 355: Eating for Lifelong Health (SB) (3)
HSC 440: Health Coaching Concepts and Skills (3)
HSC 441: Applied Health Coaching Techniques (3)
NTR 241: Human Nutrition (3)

Elective Course -- 3 credit hours
EXW 400: Stress Management for Wellness (3)
EXW 446: Worksite Wellness (3)
HCR 303: Assessing Needs, Assets and Capacity for Health Education (3)
HCR 342: Mind-Body and Energy Therapies and Modalities (3)
HEP 241: Health Education Methods for Injury Prevention and Preparedness (3)
HEP 251: Preventing HIV and Substance Misuse (3)
HEP 303: Human Sexuality for Health Education (3)
HEP 350: Substance Use and Addictive Behaviors (3)
HEP 361: Digital Health Communication and Education (3)
HEP 371: Conflict Management and Mediation and Violence Prevention (3)
HEP 380: Body Image and Wellness (3)
HEP 410: Obesity Perspectives and Prescriptions (3)
HEP 443: Emotional Health and Interpersonal Relationships (3)
HSC 300: Complementary Health Care (3)
NTR 345: Development of Healthy Cuisines (3)
NTR 348: Cultural Aspects of Food (SB & C & G) (3)
NTR 360: Nutrition Entrepreneurship (3)
PSY 304: Effective Thinking (L) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Apply evidence-based health and wellness coaching competencies to build a coaching relationship, and guide clients through enriched support for self-awareness and self-discovery.
•Implement health and wellness evidence-based interventions and strategies to elicit positive changes in individuals within the general population.

**Career Opportunities:** Students can become more marketable and advance their career options with this undergraduate certificate in health and wellness coaching that complements their major program of study. The certificate also provides them an opportunity to seek a national certification path.

Career options include:

- coaches and scouts
- community health workers

- fitness and wellness coordinators
- health care support workers

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/NHHWCCERT/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## History and Philosophy of Science Certificate (LAHPSCERT)

**Campus:** Tempe

**Description:** The undergraduate certificate program in the history and philosophy of science is designed to give students an understanding of the traditional philosophical issues surrounding science and the historical development of concrete scientific theories and ideas.

Philosophical questions about how nature is understood through science and how scientific claims gain authority are enriched when they are considered in a historical context. Such philosophical and historical study also often includes the examination of contemporary sciences and their place within the larger society, including the study of bioethics, policy and law.

This certificate is a valuable addition for students in the sciences or humanities. It crosses disciplines to help students engage in unfamiliar and familiar paths of inquiry in new and interesting ways.

The program is offered by the School of Life Sciences.

**Program Requirements:**
The certificate requires 18 credit hours from the HPS and PHI subjects. At least 12 credit hours must be completed at the upper-division level and all courses counting toward the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours
PHI 314 / HPS 314: Philosophy of Science (HU) (3)

Electives (choose five) -- 15 credit hours
At least nine credit hours must be taken in upper-division HPS courses. Any upper-division HPS course may be used toward the certificate.
HPS Upper Division Elective (9)
PHI 103: Principles of Sound Reasoning (L or HU) (3)
PHI 310: Environmental Ethics (HU) (3)
PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)
PHI 320: Bioethics (HU) (3)
PHI 325: Philosophy of Social Science (HU or SB) (3)
PHI 328: History of Ancient Philosophy (HU & H) (3)
PHI 329: History of Modern Philosophy (HU & H) (3)
PHI 330: Theory of Knowledge (HU) (3)
PHI 331: Philosophy of Language (HU) (3)
PHI 332: Metaphysics (HU) (3)
PHI 333: Symbolic Logic (3)
PHI 334: Philosophy of Mind (HU) (3)
PHI 401: Rationalism (3)
PHI 402: Empiricism (HU) (3)
PHI 403: Contemporary Analytic Philosophy (HU) (3)
PHI 413: Advanced Symbolic Logic (3)
PHI 420: Topics in Philosophy (3)

Other elective options may be applied with the approval of an academic advisor in the School of Life Sciences.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate.

Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in the history and philosophy of science with their major program of study may become more marketable to employers. They often decide to pursue employment in biology, medicine, law or ethics.

Advanced degrees or certifications may be required for academic, governmental or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degrees/minorscertificates
LSA 189
sols.advising@asu.edu
480-727-6277

## Homeland Security Certificate (PPHSLCERT)

**Campus:** Downtown Phoenix, Online

**Description:** The 21 credit hour homeland security certificate program provides students with the skills and credentials they need in order to enter fields specializing in homeland security.

Students receive extended education in topics such as domestic and international terrorism, cyber-terrorism and advanced crime.

**Program Requirements:**
Required Courses -- 15 credit hours
CRJ 100: Introduction to Criminal Justice (SB) (3)
CRJ 201: Criminal Justice Crime Control Policies and Practices (3)
CRJ 412: International Terrorism (3)
CRJ 417: Cyber Terrorism (3)
CRJ 419: Domestic Terrorism (3)

Electives (choose two) -- 6 credit hours
CRJ 422: Violence in America (3)
CRJ 455: Police and International Terrorism (3)
CRJ 456: Etiology of Martyrdom (3)
CRJ 462: Gangs (3)
CRJ 463: White Collar Crime (3)
CRJ 464: Organized Crime (3)

A grade of "C" (2.00 on a 4.00 scale) or better is required for all coursework.
Bachelor of Science in criminology and criminal justice majors who are also pursuing the Homeland Security certificate may not use CRJ 412: International Terrorism, CRJ 417: Cyber Terrorism, CRJ 419: Domestic Terrorism, CRJ 422: Violence in America, CRJ 455: Police and International Terrorism, CRJ 456: Etiology of Martyrdom, CRJ 462: Gangs, CRJ 463: White Collar Crime, and CRJ 464: Organized Crime toward both their major and the certificate. These courses will only be used toward the certificate requirements.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** There are no additional admission requirements other than those required for admission to ASU.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/undergraduate-certificate-homeland-security/) for program descriptions and to request more information.

**Career Opportunities:** Graduates of the homeland security certificate program find a strong job market in the public and private sectors.

Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) including Department of Homeland Security, U.S. Customs and Border Protection, and local and state-level law enforcement departments. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
SCCJAdvising@asu.edu
602-496-1658

## Hospice and Palliative Care Certificate (NHHAPCCERT)

**Campus:** Downtown Phoenix

**Description:** The certificate program in hospice and palliative care provides future health and health care workers with the skills they need to lead and manage chronic and end-of-life care in a variety of settings, including home health care.

Students learn from interprofessional instructors who are involved in hospice and palliative care as physicians, social workers, nurses and bereavement counselors and who work with children and adults as well as meet with palliative care and hospice patients. Students receive specialized instruction on dementia and Alzheimer's disease and learn about how these contemporary issues are burdening our health care system under its current structure.

In addition, students have the opportunity to shadow health professionals and learn about their roles through field experience. Students finish their program of study by completing an internship at Hospice of the Valley, affording them the opportunity to help provide nonclinical care needs to patients and their families.

**Program Requirements:**
The certificate requires a total of 18 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course, with the exception of the MED 484 internship which is pass/fail.

Required Courses -- 12 credit hours
MED 325: Elements of Hospice and Palliative Care (3)
MED 375: Alzheimer's and Other Dementias (SB) (3)
MED 475: Palliative Care: Managing Complex Serious Illness (3)
MED 484: Internship (3)
Notes:  Directed by Dr. Gillian Hamilton at Hospice of the Valley. A minimum ASU cumulative GPA of 3.00 is required to enroll.

Electives -- 6 credit hours
HSC 410: Supporting the Health of Older Adults (3)
HSC 412: Health Issues in Later Life (3)
MED 445: Prevention and Management of Chronic Disease (3)
PSY 447: Psychology of Aging (SB) (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 418: Aging and the Life Course (SB & H) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This undergraduate certificate provides students with an in-depth experience in health care settings and specialized training in hospice and palliative care. Students who wish to continue on to medical school or professional school, such as dental, pharmacy, and optometry school, can use this certificate as an additional credential with their degree in their application process.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/NHHAPCCERT/undergrad/true/91465
HLTHN 4th floor
chs@asu.edu

602-496-3300

## Human Rights Certificate (LAHRTSCERT)

**Campus:** Tempe

**Description:** The certificate program in human rights provides students with interdisciplinary tools and perspectives from history, law, political science, sociology and philosophy that can serve as a framework for thinking broadly and critically about human rights issues. Coursework and experiential learning opportunities prepare students for work protecting human rights, including:

- children's rights
- environmental human rights
- immigrant's rights
- the right to education
- the right to health care
- the right to housing
- the right to water and energy justice
- personal integrity rights
- sexuality rights
- worker's rights
- women's rights

**Program Requirements:**
Students must complete 18 credit hours of qualifying coursework, of which at least 12 credit hours must be upper division. At least 12 credit hours must be completed at ASU. Each course must be completed with a minimum grade of "C" (2.00 on a 4.00 scale) or better.

Global Politics of Human Rights (select one) -- 3 credit hours
JUS 352: The Global Politics of Human Rights (SB & G) (3)
POS 368: Ethics and Human Rights (3)
POS 480: Global Justice (G) (3)

Human Rights Institutions and Organizations (select one) -- 3 credit hours
JUS 355: Human Rights Organizations and Institutions (G) (3)
POS 465: International Organization and Law (SB & G) (3)
SGS 321: International Institutions and Global Governance (3)

Interdisciplinary Component -- 9 credit hours
Upper Division Human Rights Electives (9)
Students select three electives on current issues in human rights. Courses must be taken from at least two of the substantive areas listed below and from two or more subjects. Other course options may be approved by an academic advisor in the School of Social Transformation.

Marginalization and Human Rights
AFR 301 / JUS 300: Race and Racism in Africa/African Diaspora (SB & G) (3)
AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)
AIS 455: Human Rights and Cultural Resource Laws (3)
APA 330 / WST 331: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)
HST 369 / JST 369: History and Memory of the Holocaust (3)
JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)
JUS 435: Cinema and Justice (3)
JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)
JUS 456: Human Rights and Sustainability ((L or SB) & G) (3)
JUS 468: Protest, Justice, Law and the Media (SB) (3)
POS 472: Constitutional Law II (SB) (3)
SGS 343 / REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)
SPA 494 / SLC 494: Latin American Photography and Human Rights (3)
WST 313: Women and Sexuality (SB & C) (3)
WST 345: Gender, Religion, and Global Violence (SB & G) (3)
WST 378: Global Feminist Theory (L & G) (3)
WST 477: Gender and Violence (SB & C) (3)

Social Stratification and Human Rights
AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H) (3)
AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) (3)
AFR 470: Women's International Human Rights (3)
APA 350 / JUS 365: Inequality and Diversity in Education (L & C) (3)

JUS 321: Wealth Distribution and Poverty (SB & C) (3)
JUS 325: Globalization and Socio-Economic Justice (SB & G) (3)
JUS 405: Inequality, Economy and Justice ((L or SB) & G) (3)
JUS 477: Youth and Justice (L or SB) (3)
POS 471: Constitutional Law I (SB) (3)
WST 365: Women and International Health (G) (3)

States and Conflict
AIS 494: American Indian Rights (3)
HST 370: Eastern Europe in Transition (SB & G & H) (3)
HST 436: Rise & Fall of Soviet Communism (SB & G & H) (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)
JUS 467: Terrorism, War, and Justice (SB) (3)
JUS 469: Political Deviance and the Law ((L or SB) & C) (3)
JUS 494: Torture, War and Human Rights (3)
LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) (3)
PHI 448: Justice and Reparations (3)
POS 305: Politics and Film (SB) (3)
POS 394: The Future of War (3)
REL 388: Religion, Ethics, and International Politics (3)
SGS 340: Violence, Conflict and Human Rights (3)
SGS 341: Humanitarian Crisis and International Intervention (3)
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)

Experiential Learning Component -- 3 credit hours
To better connect classroom learning with practical experience, students will be required to participate in either a for-credit internship with a human rights organization in the U.S. or abroad, or a Research Experience for Undergraduates (REU) under faculty supervision (honors thesis may substitute). A written component to the internship or REU is required.
JUS 484: Internship or JUS 498: Research Apprenticeship (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** In order to declare a certificate in human rights, students must first have a minimum of 30 earned credit hours.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Employ the core concepts and methods used in studying human rights in their written work.
- •Apply fundamental principles of human rights to research or community engagement.

**Career Opportunities:** Human rights training can lead to a rewarding and meaningful career path as well as a professional degree. The following list of career options is not exhaustive; each offers unique opportunities, requirements, strategies and tools for social change:

- human rights activism coordinator
- human rights advocacy officer
- human rights campaigner
- human rights educator
- human rights fundraising specialist
- human rights grant writer
- human rights lawyer or legal officer
- human rights policy analyst
- human rights program officer
- human rights researcher or research assistant

**Contact Information:**
Liberal Arts and Sciences, The College of

School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Indoor Farming Certificate (LSIFRMCERT)

**Campus:** Polytechnic

**Description:** The future of farming may be vertical and urban. That future is now, and the novel indoor farming certificate program trains students and working professionals who have interests in cultivating crops indoors using technology enhancements including precise environmental control of temperature and lighting, sustainable energy management, and optimal nutrient amendment to achieve significant improvements in crop productivity, resource consumption and environmental impact.

This certificate program provides specific training in indoor crop production and management, including production of clean fruits, vegetables and ornamental plants. Through classroom instruction and hands-on laboratories, students gain knowledge and skills related to plant physiology, indoor crop production systems and facility management, which are necessary for the emerging indoor farming industry.

**Program Requirements:**
This certificate requires a minimum of 15 credit hours, including at least nine upper-division credit hours. Six credit hours must be taken from courses offered by the College of Integrative Sciences and Arts. A grade of "C" (2.00 on a 4.00 scale) or better is required in all courses.

Required Courses -- 6 credit hours
ABS 365: Future of Agriculture: Vertical Farming (3)
ABS 369: Hydroponic Food Crop Production (3)

Elective Courses -- 9 credit hours
At least three credit hours of certificate electives must be from upper-division courses.
ABS 260: Fundamentals of Sustainable Horticulture (SG) (4)
ABS 314: Applied Plant Physiology (3)
ABS 368: Plant Propagation (3)
ABS 394: Food and Human Health (3)
ABS 414: Plant Pathology (L) (3)
ABS 462: Greenhouse/Nursery Management (4)
ABS 464: Desert Horticulture (3)
AGB 100: Introduction to Agribusiness (3)
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)
AGB 333: Agribusiness Finance (3)
AGB 425: Food Supply Networks (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Prior to adding the certificate, current ASU students are required to complete BIO 100 The Living World or BIO 181 General Biology I or BIO 182 General Biology II.

Nondegree-seeking students are required to have a BS degree.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. The certificate in indoor farming helps students become more marketable to employers when they have complemented their major program of study with this specialization.

Students who complete this undergraduate certificate along with their major often decide to pursue employment in nursery and greenhouse management, plant science, or farm and ranch management. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233

CISA@asu.edu
480-727-1526

# Informatics Certificate (ESCPICERT)

**Campus:** Tempe

**Description:** The certificate program in informatics teaches students to use computer technology to gather, synthesize, store, visualize and interpret information. These skills are critical to a broad range of disciplines.

This program provides students with an understanding of the capabilities and technologies of informatics as it applies to domain-specific problems in their field of study.

Graduates are able to understand and use methods for the basic computational principles behind the operation of communication, networking and interaction; decision-making and problem-solving; modeling, inference and visualization; representing, creating and running routine activities; and storing, indexing and retrieving information.

**Program Requirements:**
This certificate requires 21 credit hours of coursework, of which at least 12 must be upper division. Students complete 15 credit hours of required courses and select six credit hours of elective coursework. All courses must be passed with a "C" or better. At least 12 credit hours must be completed in residency at ASU.

Required Courses -- 15 credit hours
CPI 101: Introduction to Informatics (CS) (3)
CPI 200: Mathematical Foundations of Informatics (MA) (3)
CPI 220: Applied Data Structures and Algorithms or CSE 310: Data Structures and Algorithms (3)
Notes: CPI 220 is only offered in Fall semesters
CPI 350: Evaluation of Informatics Systems (3)
IEE 380: Probability and Statistics for Engineering Problem Solving (CS) or STP 420: Introductory Applied Statistics (CS) (3)

Elective Courses -- 6 credit hours
AME 394: Philosophies of Technology (3)
ART 345: Visualization and Prototyping (3)
ART 346: 3-D Computer Imaging and Animation (CS) (3)
ART 435: Foundry Research Methods (3)
BIO 355: Introduction to Computational Molecular Biology (CS) (3)
BIO 411: Quantitative Methods in Conservation and Ecology (4)
BMI 102: Introduction to Population Health Informatics (3)
BMI 201: Introduction to Clinical Informatics (3)
CIS 300: Web Design and Development (3)
CIS 308: Advanced Excel in Business (3)
CIS 310: Business Data Visualization (3)
CIS 405: Business Intelligence (3)
CIS 407: Business Database Systems Development (3)
CPI 310: Web-Based Information Management Systems (3)
CPI 360: Decision Making and Problem Solving (3)
CPI 394: Game Design Fundamentals (3)
CPI 394: Special Topics (3)
CPI 441: Gaming Capstone (3)
CPI 460: Intelligent Interactive Instructional Systems (3)
CPI 484: Internship (3)
Notes: with advisor approval
CPI 494: Special Topics (3)
Notes: with advisor approval
CSE 220: Programming for Computer Engineering (3)
CSE 240: Introduction to Programming Languages (3)
CSE 259: Logic in Computer Science (3)
CSE 294: Algorithmic Problem Solving (3)
CSE 310: Data Structures and Algorithms (3)
CSE 335: Principles of Mobile Application Development (3)
CSE 340: Principles of Programming Languages (3)
CSE 355: Introduction to Theoretical Computer Science (3)
CSE 360: Introduction to Software Engineering (3)
CSE 365: Information Assurance (3)
CSE 394: Special Topics (3)

Notes:  with advisor approval
CSE 408: Multimedia Information Systems (3)
CSE 412: Database Management (3)
CSE 445: Distributed Software Development (3)
CSE 446: Software Integration and Engineering (3)
CSE 450: Design and Analysis of Algorithms (3)
CSE 460: Software Analysis and Design (3)
CSE 464: Software Quality Assurance and Testing (3)
CSE 467: Data and Information Security (3)
CSE 470: Computer Graphics (3)
CSE 471: Introduction to Artificial Intelligence (3)
CSE 475: Foundations of Machine Learning (3)
CSE 476: Introduction to Natural Language Processing (3)
CSE 477: Introduction to Computer-Aided Geometric Design (3)
DAT 250: Data Science and Society (3)
DAT 300: Mathematical Tools for Data Science (3)
DAT 301: Exploring Data in R and Python (4)
DAT 401: Statistical Modeling and Inference for Data Science (3)
DAT 402: Machine Learning for Data Science (3)
EDT 440: Creating and Marketing Mobile Apps (3)
ENG 374: Technical Editing (3)
FMS 365: Video Games and Narrative (3)
FSE 301: Entrepreneurship and Value Creation (3)
FSE 404: EPICS Gold: EPICS in Action (3)
GIT 135: Graphic Communications (3)
GIT 215: Introduction to Web Authoring (3)
GIT 230: Digital Illustration in Publishing (3)
GIT 335: Computer Systems Technology (3)
GIT 340: Information Design and Usability (3)
GRA 294: InDesign  (3)
GRA 294: Photoshop  (3)
HSE 101: Introduction to Human Systems Engineering (SB) (3)
IEE 380: Probability and Statistics for Engineering Problem Solving (CS) (3)
MAT 267: Calculus for Engineers III (MA) (3)
MAT 275: Modern Differential Equations (MA) (3)
MAT 300: Mathematical Structures (L) (3)
MAT 421: Applied Computational Methods (CS) (3)
SER 216: Software Enterprise: Personal Process and Quality (3)
SER 334: Operating Systems and System Programming (3)
SOC 334: Technology and Society (L or SB) (3)
SOS 424: Dynamic Modeling in Social and Ecological Systems (4)
STS 304: Science, Technology and Society (SB) (3)
STS 306: Social Effects of Science and Technology (SB) (3)
TEL 313: Technology in an Educational Setting (3)
TWC 414: Visualizing Data and Information (3)
TWC 444: User Experience (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** ASU degree-seeking students
The undergraduate certificate in informatics is available to all students who are in good standing at ASU who have completed CSE 205, MAT 242 and MAT 243 with a "C" grade or better. This certificate also may be used by interdisciplinary studies BA students as part of their degree program.

Nondegree-seeking students
This certificate is also available through the Pathways for the Future program (https://pff.asu.edu/). Applicants with or without a bachelor's degree are eligible to apply for and receive this certificate through the Pathways for the Futures program. Applicants must have completed CSE 205, MAT 242 and MAT 243, or the equivalents, with a "C" grade or higher (scale is 4.00 = "A"). Applicants who have taken these courses at another institution should use the Transfer Guide course search (https://webapp4.asu.edu/transfercreditguide/app/home) to determine if a transfer course can fulfill the prerequisite course requirements. Applicants who already hold a bachelor's degree should apply to ASU and this certificate program as a nondegree-seeking graduate student.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Use computational principles for information-based decision-making and problem solving.

•Apply computational principles to the operation of storing, indexing and retrieving information in informatics applications.

**Career Opportunities:** Graduates with this certificate should be in high demand within the software industry and in government, education, science, medicine and other fields that make use of computer technology. Those with the applied and user-oriented focus of the certificate are attractive to such employers.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computing and Informatics Program
https://scai.engineering.asu.edu/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Innovation for Impact Certificate (FIIFICERT)

**Campus:** Tempe

**Description:** The innovation for impact certificate program enables students to cultivate the knowledge, skills and critical dispositions necessary to leverage the power of innovation and achieve personally meaningful and socially significant impact. The program is grounded in the belief that each person can do great things.

Students learn tools and concepts for synthesizing research from courses across disciplines in social sciences, humanities, natural sciences and engineering. They identify a problematic condition or aspirational future and work with peers, mentors and the community to produce innovations that cultivate a better future for society.

**Program Requirements:**
Required Courses -- 15 credit hours
FIS 201: Innovation in Society (H) (3)
FIS 305: Ways of Knowing (L) (3)
FIS 307: Navigating Futures (SB) (3)
FIS 371: Innovation for Impact: Impact Journey (1)
FIS 372: Innovation for Impact: Inquiry Journey (1)
FIS 373: Innovation for Impact: Innovation Journey (1)
FIS 481: Innovation for Impact: Application Journey (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Advising is not required, but students are encouraged to speak with an advisor by scheduling an appointment through the College of Global Futures advising website (https://collegeofglobalfutures.asu.edu/student-life/advising/undergraduate-advising/).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Think critically about innovation and the relationship between changes in technology and society, as well as demonstrate knowledge of the influences, origins, histories, values and risks across innovation systems.

•Apply foresight methods to analyze emerging trends and plausible futures, as well as demonstrate the ability to participate as a team member on an inquiry project and manage stakeholder alignment and ecosystem integration.

**Career Opportunities:** Completing this certificate program can help students bring about positive change and innovation in many environments. The unique knowledge and skills gained from this transdisciplinary program enhance a student's bachelor's degree and career prospects. The certificate can complement any career path in a variety of sectors, including business, technology, science, education or government.

**Contact Information:**

Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/undergrad/cert/
WCPH 400LT
cgfadvising@asu.edu
480-727-6963

## Interdisciplinary Health Humanities Certificate (LAIHHUCERT)

**Campus:** Tempe, West

**Description:** The certificate program in interdisciplinary health humanities brings humanities methodologies to analyses of health and medicine in order to address challenges in health policy and health care practice and to advance understandings of the cultural formations of health, illness and the body.

The curriculum includes courses in areas such as history of medicine, bioethics, disability studies, socio-cultural aspects of health and narrative medicine. It includes critical analyses of representations of health and illness in literature and other media as well as training in narrative and structural competency for health care professionals. A capstone course, internship or applied project offers experiential or project-based learning in this field.

**Program Requirements:**
The interdisciplinary health humanities certificate requires a total of 15 credit hours. A minimum of 12 upper-division credit hours are required, with at least nine of those credit hours taken in courses offered by The College of Liberal Arts and Sciences for students on the Tempe campus, or by the School of Humanities, Arts and Cultural Studies in the New College of Interdisciplinary Arts and Sciences on the West campus.
All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Interdisciplinary Health Humanities Core -- 6 credit hours
ENG 203: Introduction to Health Humanities (HU) (3)
Notes:  available on the Tempe and West campuses
ENG 484: Internship  or ENG 498: Pro-Seminar (L) or ENG 499: Individualized Instruction (3)

Electives (select three) -- 9 credit hours
AFR 383: Blacks in Science, Medicine and Public Health (3)
ASB 301: Global History of Health (SB & G & H) (3)
ASB 305: Poverty and Global Health ((L or SB) & G) (3)
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)
ASB 355: Traditional Medicine and Healing (HU or SB) (3)
BIO 312 / IAS 340 / PHI 320: Bioethics (HU) (3)
BIO 315 / ENG 370: Science, Values, and the Public (3)
ENG 469: Science and Literature  (3)
FIS 498: Stem Cell Policy Research  (3)
FOR 406 / IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing (3)
HPS 314 / PHI 314: Philosophy of Science (HU) (3)
HPS 331 / BIO 318: History of Medicine (HU & H) (3)
LSC 363: Genes, Race, Gender, and Society (L) (3)
MED 300: Historical and Contemporary Issues in Health (L) (3)
PHI 306: Applied Ethics (HU) (3)
REL 381: Religion and Moral Issues (L or HU) (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 448: Epidemics and Society (SB & G) (3)
TCL 323: Latina/o Health Issues (SB & C) (3)
TCL 410: Race, Medicine, and the Body (L) (3)
WST 444: Gender, Health, and Bodies (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.
Some elective courses may be available only on the Tempe campus or the West campus.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students become more marketable and can advance their career options when they have complemented their major with

this methodological specialization in interdisciplinary health humanities.

Students who complete this undergraduate certificate often decide to pursue employment in the health professions. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## International Business Studies Certificate (BAIBSCERT)

**Campus:** Tempe

**Description:** The certificate program in international business studies is designed to help students develop competence in a foreign language and a sensitivity to foreign cultures. It provides an awareness of global social processes and an understanding of international business environments, principles and operations.

The W. P. Carey School of Business has partnerships with universities all over the world, so students can experience new cultures, visit new places and build intercultural and language skills. International internships also are offered in conjunction with the ASU Global Education Office.

**Program Requirements:**
This certificate program requires a minimum of 18 credit hours (at least 12 credit hours must be upper division). All business coursework must be completed through the W. P. Carey School of Business or through an approved ASU international study program.
Only courses in which a student receives a grade of "C" (2.00 on a 4.00 scale) or better may be used to meet the certificate requirements, and an overall certificate GPA of at least 2.50 must be earned.

Students must meet all course prerequisites and requirements as listed in the ASU catalog. Requirements must be met within one year after degree conferral date.

International Business Core Course -- 3 credit hours
MGT 302: Principles of International Business (G) or ECN 306: Survey of International Economics (SB & G) (3)

A. International Business Electives -- 6 credit hours
AGB 302: International Management and Agribusiness (G) (3)
ECN 306: Survey of International Economics (SB & G) (3)
ECN 331: Economics of the European Economic Union (SB & G) (3)
ECN 335: South Asia and the World Economy (SB & G) (3)
ECN 360: Economic Development (SB & G) (3)
ECN 365: Economics of Russia and Eastern Europe (SB & G) (3)
ECN 436: International Trade Theory (SB & G) (3)
ECN 438: International Monetary Economics (SB & G) (3)
FIN 456: International Financial Management (G) (3)
MGT 302: Principles of International Business (G) (3)
MGT 400: Cross-Cultural Management (C & G) (3)
MGT 425: Global Human Resources (3)
MGT 459: International Management (G) (3)
MKT 425: Global Marketing Management (G) (3)
SCM 463: Global Supply Chain Management (G) (3)
*300+ level WPC subject courses earned on a sponsored ASU study abroad program may be applied toward the elective area, per approval of the international programs coordinator. Courses applied toward the W. P. Carey business core cannot be used toward the elective area.

B. Nonbusiness Global Awareness Coursework -- 9 credit hours
Nonbusiness Global Awareness Coursework (9)
Notes: These hours may be satisfied by any combination of the following:
1. Students can choose any of the university-designated nonbusiness global awareness ("G") courses.
2. One course must be upper division to meet the 12 upper-division hours requirement.
3. It is recommended to choose courses related to the area of study abroad experience. Additional courses may be approved by the international program coordinator.
4. Nonbusiness global awareness hours may also be satisfied by:
* An ASU or W. P. Carey School of Business education abroad program earning six credit hours or more fulfills six of the credit hours of nonbusiness global requirements.

* An ASU or W. P. Carey School of Business education abroad program earning three credit hours fulfills three of the credit hours of nonbusiness global requirements.

C. Foreign Language Proficiency
The certificate program requires students to meet a foreign language proficiency by meeting one of the the following:
- Completion of one year (two semesters) of the same foreign language at the college level.
- Completion of one semester of the equivalent of 101- and 102-level coursework.
- Completion of two years of the same foreign language in high school with a minimum grade of "C" (2.00 on a 4.00 scale).
- Documentation of a proficiency or placement test confirming preparedness to start at least the second year of a foreign language (201 level or above).
- A student whose native language is not English may have this requirement waived.

D. International Study Experience
The certificate program requires students to participate in an ASU Global Education Office sponsored program. Students cannot use independent non-sponsored programs to fulfill this requirement. Sponsored programs can be found on the Global Education Office website.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. The certificate in international business allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Students who complete this undergraduate certificate often decide to pursue employment in management, sales, marketing and communication. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/
BA 160
wpcglobalprograms@asu.edu
480-965-4227

## International Cinema Certificate (LAICINCERT)

**Campus:** Tempe

**Description:** The power of international cinema lies in its ability to underscore national differences and engage diverse viewpoints.

The certificate program in international cinema provides undergraduates with the means to explore and understand the role that international film plays in highlighting cultural diversity; reflecting the sociocultural, political and economic currents of the period and cultural setting depicted; and calling into question an accepted idea of the dominance of Hollywood film.

Following an integrated pathway through the variety of international film courses, the program explores facets of international film history and production not often covered by American programs in film studies. Students majoring in a second language can explore a particular culture's filmic heritage and traverse avenues for comparative analysis between the filmic heritage of two or more cultures. Students majoring in other areas can encounter visual narratives different from their own and connect international cinema to their own respective experiences.

**Program Requirements:**
The certificate requires 18 credit hours of upper-division coursework. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Core Course -- 3 credit hours
SLC 340: Approaches to International Cinema (HU & G) (3)

Electives (choose five) -- 15 credit hours
CHI 345: Chinese Film and Civilization (3)
FMP 404: World Cinema (G) (3)
FMS 426: Films of India (3)
FMS 427: Identity and World Film (C) (3)
FMS 430: Artists in Film: Artists' Biopics (3)
FMS 441: Global Cinema (3)
GER 445 / FMS 445 / SLC 445: Holocaust, War and German Memory (HU) (3)
GER 446 / FMS 446 / SLC 446: Weimar-Era German Film (3)
HEB 349: Israeli Wars in Israeli Movies (HU & G) (3)
ITA 420: Italian Cinema (L & G) (3)
KOR 347: Korean Film and Literature (HU) (3)
SLC 423: Italian Organized Crime in Films and History ((L or HU) & G) (3)
SLC 440 / FMS 461: Approaches to Film Theory (3)
SLC 450: Experimental Narrative (HU) (3)
SLC 494: Narrative and Embodiment in Cinema (3)
SPA 475: Latin American Film ((L or HU) & G) (3)
SPA 494: Film & Culture of Mexico (3)
THE 422: Latinx Theatre and Film (HU & C) (3)
Additional upper-division elective courses may be approved by the coordinator of the certificate program.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** ASU students in sophomore standing or above with a GPA of at least 2.50 in any degree program are eligible for the international cinema certificate program. Admission to the certificate program is approved by the certificate coordinator in consultation with advisors.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in international cinema with their major program of study may be more marketable to employers. They often decide to pursue employment in education, tourism or the arts and humanities.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-international-cinema
DH 131
silcadvising@asu.edu
480-965-6281

## International Studies Certificate (LAINSCERT)

**Campus:** Tempe

**Description:** Students completing the international studies certificate develop a sophisticated understanding of some of the major issues and trends facing the world today. Courses examine relations among nations, including America's role in the world; key international concerns such as human rights; and the internal politics of specific nations or regions.

The certificate is not a substitute for degree requirements in any subject, including political science. Rather, the required courses add an international and comparative dimension to the student's chosen major.

**Program Requirements:**
The certificate in international studies is comprised of 15 credit hours in political science and global studies. At least 12 credit hours must be in upper-division coursework and at least six of those credit hours must be from courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses used toward the certificate.

Foundations for International Studies (choose one course) -- 3 credit hours
POS 150: Comparative Government (SB & G) (3)
POS 160: Global Politics (SB & G) (3)

The U.S. in the World (choose one course) -- 3 credit hours
POS 361: American Foreign Policy (SB & G) (3)

POS 364: National Security, Intelligence, and Terrorism (SB) (3)

Contemporary Issues in International Studies (choose two courses) -- 6 credit hours
POS 300: Contemporary Global Controversies (SB & G) (3)
POS 368: Ethics and Human Rights (3)
POS 465: International Organization and Law (SB & G) (3)
POS 467: International Security (SB & G) (3)
POS 486: International Political Economy (SB & G) (3)
SGS 301: Principles of Global Studies (G) (3)
SGS 303: Global Trends (SB & G) (3)
SGS 324: Global Trade in Real Time (3)
SGS 350: Economic Development and Globalization (3)
SGS 361: World Society: Imagining the World (3)
SGS 370: Geopolitics (3)

Regional or Topical Exploration (choose one course) -- 3 credit hours
POS 350: Comparative Politics (SB & G) (3)
POS 351: Democratization (SB & G) (3)
POS 352: European Democracies (3)
POS 353: Comparative Politics of the Middle East (3)
POS 356: European Union (SB & G) (3)
POS 357: South Asia Politics (SB & G) (3)
POS 358: Southeast Asia (SB & G) (3)
POS 359: African Politics and Society (SB & G) (3)
POS 360: World Politics (SB & G) (3)
POS 365: Terrorism and Insurgency (3)
POS 379: The Resource Curse (3)
POS 452: China (SB & G) (3)
POS 453: Latin America (SB & G) (3)
POS 454: Mexico (SB & G) (3)
POS 468: Comparative Asian Foreign Policies (SB & G) (3)
SGS 360: Cultural Aspects of Globalization (3)

Only one of POS 160 Global Politics and POS 360 World Politics courses may apply to the certificate.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in international studies with their major program of study may become more marketable to employers. They often decide to pursue employment in diplomacy and international relations, national security or international business.

The international studies certificate program prepares students for careers in government agencies, international governmental and nongovernmental organizations, multinational firms and banks and for graduate studies in international relations and political science.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/
COOR 6797
spgs-ugadvising@asu.edu
480-965-8563

## International Trade Certificate (TBINTRCERT)

**Campus:** Downtown Phoenix, West

**Description:** International trade is increasingly important in this globalized economy but also increasingly challenging. The International Monetary Fund predicts that most of the world's economic growth in the next decade will take place in the largest emerging markets which are not always easy for companies and nonprofit organizations to penetrate. Most of the world's consumers are outside of the United States. Given these trends, organizations across sectors that operate in multiple countries are increasingly in need of managers who understand the complexities of the global economy.

The undergraduate certificate program in international trade provides students with an understanding of foreign markets and the intricacies of international trade, laying the foundation for a career that can take them anywhere in the world.

Thunderbird School of Global Management has produced unique leaders for more than 70 years, leaders in every sector capable of tackling the world's greatest challenges. Home to the BGM and BS in international trade, the school's innovative and practical curriculum complements a strong core of global business management skills, international political economy and cross-cultural training, with a transdisciplinary approach. The alumni network has over 45,000 graduates across 170 chapters around the globe.

**Program Requirements:**
The certificate in international trade requires 18 credit hours as outlined below, with a minimum of 12 upper-division credits. Students are encouraged to take courses that develop breadth within their sector rather than limiting their selection to courses in one particular subject area.

Required Courses -- 6 credit hours
TGM 101: Principles of Global Management (G) (3)
TGM 430: International Trade and Regional Economic Agreements (3)
It  is recommended that students take TGM 101 prior to or concurrently with other TGM courses.

Electives -- 12 credit hours
TGM 204: Principles of Marketing for Global Organizations (3)
TGM 300: Principles of Finance for Global Organizations (3)
TGM 310: Supply Chain Operations for Global Organizations (3)
TGM 312: Big Data in the Global Economy (3)
TGM 353: Regional Management Environment (G) (3)
TGM 460: Global Risk Assessment and Management (3)
TGM 468: States and Markets in a Global Economy (SB & G) (3)
TGM 478: Cross-Cultural Communication and Negotiation (3)
TGM 489: Multinational Organizational Leadership (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.
Study abroad or international experience is encouraged but not required. Consider ASU Global Education Office opportunities.

**Enrollment Requirements:** Incompatible Majors: BGM in global management and BS in international trade

No more than six credit hours may be shared between certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrate enhanced ability to think analytically in a global context.
- •Demonstrate in-depth knowledge of at least one region of the world.
- •Demonstrate enhanced knowledge of International Trade.

**Career Opportunities:** Graduates who combined the certificate in international trade with their major program of study may be more marketable to employers. They often decide to pursue employment in corporations, governments and nonprofits in positions such as global logistics manager, import and export agent, or international compliance manager.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Global Management, Thunderbird School of

Thunderbird School of Global Management
https://thunderbird.asu.edu
FAB N290
ugadvising@thunderbird.asu.edu
602-543-0029

## Islamic Studies Certificate (LAISLCERT)

**Campus:** Tempe

**Description:** Islam, the fastest growing religion in the world, plays an increasingly significant role in shaping international politics, culture, law and business. The certificate in Islamic studies allows students to gain an appreciation of Islam's multiculturalism and contemporary relevance in multiple disciplines and geographic settings.

**Program Requirements:**
The certificate in Islamic studies requires a minimum of 26 credit hours. At least 12 upper-division hours are required. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required in each course used toward the certificate.

Core -- 9 credit hours
HST 260 / REL 260: Introduction to Islam (HU & G) (3)
HST 336 / REL 365: Islamic Civilization (HU & H) (3)
HST 339 / REL 366: Islam in the Modern World (HU & G) (3)

Language Requirement -- 8 credit hours
Students must take a minimum of eight credit hours in the same language: either Arabic or Indonesian, or other appropriate languages, such as Farsi, Tatar, or Uzbek. Students who are native speakers of these languages or other Islamic languages, or who have other equivalent knowledge may substitute eight credit hours of additional coursework selected from the list of approved electives. See program coordinator.
ARB 101: Elementary Arabic I (G) (5)
ARB 102: Elementary Arabic II (G) (5)
ARB 201: Intermediate Arabic I (G) (5)
ARB 202: Intermediate Arabic II (G) (5)
ARB 311: Advanced Arabic Skills I (3)
ARB 321: Arabic Conversation I (3)
ARB 411: Advanced Arabic Skills II (G) (3)
ARB 421: Arabic Conversation II (3)
IDN 101: Elementary Indonesian I (5)
IDN 102: Elementary Indonesian II (5)
IDN 201: Intermediate Indonesian I (G) (5)
IDN 202: Intermediate Indonesian II (G) (5)

Elective Courses -- 9 credit hours
Students must choose electives that represent at least two of three geographic regions. The available geographic regions are Africa and the Middle East, America and Europe, and Asia. No more than one course from the "non-geographic" list may apply toward the certificate. It is recommended that students work with an academic advisor in the School of Historical, Philosophical and Religious Studies to select appropriate elective courses.

Africa and the Middle East
AFR 300 / ASB 310: Precolonial Africa (SB & G & H) (3)
AFR 340: The Making of Modern Africa (SB & G & H) (3)
AFR 466 / ASB 466: Peoples and Cultures of Africa (SB & G) (3)
ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 337: Hadith and Prophetic Tradition (HU & H & G) (3)
ARB 341: Quran Text and Women (HU & H) (3)
ARB 351: Classical Arabic Literature (HU & G) (3)
ARB 352: Modern Arabic Literature in Translation (HU & G) (3)
ARB 394: Arabic Film and Media (3)
ARB 394: Arabic Sociolinguistics (3)
ARB 394: Iraqi Culture & Society (3)
ARB 427: Arabic Prose: Reading the Arabian Nights (3)
ARB 428 / SLC 428: Arab Women's Writing (HU & G) (3)
ASB 366 / AFR 366: African Archaeology: Precolonial Urban Culture (SB & H) (3)
GCU 328: Geography of Middle East and North Africa (SB & G) (3)
HST 307: Studies in African History (3)
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)

HST 372: Modern Middle East (SB & G & H) (3)
HST 430: The Ottoman Empire in the Classical Period (3)
POS 353: Comparative Politics of the Middle East (3)
POS 359: African Politics and Society (SB & G) (3)
REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)
REL 369: Women in Islam (3)
REL 461 / AFR 480 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)

America and Europe
GCU 426: Geography of Russia and Surroundings (SB & G) (3)
REL 310: Western Religious Traditions (HU & H) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 377: Religion in Russia (HU & H) (3)
SGS 394: The Kosovo War (3)
SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU) (3)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) (3)

Asia
ASB 325: Peoples of Southeast Asia (G) (3)
GCU 326: Geography of Asia (SB & G) (3)
GCU 433: Geography of Southeast Asia (3)
HST 106: Asian Civilizations ((HU or SB) & G & H) (3)
HST 111 / REL 111: Introduction to Asia (HU & H & G) (3)
HST 240 / GCU 240 / POS 240 / REL 240 / SGS 240: Introduction to Southeast Asia ((HU or SB) & G) (3)
HST 245 / POS 245 / REL 245 / SGS 245 / SLC 245: Introduction to India and South Asia (HU & H & G) (3)
HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)
HST 392: Modern India (3)
HST 394: Pakistan, India, and Afghanistan: Peace Challenges (3)
REL 347: Religions of India ((L or HU) & G) (3)
REL 348: Religion and Culture in Southeast Asia (3)
REL 364: Islam in Eurasia and Central Asia (3)

Non-geographic
ARB 336: Introduction to the Qur'an (G) (3)
ARB 360: Islamic Philosophical Literature (3)
ARS 394: Islamic Art (3)
HST 302: Gender and Sexuality in Islam (3)
HST 302 / JST 302: Jews, Christians & Muslims in Early Modern World (3)
HST 302 / JST 302: Jews, Christians & Muslims in the Medieval World (3)
HST 302: Women, War and Peace (3)
POS 364: National Security, Intelligence, and Terrorism (SB) (3)
REL 205: Life, Sex and Death (HU) (3)
REL 363 / AFR 373: Islam and World Affairs (G) (3)
REL 378 / POS 378: Religion, War and Peace (L) (3)
REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)
REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)
REL 460: Islam and Politics (HU & G) (3)
REL 480 / SGS 441: Religion and Global Politics (L & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** There are no specific admission requirements other than a student's desire to learn about Islam and Islamic societies and culture.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Will be able to analyze an academic issue in Islamic studies.

•Will be able to compose a critical argument about an academic issue related to Islamic studies.
•Identify and summarize important features of the major periods of Islamic civilization from the seventh century to the present.

**Career Opportunities:** The program is designed to prepare students for graduate programs in religious studies, Islamic studies and area studies, and for any academic discipline or career that focuses on the global Muslim society.

Students who have complemented their major program of study with this specialization in Islamic studies may become more marketable to employers. Often, those who complete this undergraduate certificate decide to pursue employment in law, international law, business, journalism, international relations, diplomacy and the intelligence service. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Jewish Studies Certificate (LAJUDCERT)

**Campus:** Tempe

**Description:** The Jewish studies certificate program examines the history and culture of the Jews, generates and facilitates research on Judaica, and provides a model for transdisciplinary teaching and research. The certificate program provides the community with programs, courses and research to further the understanding of Judaica and stands as an example of the university's commitment to a program of meaningful ethnic studies on a firm academic base.

**Program Requirements:**
The certificate in Jewish studies requires a minimum of 21 credit hours in approved coursework. At least 12 upper-division hours are required. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required in each course used toward the certificate.

Language Requirement -- 6 credit hours
Students must complete two semesters of the same language (6-10 credit hours).
ARB 101: Elementary Arabic I (G) AND ARB 102: Elementary Arabic II (G) (10)
GER 101: Elementary German I (G) AND GER 102: Elementary German II (G) (8)
HEB 101  AND HEB 102: Elementary Modern Hebrew (G) (8)
HEB 133 / JST 133 / REL 133: Elementary Biblical Hebrew (G) AND HEB 233 / JST 233 / REL 233: Intermediate Biblical Hebrew (G) (6)
SPA 101: Elementary Spanish I (G) AND SPA 102: Elementary Spanish II (G) (8)

Thematic Track Electives (choose three courses) -- 9 credit hours
Students choose one course in three of five thematic tracks. Available tracks include history, humanities, literature, religious studies and social studies. At least six credit hours must be upper-division coursework. (9)

History
HEB 375: Contemporary Culture of Israel (HU & G) (3)
HST 302: Jews, Christians & Muslims in Early Modern World  (3)
HST 302: Jews, Christians & Muslims in the Medieval World  (3)
HST 304: Exiles, Migrants, Refugees in Jewish History  (3)
HST 304: History of Antisemitism  (3)
HST 304: Jews and Christians in the Middle Ages  (3)
HST 304: Nazi Germany  (3)
HST 304: Rebirth of European Jewish Life after 1950  (3)
HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)
HST 372: Modern Middle East (SB & G & H) (3)
HST 436: Rise & Fall of Soviet Communism (SB & G & H) (3)
JST 210 / REL 210: Introduction to Judaism (HU & H) (3)
JST 211 / HST 211 / REL 211: Jews and Judaism in America (SB & H & C) (3)
JST 230 / HST 230 / REL 230: Introduction to Jewish Civilization (HU & H & G) (3)
JST 302: Studies in History  (3)
JST 304: Studies in European History  (3)
JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)
JST 315 / REL 315: Hebrew Bible (Old Testament) ((L or HU) & H) (3)

JST 347 / ENG 347 / HEB 347 / SLC 347: Modern Israeli Literature in Translation (HU & G) (3)
JST 369 / HST 369 / REL 312: History and Memory of the Holocaust (3)
JST 460 / HST 460: World War II (HU & H & G) (3)
JST 491: History of Antisemitism (3)
REL 410: Judaism in Modern Times (HU & H) (3)

Humanities
ENG 333: American Jewish Literature during the Cold War (3)
ENG 356: The Bible as Literature (HU) (3)
JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)
JST 315 / REL 315: Hebrew Bible (Old Testament) ((L or HU) & H) (3)
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)
JST 318 / REL 318: Contemporary American Jewish Identities ((HU or SB) & C) (3)
JST 346 / FMS 349 / HEB 349: Israeli Wars in Israeli Movies (HU & G) (3)
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)
JST 349 / HPS 349 / REL 349 / SOS 349: Nature, Sustainability and Religion (3)
JST 445 / FMS 445 / GER 445 / SLC 445: Holocaust, War and German Memory (HU) (3)
JST 459 / SLC 459 / SPA 459: Latin American Jewish Culture (3)
JST 496: Biblical Narratives: Literary Approaches (3)
REL 313: Anti-Semitism in the Media (3)
REL 410: Judaism in Modern Times (HU & H) (3)
SLC 320: Compassion: A Dialogue Between the Humanities, the Sciences and the Arts (HU) (3)

Literature
ENG 333: American Jewish Literature during the Cold War (3)
ENG 356: The Bible as Literature (HU) (3)
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)
JST 347 / ENG 347 / HEB 347 / SLC 347: Modern Israeli Literature in Translation (HU & G) (3)
JST 411 / HEB 411 / REL 411: Judaism and the Beginnings of Christianity (HU & H) (3)
JST 459 / SLC 459 / SPA 459: Latin American Jewish Culture (3)
JST 496: Biblical Narratives: Literary Approaches (3)

Religious Studies
JST 210 / REL 210: Introduction to Judaism (HU & H) (3)
JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)
JST 318 / REL 318: Contemporary American Jewish Identities ((HU or SB) & C) (3)
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)
JST 369 / HST 369 / REL 312: History and Memory of the Holocaust (3)
JST 491: History of Antisemitism (3)
JST 495: Judaism, Science and World Religions (3)
JST 496: Biblical Narratives: Literary Approaches (3)
REL 207: Ritual, Symbol, and Myth (L or HU) (3)
REL 310: Western Religious Traditions (HU & H) (3)
REL 313: Anti-Semitism in the Media (3)
REL 385: Contemporary Western Religious Thought (HU) (3)

Social Studies
HST 358: Jewish History from Antiquity to 1492 (SB & H) (3)
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)
HST 372: Modern Middle East (SB & G & H) (3)
JST 211 / HST 211 / REL 211: Jews and Judaism in America (SB & H & C) (3)
JST 318 / REL 318: Contemporary American Jewish Identities ((HU or SB) & C) (3)
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
STS 364: Science, Technology, and National Security (SB) (3)

Upper-Division Electives -- 6 credit hours
Students choose upper-division electives from any of the thematic track course lists (the electives may be from any combination of thematic tracks).

Upper Division Certificate Electives (6)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Incompatible Majors: BA in Jewish studies

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students become more marketable to employers when they complement their major program of study with an undergraduate certificate.

Through a certificate in Jewish studies, students gain a familiarity of Jewish culture which gives them a competitive edge when they pursue a career with one of the hundreds of U.S. companies that do business in Israel.

These students are also prepared to:

- attend rabbinic seminary in preparation for becoming a rabbi or chaplain
- engage in world political and economic issues
- pursue advanced education in Jewish professional service fields

The certificate also provides a foundation for students who wish to pursue advanced degrees or careers related to their area of interest in fields that may include archeology, history, justice studies, journalism, law and international relations. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Juvenile Justice Certificate (PPJVJUCERT)

**Campus:** Downtown Phoenix, Online

**Description:** The curriculum of the juvenile justice certificate program covers key topics focused on juvenile justice and delinquency, including theoretical perspectives on why youth engage in delinquent acts; life-course criminology and how key turning points in life impact trajectories of youth; the number of youth who engage in delinquency who have a prior history of victimization; and juvenile justice and how the criminal justice system, including police, courts and correctional agencies, respond to youth.

**Program Requirements:**
Required Core -- 9 credit hours
CRJ 204: Juvenile Justice (3)
CRJ 404: Juvenile Delinquency (3)
CRJ 425: Life-Course Criminology (3)

Electives (choose two) -- 6 credit hours
CDE 312 / SOC 312: Adolescence (SB) (3)
CDE 450: Childhood Disorders and Family Functioning (L) (3)
CRJ 462: Gangs (3)
CRJ 494: Children and The Law (3)
Notes: Other juvenile justice-related topics may be substituted.
JUS 477: Youth and Justice (L or SB) (3)
PSY 341: Developmental Psychology (SB) (3)
TEL 315: Child and Adolescent Development (L or SB) (3)

At least 12 credit hours must be taken in residence at ASU.
A "C" (2.00 on a 4.00 scale) or better is required in all coursework required for the certificate.
Bachelor of Science in Criminology and Criminal Justice majors who are also pursuing the Juvenile Justice certificate may not use CRJ 404, CRJ 425, and their chosen electives (CRJ 462 and/or, CRJ 494) towards both their degree and certificate.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Completion of the following prerequisite courses with grades of "C" or higher are required for enrollment in the certificate program:

- CRJ 100 Introduction to Criminal Justice
- completion of one of the following two-course sequences in research methods and statistics with a grade of "C" or higher: CRJ 302/CRJ 303 or JUS 301/JUS 302 or PSY 290/PSY 230 or SOC 391/SOC 390 or SWU 320/SWU 321 or FAS 361/SOC 390 OR PSY 230

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student. Bachelor of Science in criminology and criminal justice majors who are also pursuing the juvenile justice certificate may not use CRJ 404, CRJ 425, and their chosen electives (CRJ 462 and/or, CRJ 494) toward both their degree and certificate.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Those who complete this certificate have developed expertise in understanding youth crime and responses to it. This expertise prepares them for employment opportunities in juvenile courts, juvenile probation and corrections, and social service agencies.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
SCCJadvising@asu.edu
602-496-1658

## Korean Studies Certificate (LAKORCERT)

**Campus:** Tempe

**Description:** The certificate program in Korean studies aims to train and produce students who are linguistically capable and culturally informed.

The program consists of two major components. The first builds students' Korean language proficiency in the areas of speaking, listening, reading and writing. The second offers students a broad range of knowledge of the culture, literature, history, art and religions of Korea. The certificate allows students to focus on Korean studies.

**Program Requirements:**
The certificate in Korean studies requires 22 credit hours, of which at least 12 must be completed at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Korean Language -- 10 credit hours
Students must choose one two-course sequence from KOR 101, KOR 102, KOR 201, KOR 202, for a total of 10 credit hours. Course substitutions may be permitted for heritage speakers and other advanced speakers of the Korean language based on their proficiency level as determined by the Korean Placement Test.
KOR 101: First-Year Korean I (G) (5)
KOR 102: First-Year Korean II (G) (5)
KOR 201: Second-Year Korean I (G) (5)
KOR 202: Second-Year Korean II (G) (5)

Upper-Division Electives -- 12 credit hours
KOR 321: Modern Korean Literature (HU) (3)
KOR 347: Korean Film and Literature (HU) (3)
KOR 350: Women of Korea (H) (3)
KOR 354: Religions of Korea (HU) (3)

Additional courses may be approved in consultation with an academic advisor in the School of International Letters and Cultures or the coordinator of the certificate. The completion of the requirements will be reviewed both by students' designated advisors and the coordinator of the program. Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** ASU students admitted to a degree program in any field of study are eligible for the Korean studies certificate program. Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in Korean studies with their major program of study may be more marketable to employers.

They have an enriched perspective on different cultures and societies at the intellectual level and are equipped with a practical knowledge of Korean that will benefit a career in various professions, including in academia, government work, international trade and translation. Graduates often decide to pursue employment in education, the military, political analysis, tourism and hospitality, marketing and nongovernmental organizations.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-korean-studies-cert
DH 131
silcadvising@asu.edu
480-965-6281

## Latin American Studies Certificate (LALASCERT)

**Campus:** Tempe

**Description:** The Latin American studies certificate is designed to give students an understanding of the culture, economies, political structures and history of Latin American nations.

The program combines six courses across disciplinary boundaries to provide a diverse perspective of the Latin American experience. The Department of Economics; the School of Geographical Sciences and Urban Planning; the School of Historical, Philosophical and Religious Studies; the School of Politics and Global Studies; the School of Human Evolution and Social Change; the School of International Letters and Cultures (Spanish and Portuguese) and the School of Transborder Studies offer courses that comprise the transdisciplinary certificate.

**Program Requirements:**
The certificate requires 18 credit hours of Latin American studies content. At least 12 upper-division credit hours must be completed from courses offered by The College of Liberal Arts and Sciences. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Language Requirement
Students must demonstrate Spanish or Portuguese proficiency through the 313 level of conversation and composition. The language proficiency requirement may be waived for native speakers or those with in-field experience equivalent to SPA 313 or POR 313.
Language instruction courses dealing with Spanish and Portuguese conversation and composition cannot be used to satisfy the content course requirement. While students are encouraged to enroll in language instruction courses (i.e., conversation and composition) above the 313 level, they cannot apply such coursework to the Latin American studies certificate course requirements.

Latin American Content Course Requirements -- 18 credit hours
Students will take 18 upper-division credit hours (six courses) from this list of Latin American content courses. Students are required to select nine credit hours (three courses) from within their major and nine credit hours (three courses) outside their major.
ARS 362: Survey of Aztec, Maya and Inka Art (HU) (3)
ASB 322: Peoples of Latin America ((L or SB) & G) (3)
ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H) (3)
GCU 323: Geography of Latin America (SB & G) (3)
GCU 424: Geography of Mexico and Middle America (SB & G) (3)
HST 305: Studies in Latin American History (3)
HST 331 / TCL 331: Mexican American History to 1900 (SB & H & C) (3)
HST 375: Colonial Latin America (SB & H) (3)
HST 376: Modern Latin America (SB & G & H) (3)
HST 441: Latin America and the World Economy (L & G & H) (3)
HST 443: The United States and Latin America (SB & G & H) (3)
HST 445: 20th-Century Cuba (SB & G & H) (3)
HST 447: Modern Mexico (SB & H) (3)
POR 472: Luso-Brazilian Civilization (HU & G) (3)
POR 494: Special Topics (3)
POS 305: Politics and Film (SB) (3)
POS 453: Latin America (SB & G) (3)
POS 454: Mexico (SB & G) (3)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) (3)
SPA 429: Writing Mexico: Major Texts ((L or HU) & G) (3)
SPA 456: 20th-Century Spanish American Fiction (3)
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) (3)
SPA 472: Latin American Society: Five Case Studies (HU & H & G) (3)
SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) (3)
SPA 475 / SLC 475: Latin American Film ((L or HU) & G) (3)
TCL 310: Folklore of the Southwest (HU & C) (3)
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)
TCL 350: Mexican and Chicana/o Artistic Production (HU & C & G) (3)
TCL 444: The Ethnography of Mexico and the Borderlands (SB & G) (3)
THE 426: Pre-Columbian Theatre of the Americas (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Any student admitted to study at ASU may complete a certificate program.

Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in Latin American studies with their major program of study may become more marketable to employers. They often decide to pursue employment in education, political analysis, the military, tourism and hospitality, and marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-latin-american-studies-cert
DH 131
silcadvising@asu.edu
480-965-6281

## Latino Politics and Policy Certificate (LALPPCERT)

**Campus:** Tempe

**Description:** This certificate program in Latino politics and policy advances students' understanding of the past and present political experiences of Latinos, and policy issues surrounding this community. Some issues to be examined include immigration, voting, grassroots organizing and other political players.

**Program Requirements:**
The certificate requires 18 credit hours of coursework. At least 15 credit hours must be ASU credit and at least 12 credit hours must be completed at the upper-division level. A minimum of nine credit hours must be taken from courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses used toward the certificate.

Core Requirements -- 9 credit hours
POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) or TCL 101: Latinas/os in the U.S. (HU & C) (3)
POS 301: Empirical Political Inquiry (SB) or TCL 304: Transborder Research Methods (SB & C) (3)
POS 438: Latino Politics (SB & C) or TCL 340: Chicana/o and Latina/o Politics and Policy (L & C) (3)

Electives -- 3 credit hours
POS 394: Politics of U.S. Immigration (3)
POS 410: Governing American Cities (SB) (3)
POS 439: Minority Group Politics in America (SB & C) (3)
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)
TCL 341: Latinas/os and the City (C) (3)
TCL 342: Social Demographics of Latino Populations (SB & C) (3)

TCL 377: Arizona, Immigration, Latinos and Politics (3)
TCL 443: Political Ecology of the Border (SB & G) (3)

Related Electives -- 3 credit hours
JUS 320: Community and Social Justice (SB & C) (3)
JUS 347: Immigration, Education and the Family (L) (3)
JUS 350: Immigration and Justice (SB & C) (3)
JUS 370: Cultural Diversity and Justice ((L or HU) & C) (3)
PAF 405: Citizen Engagement and Community Building (3)
TCL 332: Mexican American History Since 1900 (SB & H & C) (3)

Internship -- 3 credit hours
POS 484: Internship (3)
TCL 484: Internship (3)
Students in the program must have a minimum 2.50 GPA in order to enroll and complete the internship requirement.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students must have a minimum GPA of 2.00 in order to add this certificate program.

Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will be able to explain the impact of the increasing Latino population on the U.S. political system.
- Students will analyze and interpret issues and policies that affect the Latino community utilizing appropriate methodologies.

**Career Opportunities:** Graduates of this certificate program are more marketable to employers in the fields of law, public policy, business, health, education, social services and in government agencies.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB B165
sts.undergrad@asu.edu
480-965-5091

## Law Enforcement in Parks and Protected Areas Certificate (PPLEPPCERT)

**Campus:** Downtown Phoenix

**Description:** As the Southwest continues to develop and urbanize, the demands and pressures on public lands and natural resources continue to grow; the interplay between society and natural resources is key to understanding modernity and continues to be at the center of policy issues and societal debates. The certificate program in law enforcement and parks and protected area introduces students to issues of crime and criminal justice as relates to parks and protected areas, with a focus on the unique issues faced by managers of urban-proximate natural areas.

This certificate includes classes from a nationally accredited parks and recreation program and from a highly ranked criminology and criminal justice program. Students pursuing parks and recreation majors can attain basic knowledge of law enforcement while students pursuing criminology and criminal justice majors can be oriented to issues related to parks and protected areas.

**Program Requirements:**
The certificate requires 15 credit hours: 12 credit hours of required core courses and three credit hours of electives. Courses taken as part of a university major may count toward that degree and the certificate.

Required Core Courses -- 12 credit hours
CRJ 230: Introduction to Policing (3)
CRJ 410: Criminal Procedure I: The Law of Investigations (3)
PRM 370: Public Lands Management (3)
PRM 380: Wilderness and Parks in America (SB & H) (3)

Elective (select one) -- 3 credit hours
CRJ 315: Police Organization and Management (3)
PRM 315: Creating Community Through Park and Recreation Systems (3)
PRM 340: Outdoor Survival (3)
PRM 470: Environmental Communication (3)

Standards
1. 15 hours of graded classroom coursework (no internship, no independent study)
2. minimum of a "C" (2.00 on a 4.00 scale) grade required for all courses in the certificate
3. should be a junior to take 300- and 400-level courses

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A GPA of 2.00 is required to add this certificate.

Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrate an understanding of the ethical standards implicit in law enforcement in parks and protected areas.
- •Apply critical thinking skills by taking into account the complexities of an issue and acknowledging other viewpoints.

**Career Opportunities:** Graduates of the certificate in law enforcement in parks and protected areas can find opportunities in diverse settings involving a wide range of organizations, including recreation, environmental, federal agencies and private security.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/
UCENT 164
SCRDadvising@asu.edu
602-496-1658

## Law and Human Behavior Certificate (PPLWHBCERT)

**Campus:** Downtown Phoenix, Tempe, West

**Description:** Law and human behavior is an umbrella term that encompasses various aspects of the rapidly emerging field of forensic psychology, law and justice.

This 18 credit hour certificate program focuses on the criminal justice aspects of forensic psychology, emphasizing victimology, offender treatment, criminal incapacity, mental health law, juvenile justice and delinquency, and the dynamics of how the criminal justice system intersects with behavioral science.

The program is designed to provide students of social services and social sciences with an understanding of important but understudied areas where justice policy is in desperate need of empirical, psychological research.

**Program Requirements:**
Required Core -- 12 credit hours
CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law (3)
CRJ 410: Criminal Procedure I: The Law of Investigations (3)
PSY 366: Psychological Disorders (SB) (3)
PSY 468: Psychology and Law (3)

Electives (choose two from outside of one's major) -- 6 credit hours
CRJ 309: Criminology (SB) (3)
CRJ 403: Victims and the Criminal Justice System (3)
CRJ 406: Sex Crimes (3)

CRJ 434: Drugs of Abuse (3)
CRJ 435: Crime and Forensic Mental Health (SB) (3)
CRJ 484: Internship (1-6)
Notes: Only those relevant to law and human behavior
CRJ 494: Special Topics (3)
Notes: Only those relevant to law and human behavior
PSY 341: Developmental Psychology (SB) (3)
PSY 368: Forensic Psychology (3)
PSY 443: Child and Adolescent Psychological Disorders (L or SB) (3)
PSY 472: Clinical Psychology (3)
PSY 474: Correctional Psychology (3)
PSY 494: Special Topics (3)
Notes: Only those relevant to law and human behavior

1. Special Topics courses (CRJ 494 and PSY 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the law and human behavior certificate program.
2. At least 12 credit hours must be taken in residence at ASU.
3. A "C" (2.00 on a 4.00 scale) or better is required in all coursework required for the certificate.
4. Bachelor of Science in criminology and criminal justice majors who are also pursuing the Law and Human Behavior certificate may not use CRJ 309, CRJ 403, CRJ 406, CRJ 410, CRJ 434, CRJ 435, CRJ 484, and CRJ 494 towards both their degree and certificate.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students must complete the following prerequisite courses with a grade of "C" or higher (scale is 4.00 = "A") in order to enroll in the certificate program. These courses may be taken in-residence at ASU or may be transferred in from other institutions, including community colleges. Because these courses are requirements for the bachelor's degree program in psychology or criminology and criminal justice, their completion satisfies not only requirements of these two majors, but also the prerequisite requirements for enrollment in the certificate program in law and human behavior.

Completion of the following prerequisite courses with grades of "C" or higher are required for enrollment in the certificate program:

- CRJ 100 Introduction to Criminal Justice
- PSY 101 Introduction to Psychology
- first-year composition (ENG 102, 105 or 107)
- a course which meets the General Studies MA requirement (MAT 117, 119, 142, 170, 210 or 270)

one of the following two-course sequences in statistics and research methods:

- CRJ 302 and 303, or
- PSY 230 and 290

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates of the law and human behavior certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in criminal justice agencies (federal, state and local) in roles such as evidence and crime scene supervisor (crime scene investigation activities), forensic psychologist, intelligence analyst and law enforcement officer. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
SCCJAdvising@asu.edu
602-496-1658

## Leadership and Ethics Certificate (PPLDECERT)

**Campus:** Downtown Phoenix

**Description:** The certificate program in leadership and ethics focuses on understanding the broad transdisciplinary field of leadership and its application to various elements of society and community, and it prepares individuals for positions of leadership and responsibility, in the university, in student organizations, in their communities, and throughout their careers in business and government.

**Program Requirements:**
The certificate in leadership and ethics requires three core courses (nine credit hours), plus two elective discipline-based courses in leadership or ethics (six credit hours). Elective coursework may be selected from an approved list of elective courses or upon the recommendation of the department.
All courses applied to the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Core Courses -- 9 credit hours
PAF 311: Leadership and Change (SB) (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 460: Public Service Ethics (3)
All core courses and the leadership capstone must be taken at Arizona State University. Any course substitutions for the certificate are at the discretion of the School of Public Affairs.

Electives (choose two) -- 6 credit hours
COM 430: Leadership in Group Communication (3)
HON 497: Honors Colloquium (3)
MGT 300: Principles of Management and Leadership (3)
NLM 430: Managing Nonprofit Organizations (L) (3)
PAF 420: Managing Across Boundaries (3)
POS 314: The American Presidency (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Apply core competencies of leadership as they relate to the identification, assessment, and resolution of problems of public relevance in organizations.
•Apply knowledge of leadership and ethics in real-world circumstances, whether at work or in civic engagement.

**Career Opportunities:** Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as a manager or policy analyst in local, state or federal agencies, in nonprofit organizations, and in private organizations whose work interfaces with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Leadership in Business Certificate (BALIBCERT)

**Campus:** Polytechnic, Tempe, West

**Description:** The leadership in business certificate program is designed to help students understand the concept of leadership. Students in this program cultivate their leadership identity and understand how the development of their leadership skills impacts their professional development.

Through this program, students develop a strong set of skills necessary for success in a dynamic workplace, skills that include communication, teamwork and collaboration, and problem-solving.

**Program Requirements:**
The leadership in business certificate requires 15 credit hours, of which at least 12 credit hours must be upper division. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

Required Courses (choose two) -- 6 credit hours
MGT 300: Principles of Management and Leadership or MGT 303: Honors Organizational Strategies, Leadership, and Behavior (3)

MGT 310: Collaborative Team Skills (3)
MGT 411: Leading Organizations (3)

Leadership Development Electives (choose two courses, at least one must be upper division) -- 6 credit hours
COM 225: Public Speaking (L) (3)
COM 259: Communication in Business and the Professions (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 319: Persuasion and Social Influence (SB) (3)
COM 400: Organizational Communication (3)
JUS 325: Globalization and Socio-Economic Justice (SB & G) (3)
MGT 310: Collaborative Team Skills (3)
MGT 400: Cross-Cultural Management (C & G) (3)
MGT 430: Negotiations (3)
MKT 302: Applied Marketing Management and Leadership (L) (3)
PAF 311: Leadership and Change (SB) (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 420: Managing Across Boundaries (3)
USL 210: Service Learning: Intro to Diverse Community Issues (L & C) (3)

Cultural Competency Elective (choose one) -- 3 credit hours
JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C) (3)
LES 380: Consumer Perspective of Business Law (3)
MCO 460: Race, Gender, and Media (C) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 360: Business and Professional Ethics (HU) (3)
PHI 406: Moral Dilemmas (L or HU) (3)
REL 366: Islam in the Modern World (HU & G) (3)
REL 381: Religion and Moral Issues (L or HU) (3)
REL 480: Religion and Global Politics (L & G) (3)
SBS 301: Cultural Diversity ((L or SB) & C) (3)
SOC 334: Technology and Society (L or SB) (3)
SOC 339: Grassroots Social Movements (SB) (3)
SOC 342: Mexico-U.S. Borderlands (SB & C) (3)
SOC 352: Social Change (SB & G & H) (3)
SOC 363: Men and Masculinity (SB) (3)
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) (3)
TCL 328: Hispanic Religion, Culture and Healing (HU & C) (3)
WST 300: Women and Gender in Contemporary Society (SB & C) (3)
WST 331: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)
WST 365: Women and International Health (G) (3)
WST 467: Ethnic Women Writers (HU & C) (3)
WST 471: Women's International Human Rights (3)
WST 485: Women, Gender, and Leadership (SB & C) (3)

Complete two co-curricular experiences (all pending approval of the certificate coordinator):
1. Complete an approved internship. This requirement must be completed after approval to add the certificate.
2. Approved leadership position on an executive board with a registered ASU club or organization.
3. Approved leadership role in support of the W. P. Carey School of Business or ASU community: (WPC 101 Facilitator, WPC Peer Advisor, Camp Carey Director, Leadership Through Action (Tillman Program), USG Position, Community Assistant, Residential Engagement Leader, A.P.P.L.E., other petition-approved activity).
4. ASU-affiliated study abroad program OR 75 hours of service learning or community service.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate is only open to undergraduate students in the W. P. Carey School of Business.

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in leadership in business with their major program of study may become more marketable to employers. They often decide to pursue employment in management, sales and marketing.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Department of Management and Entrepreneurship
https://wpcarey.asu.edu/
BA 170
wpcareyug@asu.edu
480-965-4227

## Leadership, Ethics and Service Certificate (PPLETSCERT)

**Campus:** Downtown Phoenix
ASU is not currently accepting applications for this program.
**Description:** The leadership, ethics and service certificate program includes coursework with an emphasis on values, ethics, leadership and public service. In addition to in-class instruction, the program includes a service learning component during the summer and out-of-classroom activities.

**Program Requirements:**
A "C" (2.00 on a 4.00 scale) or better is required in all coursework.

Coursework -- 15 credit hours
CRD 435: Service Learning for Community Development (3)
NLM 235: Leadership and Ethics (3)
NLM 410: Social Entrepreneurship (3)
PAF 400: Senior Capstone Project (3)
PAF 410: Building Leadership Skills (SB) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Articulate the importance of public service to communities and individuals.
- •Develop basic leadership skills.
- •Articulate their own personal values and the role of ethics in the professional workplace.

**Career Opportunities:** Certificate programs allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://publicservice.asu.edu/
UCENT 780
copp@asu.edu
602-496-0600

## Legal Issues in Criminal Justice Certificate (PPLCRJCERT)

**Campus:** Downtown Phoenix, West, Online

**Description:** The legal issues in criminal justice certificate program focuses on the intersection of policy and its effects on the criminal justice system. Topics include a focus on law and theoretical perspectives on the ramifications of certain policies in the field of criminal justice.

Students seeking more specialized knowledge about legal consequences of policy on the criminal justice system or those interested in careers

working in the public sector, law or the criminal justice system should consider this certificate program.

**Program Requirements:**
Required Core -- 15 credit hours
CRJ 203: Courts and Sentencing (3)
CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law (3)
CRJ 410: Criminal Procedure I: The Law of Investigations (3)
CRJ 416: Criminal Procedure II: Adjudication (3)
CRJ 460: Criminal Law II: Advanced Substantive Criminal Law (3)

Electives -- 3 credit hours
CRJ 321: Evidence: Imperatives of Proof (3)
CRJ 350: Law and Social Control (SB) (3)
CRJ 411: Legal Issues in Corrections (3)

At least 12 credit hours must be taken in residence at ASU.
A "C" (2.00 on a 4.00 scale) or better is required in all coursework required for the certificate.
Bachelor of Science in Criminology and Criminal Justice majors who are also pursuing the Legal Issues in Criminal Justice certificate may not use CRJ 410, CRJ 416, CRJ 460, and their chosen elective (CRJ 321, CRJ 350, or CRJ 411) towards both their degree and certificate.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students must complete CRJ 100 Introduction to Criminal Justice with a grade of "C" or better (scale is 4.00 = "A") in order to be admitted to the certificate program. This course may be taken at ASU or transferred from another institution, including a community college.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Bachelor of Science in criminology and criminal justice majors who are also pursuing the legal issues in criminal justice certificate may not use CRJ 410, CRJ 416, CRJ 460, and their chosen elective (CRJ 321, CRJ 350, or CRJ 411) toward both their degree and certificate.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/minors/) for program descriptions and to request more information.

**Career Opportunities:** Students are prepared for employment opportunities in public policy, law enforcement and corrections, law firms and social service agencies.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
SCCJadvising@asu.edu
602-496-1658

## Lesbian, Gay, Bisexual and Transgender Studies Certificate (PPLGBTCERT)

**Campus:** Tempe

**Description:** The certificate program in lesbian, gay, bisexual, and transgender studies offers students a multifaceted understanding of society.

Lesbians, gay men, bisexuals and transgender people play important roles as colleagues, clients, parents, children, siblings, neighbors, employees, employers, religious leaders and friends. Given the increasing visibility and changing political climate for LGBTQ people in the United States, all students, not only those who identify themselves as gay, lesbian, bisexual or transgender, are served well by learning about the histories, communities and contemporary social issues regarding people from LGBTQ backgrounds.

The educational experience is enhanced when students are introduced to complex intersections between and among sexual, racial, ethnic, religious, geographic and national identities. This program's philosophy is to promote intellectual and pedagogical diversity as one of the university's greatest assets, and this is done, in part, by instilling in students a sensitivity to cultures different from their own and through careful analysis of the self in historical, artistic and sociocultural contexts.

The goals of the program are to give students knowledge about the history, evolution of and current issues facing the LBGTQ community; practical experience utilizing coursework knowledge in the community through an internship or community service project; and theoretical perspectives on heterosexuality as a presumptive sexual identity. Students gain an understanding of lesbian, gay, bisexual and transgender studies as an academic area of inquiry and an understanding of community politics, dynamics and conflicts, and they engage in a use-inspired education that culminates in a public presentation.

**Program Requirements:**
The certificate requires 15 credit hours, of which a minimum of 12 must be upper division. Each course must be completed with a minimum grade of "C" (2.00 on a 4.00 scale) or better.

Required Course (choose one) -- 3 credit hours
SST 294: Introduction to LGBTQ History and Culture (3)
SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) (3)
WST 294: Sex, Gender, and Sexuality (3)

Electives -- 9 credit hours
AFR 351 / JUS 351 / WST 351: Gender and Hip Hop (3)
AFR 375: Race, Gender and Sport (SB & C) (3)
APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) (3)
APA 345: Asian Pacific Americans and Film (HU & C & H) (3)
ARS 485: Women in the Visual Arts (L) (3)
ASB 210: Human Sexuality: Anthropological Perspectives (SB & G) (3)
Notes: Only Interdisciplinary Studies major may use additional lower-division courses
ASB 346: Marriage and Family Diversity (SB & C) (3)
BIS 350: Diversity and Organizations (L & C) (3)
Notes: Student must pick LGBT focus for course project and receive approval from certificate advisor.
COM 316: Gender and Communication (SB & C) (3)
COM 421: Rhetoric of Social Issues (HU) (3)
COM 442: Identity, Performance, and Human Communication (3)
COM 494: Gender in the Media (3)
ENG 345: Transgender and Intersex Literature and Film (3)
ENG 440: Sexuality (3)
ENG 443: Gender, Culture and Literacy (3)
ENG 449: Masculinities, Femininities and Literacies (3)
ENG 454: Gender and Literature (L or HU) (3)
FAS 264: Sociology of Gender (SB & C) (3)
Notes: Only Interdisciplinary Studies majors may use additional lower-division courses.
FAS 332: Human Sexuality (SB) (3)
FAS 498: Transgender Youth and Families (3)
HST 364: Sex and Society in Modern Europe ((L or SB) & H) (3)
JUS 371: Sexuality and Social Justice (3)
JUS 427: Identity and Justice (L) (3)
JUS 435: Cinema and Justice (3)
MIC 314: HIV/AIDS: Science, Behavior, and Society (3)
SST 494: Transformational Leadership and Embodied Activism (3)
SWU 291: Social Service Delivery Systems (3)
Notes: Only Interdisciplinary Studies majors may use additional lower-division courses
SWU 374: Diversity and Oppression in a Social Work Context (C) (3)
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)
THE 494: Queer Plays and Films (3)
WST 100: Women, Gender, and Society (SB & C) (3)
Notes: Only Interdisciplinary Studies majors may use additional lower-division courses. Credit is only allowed for WST 100 or 300
WST 300: Women and Gender in Contemporary Society (SB & C) (3)
Notes: Credit is only allowed for WST 100 or 300
WST 313: Women and Sexuality (SB & C) (3)
WST 335: Lost in Space: Gender, Race, and Sexuality in Science Fiction (3)
WST 380: Race, Gender, and Class (SB & C) (3)
WST 413: Queer Studies (HU & C) (3)
WST 433: Race and Sexualities in Social Justice Movements (3)
WST 460: Women and the Body (SB & C) (3)
WST 470: Gender and Popular Culture (HU & C) (3)
WST 477: Gender and Violence (SB & C) (3)

Capstone -- 3 credit hours

All students will complete a three credit hour capstone experience after completing a minimum of nine credit hours in the certificate program. The capstone experience will be supervised by any member of the faculty approved by the Lesbian, Gay, Bisexual and Transgender Studies Committee.
Capstone Course (3)
Notes:  Select capstone course with consultation of LGBT advisor.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Students will demonstrate knowledge about lesbian, gay, bisexual and transgendered communities.
- •Students will apply knowledge about LGBT communities through directed research, an internship or community-based project under the supervision of an ASU faculty member.

**Career Opportunities:** Graduates who have combined the certificate in lesbian, gay, bisexual and transgender studies with their major program of study may become more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Mathematical Concepts of Engineering Certificate (LAMACECERT)

**Campus:** Tempe, Online

**Description:** The certificate program in mathematical concepts of engineering is designed for students who seek a strong foundation in mathematics to support their studies in engineering.

Combining a core foundation in the quantitative and analytical skills found in mathematics with related skills in engineering, the program provides students with a solid mathematical background well suited for multiple career paths.

**Program Requirements:**
The mathematical concepts of engineering certificate requires a minimum of 21 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least nine credit hours must be completed at ASU. MAT 343 and STP 420 must be completed in courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Required Courses -- 18 credit hours
IEE 380: Probability and Statistics for Engineering Problem Solving (CS) (3)
MAT 266: Calculus for Engineers II (MA) (3)
MAT 267: Calculus for Engineers III (MA) (3)
MAT 275: Modern Differential Equations (MA) (3)
MAT 343: Applied Linear Algebra (3)
STP 420: Introductory Applied Statistics (CS) (3)

Electives (choose one) -- 3 credit hours
DAT 301: Exploring Data in R and Python (4)
IEE 381: Lean Six Sigma Methodology (3)
IEE 385: Engineering Statistics: Probability (3)
IEE 470: Stochastic Operations Research (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** ASU degree-seeking students
Students must have completed MAT 265 or MAT 270 with a "C" or higher prior to enrolling in the certificate program. Students also must be in good academic standing with a minimum cumulative grade point average of 2.00.

Nondegree-seeking students
This certificate is available through the Pathways for the Future program (https://pff.asu.edu/). Applicants with or without a bachelor's degree are eligible to apply for, and receive, this certificate through the Pathways for the Futures program. Applicants must have completed MAT 265 or MAT 270 with a "C" grade or higher (scale is 4.00 = "A"). Applicants who have taken these courses at another institution should use the Transfer Guide course search (https://webapp4.asu.edu/transfercreditguide/app/home) to determine if a transfer course can fulfill the prerequisite course requirements. Applicants who already hold a bachelor's degree should apply to ASU and this certificate program as a nondegree-seeking graduate student.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/mathematical-concepts-engineering-undergraduate-certificate/) for program descriptions and to request more information.

**Career Opportunities:** The certificate in mathematical concepts of engineering is a specialization that complements a major program of study, and it helps students become more marketable to employers.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## Media Arts and Sciences Certificate (HIDGCCERT)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture.
**Description:** The media arts and sciences certificate program in the Herberger Institute for Design and the Arts focuses on the creative exploration of how new media is influencing culture, or rather the way people live, learn, create and communicate.

Pursuing the media arts and sciences certificate allows students to enhance their program of study with integrated, transdisciplinary training in creative processes and technical skills in new media with cultural applications.

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that is increasingly shaped by new technologies.

**Program Requirements:**
The digital culture certificate requires 18 credit hours, of which 12 are upper division.
A minimum grade of a "C" (2.00) and an overall GPA of 3.00 is required in all courses in the certificate program. Courses in the certificate program may not be used as part of a major. All upper-division certificate coursework must be taken at ASU.

Required Courses -- 6 credit hours
AME 111: Introduction to Digital Culture (CS) (3)
AME 112: Computational Thinking for Digital Culture or AME 230: Programming for the Media Arts (CS) (3)

Digital Culture Studies -- 6 credit hours
AME 310: Media Literacies and Composition (3)
AME 320: Motion Capture for Integrative Systems (3)
AME 330: Digital-Physical Systems (3)
AME 340: Compositional and Computational Principles for Media Arts (3)
AME 394: Special Topics (3)
AME 410: Interactive Materials (3)
AME 430: Mac Development for Media Arts (3)
AME 435: Mobile Development (3)
AME 444: Media Installations (3)
AME 470: Programming for Social and Interactive Media (3)
AME 485: Digital Culture Capstone I (3)

AME 494: Animating Virtual Worlds (3)
AME 494: Special Topics (3)
ART 378: Digital Textiles (3)
FSH 394: Fashion Design & Wearable Technology (3)

Digital Media - Media Arts and Design -- 6 credit hours
AME 394: Special Topics (3)
AME 494: Special Topics (3)
ART 308: 2D Digital Animation I (3)
ART 346: 3-D Computer Imaging and Animation (CS) (3)
ART 348: Animation Motion Studies (3)
ART 394: Digital Photography for Non-Majors (3)
ART 438: Moving and Interactive Systems in Sculpture (3)
ART 440: Experimental Video Art (3)
ART 494: Visual Prototyping (3)
CIS 300: Web Design and Development (3)
EDT 440: Creating and Marketing Mobile Apps (3)
EEE 307: Signal Processing for Digital Culture (3)
IAP 322: Multitrack Digital Recording (3)
IAP 361: Digital Editing and Media Literacy (CS) (3)
IAP 364: Documentaries (3)
IAP 462: Games and Play (3)
MDC 311: Composing and Performing for Hybrid Ensembles (3)

Generous substitution rules allow for course flexibility. Students receiving the digital culture certificate can petition to substitute up to six credit hours. Three credit hours can come from any course related to digital culture through courses offered by any ASU unit on any ASU campus, including the interdisciplinary arts and performance program on the West campus and the film and media studies program on the Tempe campus. Courses may include any on the list of related subjects and substitutions (shown above) or courses with comparable content.

The other three substitution hours can be achieved through the following path:

The three-hour media arts and design course requirement may be substituted with a three-hour course in the digital culture-related category.
Students who earn a digital culture certificate cannot earn a minor in digital culture.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Degree-seeking undergraduates or nondegree-seeking graduate students may add the media arts and sciences certificate. Students must complete two AME courses with a "C" or higher to be eligible to add the certificate; this requirement is so that students' understanding of the discipline is sufficient to develop a pathway that best meets the proficiencies for the work they are interested in pursuing.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with a undergraduate certificate. The certificate in media arts and sciences helps students become more marketable to employers by adding this specialization to complement their major program of study. Media arts and sciences graduates go on to work in a variety of fields, some of which are mobile app design, audio production and autonomous systems.

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/
STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Mild/Moderate Special Education Certificate (TEMSPECERT)

**Campus:** Tempe

**Description:** The certificate program in mild/moderate special education prepares students to make connections and provide equitable learning environments to meet the diverse learning needs of students in kindergarten through grade 12.

This certificate program can only be added to the following programs at Mary Lou Fulton Teachers College in order to allow students eligibility for

dual-teaching certificates at the completion of their undergraduate degree:

- BAE in early childhood education
- BAE in elementary education
- BAE in elementary multilingual education
- BAE in physical education
- BAE in secondary education

Students learn how to work and partner with communities and schools to co-construct and negotiate roles and responsibilities in order to deliver effective special education programming. Coursework is grounded in data; theoretical foundations; federal, state and local policies; and a sense of responsibility to student and community needs.

Graduates are eligible to earn an institutional recommendation from ASU for Arizona teacher certification in Mild/Moderate Disabilities, K-12, from the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

Format option
This program is also offered via ASU Sync (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Program Requirements:**
In addition to completing this certificate and a teacher certification program major, students will be required to earn a passing score on the professional knowledge portion of the AEPA/NES exam and a passing score on the subject knowledge portion of the AEPA/NES exam in each area an Arizona teaching credential is sought. Subject knowledge exam waivers may apply. Students should contact the Mary Lou Fulton Teachers College for more information.
This certificate requires 18 credit hours. A "C" or better is required in all coursework.

Required Courses -- 18 credit hours
RDG 413: Literacy Methods of Instruction and Assessment for Diverse Learners (3)
SPE 321: Classroom and SPE Assessment (3)
SPE 323: Effective Practices and Behavior Interventions: Supports for Exceptional Students (3)
SPE 411: Special Education History and Law (3)
SPE 423: Evidence-Based Practices for Students with Exceptional Needs (3)
TEL 331: Foundations of Literacy: The Science of Reading (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate is only open to students majoring in early childhood education, elementary education, elementary multilingual education, secondary education and physical education undergraduate teacher preparation programs in the Mary Lou Fulton Teachers College.

Students should have a valid Arizona DPS Identity Verified Print fingerprint clearance card.

A GPA of 2.25 is required for continued good standing. Students should contact the Mary Lou Fulton Teachers College for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a non degree-seeking graduate student but may not be eligible for an institutional recommendation for Arizona teaching licensure without additional preparation beyond the certificate.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-out teachers in public, charter and private education institutions. Graduates with degrees in special education may also work in roles such as education resource specialists, interventionists or curriculum developers.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential

licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 102
ASUeducation@asu.edu
480-965-9995

## Military Studies Certificate (LSMILSCERT)

**Campus:** Online

**Description:** The military studies certificate program is designed in partnership with the U.S. Naval Community College to provide enlisted personnel, veterans and nonmilitary students with an interdisciplinary focus on national security, history and political science. Coursework includes global perspectives on war and conflict, an understanding of contemporary United States foreign policy, and regional focus of the student's choice on history, religion and politics.

The program includes capstone research or an applied project in which students explore the role of the U.S. military in advancing the goals of the nation in the past, present or future.

**Program Requirements:**
Required Courses -- 12 credit hours
HST 101: Global History Since 1500 (HU & H & G) (3)
IDS 150: Introduction to Military Studies (3)
IDS 350: Military Studies Interdisciplinary Capstone (L) (3)
POS 361: American Foreign Policy (SB & G) (3)

Military Studies Electives (choose two) -- 6 credit hours
HST 303: China,Japan & East Asia in World History (3)
HST 304: Stalin to Putin (3)
HST 372: Modern Middle East (SB & G & H) (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
PAF 469: Terrorism Defense (3)
POS 300: Contemporary Global Controversies (SB & G) (3)
POS 364: National Security, Intelligence, and Terrorism (SB) (3)
POS 368: Ethics and Human Rights (3)
POS 465: International Organization and Law (SB & G) (3)
REL 366: Islam in the Modern World (HU & G) (3)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)
SGS 303: Global Trends (SB & G) (3)
SGS 350: Economic Development and Globalization (3)
SGS 370: Geopolitics (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Career Opportunities:** Graduates of this program are prepared to further advance in careers in military service as well as to succeed in further undergraduate study.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/

USE 138
cisa@asu.edu
480-965-4464

## Modern Hebrew Certificate (LAHEBCERT)

**Campus:** Tempe

**Description:** The certificate program in modern Hebrew provides students with a firm foundation in modern Hebrew language and a broad knowledge of Israeli culture, leading to advanced skills in reading, writing and conversing in the language. The program includes the study of literature, politics and history, enriching students' knowledge of the Middle East and offering them deeper understanding of current affairs.

**Program Requirements:**
The certificate requires 20 credit hours. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher. A minimum of 12 credit hours must be completed at the upper-division level and a minimum of 12 credit hours must be earned at ASU or in an ASU-approved study abroad program.

Language -- 14 credit hours
HEB 201: Intermediate Modern Hebrew (G) (4)
HEB 202: Intermediate Modern Hebrew (G) (4)
HEB 313: Advanced Modern Hebrew (G) (3)
HEB 314: Advanced Modern Hebrew (G) (3)

Electives (choose two) -- 6 credit hours
HEB 347 / JST 347 / SLC 347 / ENG 347: Modern Israeli Literature in Translation (HU & G) (3)
HEB 348 / JST 348 / SLC 348: Israeli Society and Culture (HU & G) (3)
HEB 349: Israeli Wars in Israeli Movies (HU & G) (3)
HEB 375: Contemporary Culture of Israel (HU & G) (3)
HST 372: Modern Middle East (SB & G & H) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** ASU students admitted to a degree program in any field of study are eligible to enroll in the modern Hebrew certificate program. In order to be admitted to the certificate program, students must complete HEB 101 and 102 Elementary Modern Hebrew to satisfy the requirements to enroll in HEB 201 Intermediate Modern Hebrew.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This certificate enhances many degree programs and career paths.

Graduates who have combined the certificate in modern Hebrew with their major program of study may become more marketable to employers, and they often decide to pursue employment in political analysis, tourism and hospitality, foreign policy, international business, tourism, media, translation, and in different levels of education or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-modern-hebrew
DH 131
silcadvising@asu.edu
480-965-6281

## Music Entrepreneurship Certificate (HIMERTCERT)

**Campus:** Tempe

**Description:** Music entrepreneurship is a discipline that intersects the traditional music disciplines. Music entrepreneurship harnesses the skills and mindset of the entrepreneur to empower musicians to create work that is meaningful, sustainable and oriented to community and market need.

Students in a music degree program and students with a background in music benefit from the business, marketing and organizational skills they develop through the certificate courses as applied specifically to and within the arts.

**Program Requirements:**
The undergraduate certificate in music entrepreneurship consists of 15 credit hours, of which at least 12 credit hours must be upper division. There are six credit hours of required coursework and the remaining nine credit hours are selected from the electives section. A grade of "C" or better is required in all courses.

Required Courses -- 6 credit hours
MSC 484: Music Entrepreneurship Fieldwork or MUP 494: Entrepreneurship Capstone (3)
MUP 438: The Enterprising Musician (3)

Electives -- 9 credit hours
FIN 380: Personal Financial Management (3)
MCO 431: Media Entrepreneurship (3)
MHL 394: US Popular Music: Industry, Technology and Culture (3)
MSC 451: Popular Music Industry Studies I (2)
MUP 319: Advanced Audio Engineering in the Arts (2)
MUP 439: Music Product Creation and Development (3)
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 410: Social Entrepreneurship (3)
NLM 451: Grant Writing (3)
PAF 410: Building Leadership Skills (SB) (3)
THP 351: Arts Management (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate in music entrepreneurship is meant to supplement study for music majors and nonmajors in any discipline with a music background. Students may be admitted to the certificate by submitting a statement of interest outlining their music background and personal goals through the School of Music, Dance and Theatre application. For further application details, students should visit the program website (https://musicdancetheatre.asu.edu/degree-programs/music-entrepreneurship-certificate).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Apply key concepts of entrepreneurship to critical evaluation of music career paths.
- Synthesize knowledge of music entrepreneurship within the Phoenix area and surrounding communities through music entrepreneurship fieldwork.

**Career Opportunities:** Graduates who have combined the certificate in music entrepreneurship with their major program of study may become more marketable to employers. They often decide to pursue employment in such industries as arts entertainment, music business, arts administration or performance. Career examples include arts administrator, business owner, community arts advocate, performing musician and public or community school teacher.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/minors-certificates
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Nonprofit Professional Certificate (PPNPYCERT)

**Campus:** Downtown Phoenix

**Description:** This nationally recognized certificate program awards qualified students from diverse academic fields with the national Certified Nonprofit Professional credential. The CNP credential is awarded through the Nonprofit Leadership Alliance (formerly American Humanics, Inc.), a consortium of universities, nonprofits and funders that are committed to preparing students for management careers in the nonprofit sector. More information is available on the NLA website: https://nla1.org/ (https://nla1.org/).

The NLA/ASU program provides curricular and cocurricular programs that prepare students through its competency-based, experiential educational framework, which includes curriculum instruction in management of nonprofit elements (fundraising, volunteers, organizational management) and field experience.

The program is ideal for students wishing to complement their majors with a strong core of nonprofit management knowledge and skills through professional affiliation with and certification by the Nonprofit Leadership Alliance, the nation's leader in education for nonprofit careers. NLA collaborates with a number of national nonprofit organizations as well as locally based grassroots organizations that actively seek NLA and ASU program interns and job candidates.

**Program Requirements:**
The program includes active participation by nonprofit professionals who offer workshops, seminars, mentoring and field trips. The certified nonprofit professional credential can be earned in conjunction with any bachelor's degree and requires successful participation in co-curricular, experiential activities in addition to required academic coursework. For more information on the credential, please visit https://nla1.org/cnp/.

Required Courses -- 11 credit hours
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 320: Professional Development Seminar (4)
Notes:  (Taken twice over two semesters)
NLM 420: Nonprofit Leadership Alliance Institute (3)
Notes:  Offered fall semester only
NLM 440: Nonprofit Professional Certification (1)

Electives (choose two courses from list below) -- 6 credit hours
NLM 160: Voluntary Action and Community Leadership (SB) (3)
NLM 300: Fund Raising and Resource Development (3)
NLM 310: Volunteer Management (3)
NLM 380: Financial Management for Nonprofit Organizations (3)
NLM 430: Managing Nonprofit Organizations (L) (3)
NLM 451: Grant Writing (3)
NLM 484: Internship (3)

Standards
1. 17 hours of graded coursework.
2. minimum "C" (2.00 on a 4.00 scale) grade required for all courses in the certificate.
3. minimum GPA of 2.00 for those pursuing the certificate.
4. should be a junior to take 400-level courses.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The nonprofit professional credential opens up career opportunities across a range of diverse nonprofit areas, such as arts and culture; environmental, health, and human services; and youth development.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Oral History and Storytelling Certificate (ASOHCCERT)

**Campus:** West

**Description:** Through the program, students gain an understanding of and appreciation for diverse cultures, past and present, and engage in oral history research and interviewing. Students may build on existing projects or develop new community relationships at local, national and international levels.

With the knowledge and skills to abide by the professional standards involved in oral history documentation, research and presentation, students leave the program better prepared for graduate programs or careers that integrate oral history.

The program is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**
The certificate in oral history and storytelling consists of 15 upper-division credit hours. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Six credit hours may be shared between the certificate and courses for a student's major. Students should consult an academic advisor to select appropriate courses. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
HRC 310: Social and Cultural Analysis: Method and Theory (C) (3)
HRC 480: Capstone: Practices and Approaches (L) (3)

Electives -- 9 credit hours
COM 335 / IAP 335: Acting for the Camera (3)
COM 339 / ENG 339 / IAP 339: Creating Dramatic Works: Page to Stage to Screen (3)
COM 342: Oral History and Storytelling (3)
COM 394: Storytelling in the Professions (3)
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)
ENG 361: Scriptwriting (3)
ENG 394: Cross-Cultural Narratives (3)
ENG 394: Oral History & Storytelling in Humanities & Arts (3)
ENG 476: Folklore & Oral Traditions (3)
ENG 476: Folklore in Everyday Life (3)
ETH 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)
HST 419 / LAS 419: 20th Century Chicano/a History (C) (3)
IAP 364: Documentaries (3)
WST 370: Chronicling Women's Lives (HU & C) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate program in oral history and storytelling is open to all ASU undergraduate majors. This certificate is also available for graduate students and students majoring in professional programs. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The certificate program in oral history and storytelling prepares students for careers such as ethnographers, culture and history directors, videographers, editors, copy writers or journalists.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASOHCCERT/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Organizational Leadership Certificate (LSORGLCERT)

**Campus:** Online

**Description:** In the certificate program in organizational leadership, students develop the skills that leaders need to solve problems, communicate effectively, assess programs, manage resources and evaluate emerging technologies. The skills students learn are applicable to any work or environment, regardless of assigned role, in organizations across all sectors: private, nonprofit, government and military.

This certificate program is part of the AA degree in in organizational leadership.

**Program Requirements:**
The certificate in organizational leadership requires 21 hours, of which 12 must be upper division. A minimum grade of "C" is required in each course.

Required Courses -- 21 credit hours
OGL 200: Introduction to Organizational Leadership (SB) (3)
OGL 220: Behavioral Dynamics in Organizations (SB) (3)
OGL 260: Resource Allocation in Organizations (3)
OGL 300: Theory and Practice of Leadership (3)
OGL 345: Organizational Ethics (HU) (3)
OGL 355: Leading Organizational Innovation and Change (3)
OGL 381: Organizational Leadership Capstone (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students must be accepted to the U.S. Naval Community College to add this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

**Career Opportunities:** Graduates possess skills and knowledge they need for leadership positions in a wide range of organizations, such as business, government, health care administration, nonprofit agencies and the service industry.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
USE 138
CISA@asu.edu
480-965-4464

## Peace Corps Prep Certificate (LSPCPRCERT)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Description:** The Peace Corps prep certificate program is designed to foster intellectual curiosity while building the competitiveness of Peace Corps applicants.

Six sectors --- education, youth development, health, environment, community and economic development, and agriculture --- comprise the program, unified by the mandatory course IDS 355 Peace Corps Seminar. To enhance the three core competencies of sector-specific skills, intercultural competence and leadership, students are encouraged to participate in service learning, internship opportunities and study abroad experiences.

**Program Requirements:**
The Peace Corps prep certificate requires a minimum of 21 credit hours as outlined below. However, students are able to double count credits from their current major, minor, general studies requirements, or other certificates where applicable. Students are encouraged to take courses that develop breadth within their sector rather than limiting their selection to courses in one particular subject area.
Applicants should contact an academic advisor in the College of Integrative Sciences and Arts, or the Peace Corps liaison at ASU by emailing pcprepcoordinator@asu.edu.

Required Courses -- 6 credit hours
IDS 355: Peace Corps Seminar (G) (3)
any 484 Internship course or IDS 401: Integration: Experiential Learning or OGL 484: Internship (3)
Internship hours may be completed locally, out of state or through an international study abroad program. The internship must be completed in the same program sector as the affiliated program sector electives completed for a minimum of 3 credit hours.

Cultural Diversity in the U.S. or Global Awareness Course(s) -- 6 credit hours
Cultural Diversity in the U.S. (C) or Global Awareness (G) (6)
Students complete two additional "C" (Cultural Diversity in the U.S.) or "G" (Global Awareness) courses, excluding IDS 355 and the nine credit hours of sector related electives. Sector electives in excess of nine credit hours may count toward this C or G requirement. Classes can be either lower or upper division.

Electives (Choose one of the six sectors below) -- 9 credit hours
Program Sector Electives (9)
Students will select nine upper-division credit hours from one of the six program sectors of agriculture, community and economic development, education, environment, health, or youth development.
Students should see their academic advisor for a complete list of sector specific courses.

Agriculture Sector
Examples of electives include, but are not limited to:
AGB 302: International Management and Agribusiness (G) (3)
AGB 425: Food Supply Networks (3)
AGB 452: Global Food and Agricultural Trade (3)
ASB 300: Food and Culture ((L or SB) & C) (3)

Community and Economic Development Sector
Examples of electives include, but are not limited to:
ABS 364: Urban Forestry (3)
BIO 324: Environmental Ethics (HU) (3)
BIO 434: People and Nature: Ecosystem Services (3)
ECN 360: Economic Development (SB & G) (3)
GCU 364: Energy in the Global Arena (SB & G) (3)
SOS 327: Sustainable Food and Farms (3)

Education Sector
Examples of electives include, but are not limited to:
AFR 350: Inequality and Diversity in Education (L & C) (3)
ECD 321: Foundations in Language, Literacy and Culture in Early Childhood (L) (3)
ECS 315: Classroom Organization and Child Guidance (3)
HCR 402: Advocacy for Health and Health Education (3)
SOC 421: Education and Society (SB) (3)
SPF 301: Culture and Schooling (L) (3)

Environment Sector
Examples of electives include, but are not limited to:
ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G) (3)
BIO 320: Fundamentals of Ecology (3)
BIO 322: Conservation of Biodiversity (3)
GPH 314: Global Change (HU & G) (3)
SOS 326: Sustainable Ecosystems (3)

Health Sector
Examples of electives include, but are not limited to:
ASB 301: Global History of Health (SB & G & H) (3)
ASB 305: Poverty and Global Health ((L or SB) & G) (3)
ASM 345: Disease and Human Evolution (3)
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) (3)
HSC 310: Health Communication (3)

Youth Development Sector
Examples of electives include, but are not limited to:
ASB 346: Marriage and Family Diversity (SB & C) (3)
NLM 300: Fund Raising and Resource Development (3)
NLM 310: Volunteer Management (3)
PRM 315: Creating Community Through Park and Recreation Systems (3)
SWU 456: Immigrants and Refugees (C) (3)

Students will complete a three-credit-hour internship and can do so by taking any internship course so long as their internship relates to their chosen sector. *** 484 or IDS 401 or OGL 484 (or approved 3-credit internship or applied learning experience).
Students from any major have permission to register for OGL 484 in order to complete an internship related to their sector. Students may also meet the internship requirement by completing an internship experience through a study abroad program.
Study abroad or international experience is encouraged but not required. Consider IDS 394 "A Taste of Peace Corps in the Dominican Republic" during spring break as a substitute for any required certificate course.
Foreign language study to at least the 200-level is encouraged but not required.
For Peace Corps placements in Spanish or French-speaking countries, foreign language proficiency at the 200-level is often required.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** GPA Requirement: 2.00

Incompatible Majors: None

Other Enrollment Requirements: None

Applicants should contact an advisor in the College of Integrative Sciences and Arts for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a non degree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. Those who have complemented their major program of study with this specialization in Peace Corps prep may be more marketable to employers.

Students who complete this undergraduate certificate along with their major often decide to pursue employment in the foreign services, nongovernmental agencies, relief organizations, community-based organizations and government positions. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu
USE 138
CISA@asu.edu
480-965-4464

## Personal Fitness Training Certificate (NHPFITCERT)

**Campus:** Downtown Phoenix

**Description:** The personal fitness training certificate program provides students with the foundational knowledge and basic competencies they will need in order to develop evidence-based physical activity programs the general population can use to achieve positive health changes.

After completion of the certificate, students have a deeper understanding of exercise program development and human physiology, allowing them to pursue personal training certification through most accredited associations. Certification provides assurance to potential clients that students have knowledge and skills in the fitness field and can provide a sound program to meet their needs.

This program does not prepare students to work with clients with special needs or existing health conditions.

**Program Requirements:**
The certificate consists of 18 credit hours, at least 12 of which must be upper division. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.

Required Courses -- 15 credit hours
EXW 215: Resistance Training and Recovery Techniques (3)
EXW 217: Cardiorespiratory and Flexibility Training (3)
EXW 335: Physical Activity and Physiological Concepts (3)
EXW 425: Exercise Prescription for Health and Wellness (3)
SSP 320: Coaching Leadership, Performance Team and Facility Management (3)

Elective (choose one) -- 3 credit hours
EXW 302: Fundamentals of Wellness (L) (3)
EXW 344: Impact of Physical Activity on Health and Disease (L) (3)
EXW 400: Stress Management for Wellness (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Apply concepts of muscular and cardio-vascular physiological systems to make appropriate choices of movements for their clients.
- •Teach exercises that promote better overall health for clients.
- •Apply exercise science concepts to create safe and effective exercise training programs.

**Career Opportunities:** Students can improve their career options with an undergraduate certificate.

The certificate program in personal fitness training helps students become more marketable in the general health fields by providing them with specific content knowledge about exercise techniques, exercise program design, the positive impact physical activity can have on overall health, and reductions in the risk for developing chronic disease.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/NHPFITCERT/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## Philosophy, Politics and Economics Certificate (LAPHPECERT)

**Campus:** Tempe

**Description:** The philosophy, politics and economics certificate program provides students a foundation in each of these three fields as well the opportunity to consider how to integrate the three disciplinary perspectives through both the introductory and capstone courses.

The program offers core concepts, tools and content in the fundamental disciplines of ethics, politics and economics, providing students the means to address social and political challenges.

**Program Requirements:**
The certificate in philosophy, politics and economics requires 15 credit hours, of which at least 12 must be upper division. All courses for the certificate must be completed with a minimum grade of "C" (2.00 on a 4.00 scale). Students should contact the School of Civic and Economic Thought and Leadership for more information.

Required Courses -- 6 credit hours
CEL 350: Philosophy, Politics and Economics (SB) (3)
CEL 485: Capstone Seminar in Civic and Economic Thought and Leadership (3)

Economic Electives -- 3 credit hours
CEL 304 / ECN 304: Classical to Modern Economic Thought (3)

Philosophy Electives (choose one) -- 3 credit hours
PHI 306: Applied Ethics (HU) (3)
PHI 307: Philosophy of Law (HU) (3)
PHI 325: Philosophy of Social Science (HU or SB) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 337: Ethical Theory (HU) (3)
PHI 360: Business and Professional Ethics (HU) (3)

Political Science Electives (choose one) -- 3 credit hours
POS 340: History of Political Philosophy I (HU & H) (3)
POS 341: History of Political Philosophy II (HU & H) (3)
POS 346: Problems of Democracy (HU) (3)

POS 442: American Political Thought (HU) (3)
POS 443: Topics in Contemporary Political Theory (HU) (3)
POS 475: Morality and Politics (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The certificate emphasizes the transferability of the knowledge and skills gained in philosophy and economics to practical problems of political and societal governance.

The certificate prepares students for a range of important career opportunities and more generally to be leading citizens and contributors across many sectors of life, public or private, political affairs or civil society. Graduates of the program in Europe, America and around the globe have had successful careers in business administration, consulting, finance, government and political affairs, health care, industry, the tech sector, international affairs, international development, investment banking, journalism, law, management, marketing, non-profit organizations, public policy and various nonprofit organizations.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Civic & Economic Thought and Leadership
https://scetl.asu.edu/
COOR 6611
scetl@asu.edu
480-965-0155

## Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)

**Campus:** West

**Description:** The certificate in philosophy, rhetoric and literature is an interdisciplinary humanities program that integrates continental philosophy, literature, art, communication and social critique.

Students explore existential crises and the production of cultural values. They examine the anxieties and expectations surrounding cultural identity, including the expectation to adhere to sexed, racial, ethnic, social and religious norms. Special attention is given to the roles that art, literature, thought, intercultural interaction and communication play in repairing fractured histories and in the creation of better social worlds.

**Program Requirements:**
The certificate in philosophy, rhetoric and literature consists of 15 upper-division credit hours. A minimum of six upper-division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. The certificate requires three credit hours in Rhetorical Perspectives, three credit hours in Continental Philosophical Perspectives, three credit hours from Pool A and six credit hours from Pool B. Courses used for Core Requirements cannot be used to fulfill Upper Division Electives. All courses used to satisfy the requirements for the certificate must be passed with a "C" (2.00) or better.

Core I Rhetorical Perspectives -- 3 credit hours
ENG 400: History of Literary Criticism (L or HU) (3)
ENG 440: Studies in American Literature and Culture (3)
ENG 472: Rhetorical Studies (3)

Core II Continental Philosophical Perspectives -- 3 credit hours
PHI 304: Existentialism (HU) (3)
PHI 411: Continental Philosophy (HU) (3)
PHI 412: Philosophy and Literary Criticism (HU) (3)

Pool A -- 3 credit hours
COM 363: Latinxs and the Media (C) (3)
COM 464: Communicative Sexualities (SB) (3)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)
ENG 400: History of Literary Criticism (L or HU) (3)
ENG 401: Topics in Critical Theory (3)
ENG 440: Studies in American Literature and Culture (3)
ENG 454 / WST 454: Gender and Literature (L or HU) (3)

ENG 461: Studies in Women and Literature (3)
ENG 472: Rhetorical Studies (3)
ENG 478: Studies in Modernism (3)
ENG 479: Studies in Postmodernism (HU & G) (3)
ETH 473 / LAS 473 / WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)
IAP 471: Language, Culture, and Performance (L or HU) (3)
IAP 473: Aesthetic Research (L or HU) (3)
LAS 340 / WST 341: Latin American Women Writers (HU & G) (3)
PHI 412: Philosophy and Literary Criticism (HU) (3)
PHI 421: Special Topics (3)

Pool B -- 6 credit hours
AIS 320: American Indian Philosophies and World Views (HU & C) (3)
COM 321: Rhetorical Theory and Research ((L or HU) & H) (3)
COM 429: Semiotics and Visual Communication (3)
ENG 401: Topics in Critical Theory (3)
IAS 450 / PHI 450 / REL 450: Philosophical and Spiritual Issues in Death and Dying (3)
PHI 303 / REL 300: The Future of Religions (L or HU) (3)
PHI 304: Existentialism (HU) (3)
PHI 339: Philosophy of Art (HU) (3)
PHI 390 / REL 314: Jewish Philosophy (3)
PHI 411: Continental Philosophy (HU) (3)
PHI 412: Philosophy and Literary Criticism (HU) (3)
PHI 415: Philosophy and Film (HU) (3)
PHI 421: Philosophical Topics (3)
POS 494: Everyday Forms of Political Resistance (3)
REL 345: Asian Religious Traditions (HU & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate in philosophy, rhetoric and literature is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This program prepares students for advanced study in the humanities, social and behavioral sciences, and the arts, as well as lifelong learning in a variety of fields.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASPRLCERT/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Planetary Science Certificate (LAPLSCERT)

**Campus:** Tempe

**Description:** The certificate program in planetary science prepares undergraduate students in topics related to the formation and evolution of planetary bodies and associated remote sensing technologies employed in these studies. The program includes specific training in the areas of the origins of planetary systems, tectonics, volcanism, geomorphology and remote mapping of surficial geology using spacecraft and land-based observational data. Additional skills may include understanding of planetary atmospheres, astrobiology, geodynamics and cosmochemistry.

This interdisciplinary program prepares students for technical career paths, and helps prepare students to best engage with exciting opportunities in the frontier of planetary exploration.

**Program Requirements:**
The certificate requires a minimum of 18 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least nine

credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Required Courses (9-10 credit hours) -- 9 credit hours
AST 111: Introduction to Solar Systems Astronomy (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) or SES 100: Introduction to Exploration (CS) or SES 106: Habitable Worlds (SQ) or SES 107: A Solar System Journey (SG) or SES 121: Earth, Solar System and Universe (SQ) (3-4)
GLG 404: Fundamentals of Planetary Geology (3)
SES 421: Foundations of Planetary Science (3)

Electives (choose three) -- 9 credit hours
AST 494: Exoplanets (3)
GLG 321: Mineralogy or GLG 424: Petrology (3)
GLG 362: Geomorphology (3)
GLG 406: Geology of Mars (3)
GLG 418: Geophysics or GLG 419: Geodynamics (3)
GLG 420: Volcanology or GLG 422: Planetary Volcanology (3)
GLG 485: Meteorites and Cosmochemistry (3)
GLG 490: Remote Sensing (3)
SES 294: Introduction to Space Weather (3)
SES 311: Essentials of Astrobiology: Exploration for Life in the Universe or GLG 460: Astrobiology (3)
SES 494: Geology of Venus (3)
SES 494: Planetary Interiors (3)
Students may also use other courses as electives, especially special topics courses (SES/AST/GLG 494 and/or GLG 490), chosen in consultation with an academic advisor in the School of Earth and Space Exploration.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Certificate courses may have prerequisites, the most common of which are listed below. Additional enrollment requirements may include completion of these courses or their equivalents with a "C" or better:

- GLG 101/103 Introduction to Geology I (Physical), and Laboratory or SES 121/123 Earth, Solar System and Universe, and Laboratory
- a math course at the level of MAT 266 Calculus 2 or higher
- a chemistry course at the level of CHM 113 or higher
- a physics course at the level of PHY 121/122 or higher

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The employment prospects of graduates completing the planetary science certificate will be enhanced by the potential for employment at the intersection of these fields, including:

- community college and university educators teaching Earth science or astronomy classes
- docents at science museums and planetariums
- faculty and researchers at universities working on federally-funded planetary science research, instruments or missions
- K-12 educators for programs with Earth science or astronomy curriculum
- researchers in aerospace companies contracted to build subsystems, instruments or missions for federally-funded planetary science research

Examples of places in Arizona where such jobs are offered include Arizona public universities, Mesa Community College, United States Geological Survey, Lowell Observatory and the Planetary Science Institute. Arizona companies that employ people in these fields include World View, Paragon, Freefall, General Dynamics, Qwaltec and KinetX. National companies include Lockheed, Honeywell, Ball, SpaceX, Blue Origin, Virgin Galactic, Intuitive Machines, Firefly, Northrup, Axiom, Planet Labs, Blue Canyon Technologies, Astrobotic and iSpace.

Graduates could also find employment in federal labs or as congressional staff.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795

sese-advising@asu.edu
480-965-5081

## Political Economy Certificate (LAPLECERT)

**Campus:** Tempe

**Description:** The political economy certificate program engages students in studying the intersection of politics and the economy. Students learn foundational concepts from both economics and political science, and they explore how domestic and international policymakers wrestle with political-economic issues.

**Program Requirements:**
The certificate includes courses in political science, economics and other academic areas that relate to politics and the economy. Students majoring in any subject at the university may be awarded the certificate upon completion of the following: a total of 15 credit hours, of which at least 12 credit hours must be upper division. Nine credit hours must be from The College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Part One: Economics Foundation (choose one course) -- 3 credit hours
ECN 211: Macroeconomic Principles (SB) (3)
ECN 212: Microeconomic Principles (SB) (3)

Part Two: Politics Foundation (choose one course) -- 3 credit hours
POS 300: Contemporary Global Controversies (SB & G) (3)
POS 310: American National Government (SB) (3)
POS 350: Comparative Politics (SB & G) (3)

Part Three: Political Economics and the World (choose two courses) -- 6 credit hours
ECN 306: Survey of International Economics (SB & G) (3)
ECN 335: South Asia and the World Economy (SB & G) (3)
ECN 360: Economic Development (SB & G) (3)
POS 379: The Resource Curse (3)
POS 465: International Organization and Law (SB & G) (3)
POS 485: Political Economy (SB) (3)
POS 486: International Political Economy (SB & G) (3)

Part Four: Related Elective (choose one course) -- 3 credit hours
GCU 350: The Geography of World Crises (SB & G) (3)
JUS 405: Inequality, Economy and Justice ((L or SB) & G) (3)
PAF 340: Contemporary Policy Challenges (3)
PAF 351: Urban and Metropolitan Studies (3)
PAF 352: Urban Theory (3)
PAF 470: Topics in Public Economics and Financial Management (3)
POS 325: Public Policy Development (SB) (3)
POS 356: European Union (SB & G) (3)
POS 367: World Politics and Global Inequalities (G) (3)
SGS 325 / JUS 325: Globalization and Socio-Economic Justice (SB & G) (3)
SGS 350: Economic Development and Globalization (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The certificate program helps prepare students for careers in a variety of global and domestic environments.

Graduates who have combined the certificate in political economy with their major program of study may become more marketable to employers. They often decide to pursue employment in government, public policy, lobbying, nonprofit agencies or international business.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of

School of Politics and Global Studies
https://spgs.asu.edu/
COOR 6797
spgs-ugadvising@asu.edu
480-965-8563

## Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT)

**Campus:** Tempe

**Description:** Requirements for the political entrepreneurship certificate program are coursework in the social sciences, humanities, and business and an internship in a policy-related setting such as a government agency, a nongovernmental or nonprofit organization or a private enterprise that engages with public affairs.

The coursework prepares students to be civically engaged and to participate in policy processes, and a variety of internship opportunities exist for students whether their interests are in global, national, state or local issues.

**Program Requirements:**
The certificate requires a total of 15 credit hours, of which at least 12 credit hours must be completed at the upper-division level. Nine credit hours must be from courses offered by The College of Liberal Arts and Sciences.
All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Part One: Introductory Course (choose one course) -- 3 credit hours
POS 110: American Government and Politics (SB) (3)
POS 150: Comparative Government (SB & G) (3)
POS 160: Global Politics (SB & G) (3)
POS 310: American National Government (SB) (3)
SGS 101: Thinking Globally (SB & G) (3)
SGS 301: Principles of Global Studies (G) (3)

Part Two: Policy and Leadership (choose one course) -- 3 credit hours
POS 325: Public Policy Development (SB) (3)
POS 351: Democratization (SB & G) (3)
POS 361: American Foreign Policy (SB & G) (3)
POS 364: National Security, Intelligence, and Terrorism (SB) (3)
POS 410: Governing American Cities (SB) (3)
POS 426: Elements of Public Policy (SB) (3)
POS 427: Social Welfare and Health Policy (3)
POS 468: Comparative Asian Foreign Policies (SB & G) (3)
POS 486: International Political Economy (SB & G) (3)
SGS 320: Mechanisms of Global Governance (3)
SGS 321: International Institutions and Global Governance (3)
SGS 340: Violence, Conflict and Human Rights (3)
SGS 350: Economic Development and Globalization (3)

Part Three: Internship -- 6 credit hours
Students may elect to complete only 3 hours of internship in Part Three. Students selecting this option must complete six upper-division credits in Part Four.
POS 484 / SGS 484: Internship (6)

Part Four: Related Electives -- 3 credit hours
Choose one to two courses, depending on how many internship credit hours are earned.
BUA 380: Small Business Leadership (3)
BUA 383: Small Business Working Relationships (3)
COM 222: Argumentation (L) (3)
COM 225: Public Speaking (L) (3)
COM 230: Small Group Communication (SB) (3)
COM 250: Communication and the Workplace (SB) (3)
COM 259: Communication in Business and the Professions (3)
COM 312: Communication, Conflict, and Negotiation (3)
ENG 301: Writing for the Professions (L) (3)
ENT 290: Entrepreneurship: Opportunity to Impact (3)
FIN 380: Personal Financial Management (3)
JUS 320: Community and Social Justice (SB & C) (3)
MGT 380: Management and Strategy for Nonmajors (3)

NLM 160: Voluntary Action and Community Leadership (SB) (3)
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 410: Social Entrepreneurship (3)
PAF 200: Public Service and Policy in the 21st Century (3)
PAF 201: Economics and Public Policy (SB) (3)
PAF 300: Public Management and Administration (3)
PAF 305: Urban Governance (3)
PAF 311: Leadership and Change (SB) (3)
PAF 340: Contemporary Policy Challenges (3)
PAF 405: Citizen Engagement and Community Building (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 420: Managing Across Boundaries (3)
PAF 460: Public Service Ethics (3)
POS 494 / SGS 494: Diplomacy/PolicyDesignStudio I (3)
POS 494 / SGS 494: Diplomacy/PolicyDesignStudioII (3)
SGS 204: Professional Global Career Development (3)
SOS 111 / PUP 190: Sustainable Cities ((HU or SB) & G) (3)
SOS 321: Policy and Governance in Sustainable Systems (3)
USL 210: Service Learning: Intro to Diverse Community Issues (L & C) (3)
USL 410: Service Learning: Diverse Community Issues (L & C) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates with this certificate are prepared for careers in public policy in a variety of organizational settings, domestic and global. Some graduates focus on developing or implementing policy; others engage in issue advocacy or critical assessment of policy.

Graduates who have combined this certificate with their major program of study may become more marketable to employers. They often decide to pursue employment in government, lobbying, public affairs consulting or nonprofit organizations.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/
COOR 6797
spgs-ugadvising@asu.edu
480-965-8563

## Political History and Leadership Certificate (LAPTLCERT)

**Campus:** Tempe

**Description:** The certificate program in political history and leadership provides students with a strong foundation in the history of politics and political thought, with a special emphasis on the role of leadership and citizenship. Students come to understand the complexities of real decision-making beyond the abstractions. The program prepares students for leadership in their careers.

Required courses combine academic study and mentoring contact with political, media and business leaders from the wider Phoenix area and Arizona communities, while electives drawn from a variety of disciplines are used to broaden the scope of emphasis.

The program offers scholarship and internship or job placement opportunities.

**Program Requirements:**
The certificate requires 15 credit hours, of which at least 12 must be upper division. At least six upper-division hours must be completed in courses offered by The College of Liberal Arts and Sciences. All courses must be completed in residence at ASU and with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
HST 112 / POS 112: Foundations of Democracy (HU & H) (3)
HST 414 / POS 414: Political History and Leadership (3)

Elective Courses (choose three) -- 9 credit hours
Choose 9 hours of upper-division electives from the list below.
AFR 330 / JUS 330: Survey of African American Politics (SB & H) (3)
CEL 304 / ECN 304: Classical to Modern Economic Thought (3)
CEL 305: Classical Political Statecraft (3)
CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty (3)
CEL 345: Modern Economic Classics (3)
CEL 350: Philosophy, Politics and Economics (SB) (3)
CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826 (3)
HST 302: History of Money (3)
HST 306: American Political Conspiracy (3)
HST 306: Civil Rights to Black Lives Matter (3)
HST 306: Debating American Liberty (3)
HST 306: Debating the Constitution (3)
HST 306: Jacksonian America: Pwer & Politics in US 1828-61 (3)
HST 306: Liberal Revolution (3)
HST 306: The Civil War in Global Perspective (3)
HST 306: The U.S. Presidency (3)
HST 315: Political History of the U. S. (SB & H) (3)
HST 317 / POS 317: History of Postwar U.S. Conservatism (3)
HST 321: Constitutional History/US to 1865 (SB & H) (3)
HST 322: Constitutional History of the United States Since 1865 (H) (3)
HST 323 / AFR 335 / TCL 335: Historical Studies in Race, Crime, and the Law (3)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) (3)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) (3)
HST 334 / AFR 364: African American History Since 1865 ((HU or SB) & C & H) (3)
HST 354: Revolutionary Europe (SB & H) (3)
HST 356: Europe since 1945 (SB & G & H) (3)
HST 370: Eastern Europe in Transition (SB & G & H) (3)
HST 374 / LAT 374 / SLC 374: Roman History II: The Roman Empire (HU & H) (3)
HST 405: Colonial American History to 1763 (SB & H) (3)
HST 406: American Revolution/1763-1789 (SB & H) (3)
HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H) (3)
HST 408: Civil War and Reconstruction ((L or SB) & H) (3)
HST 412: Contemporary U.S., 1973- Present (SB & H) (3)
HST 426: The British Empire (H) (3)
HST 427: French Revolution/Napoleonic Era (SB & H) (3)
HST 435: The Russian Empire (SB & H) (3)
HST 439: Athenian Democracy (H) (3)
PHI 307: Philosophy of Law (HU) (3)
PHI 328: History of Ancient Philosophy (HU & H) (3)
PHI 329: History of Modern Philosophy (HU & H) (3)
PHI 335: History of Ethics (HU) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 347: Philosophical Theories of Constitutional Law (3)
PHI 401: Rationalism (3)
PHI 402: Empiricism (HU) (3)
POS 310: American National Government (SB) (3)
POS 313: The Congress (SB) (3)
POS 314: The American Presidency (SB) (3)
POS 315: The Supreme Court (SB) (3)
POS 316: American Political Institutions (3)
POS 332: American Political Parties (SB) (3)
POS 340: History of Political Philosophy I (HU & H) (3)
POS 341: History of Political Philosophy II (HU & H) (3)
POS 342: Political Theory (HU or SB) (3)
POS 346: Problems of Democracy (HU) (3)
POS 352: European Democracies (3)
POS 356: European Union (SB & G) (3)

POS 417: Arizona Politics (SB) (3)
POS 435: Women and Politics (SB & C) (3)
POS 442: American Political Thought (HU) (3)
POS 470: Law and the Political Order (SB) (3)
POS 471: Constitutional Law I (SB) (3)
POS 472: Constitutional Law II (SB) (3)
POS 475: Morality and Politics (3)
POS 485: Political Economy (SB) (3)
REL 388 / POS 388: Religion, Ethics, and International Politics (3)
WST 440: Politics of Women's Health (SB & C) (3)

Additional upper-division courses with relevant content may be used with the approval of the certificate co-directors.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will analyze ideas and questions raised by major political thinkers writing about democracy.
- Students will analyze major themes and ideas found in an array of primary sources on a topic related to political leadership in history.
- Students will demonstrate the practical skills necessary in policy-making, administration and organization, informed all the while by fundamental principles of democracy and republicanism.

**Career Opportunities:** Students become more marketable to employers and advance their career options when they have complemented their major program of study with this specialization in political history and leadership.

Students who complete this certificate often pursue employment as military and naval officers, staff for governors, members of congress, city council officials, county prosecutors, financial advisors and campaign strategists. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Power and Society Certificate (ASPWSOCERT)

**Campus:** West

**Description:** The certificate program in power and society prepares students to think critically and practically about the relationship between power and society.

Courses in the program use multiple perspectives to explore the sources, exercise and consequences of power across a variety of social and historical settings. A special focus on gender is available across the spectrum of courses listed.

**Program Requirements:**
The certificate in power and society requires a minimum of 15 credit hours (at least 12 must be upper division). Six credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and a major. A maximum of three credit hours of individualized instruction or internship may be applied toward the certificate. Only courses in which a student received a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.
Electives are not limited to the certificate elective list; see academic advisor prior to enrollment. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline.

Required Core Course -- 3 credit hours
POS 437 / SOC 437: Women, Power, and Politics (G) (3)

Electives (minimum 9 upper-division credit hours) -- 12 credit hours
Students will select 12 credit hours from relevant courses on power and society. Selected courses must come from at least two of the following subject areas to develop breadth across disciplines: ASB, JHR, POS, SBS or SOC.
ASB 211: Women in Other Cultures ((HU or SB) & G) (3)
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ASB 394 / JHR 394 / POS 394 / SBS 394 / SOC 394: Special Topics (1)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)
ASB 484 / JHR 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)
ASB 494 / JHR 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)
ASB 499 / JHR 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)
JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)
JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)
POS 150: Comparative Government (SB & G) (3)
POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) (3)
POS 350: Comparative Politics (SB & G) (3)
POS 357: South Asia Politics (SB & G) (3)
POS 361: American Foreign Policy (SB & G) (3)
POS 470: Law and the Political Order (SB) (3)
POS 480 / SBS 480: Global Justice (G) (3)
POS 486: International Political Economy (SB & G) (3)
SOC 264: Sociology of Gender (SB & C) (3)
SOC 371: Inequality and Sustainability (3)
SOC 426: Social Inequalities (SB) (3)
SOS 111: Sustainable Cities ((HU or SB) & G) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate is open to students in any major. Students should contact an advisor in the New College of Interdisciplinary Arts and Sciences for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The certificate program is recommended for students with academic or career interests in politics, government, economics, organizing and advocacy, public affairs and public policy, journalism, social work, human rights, social justice, education and sustainability. Career paths include social work, public administration, public policy and criminal justice.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASPWSOCERT/undergrad/true/177
FAB N101
sbsadvising@asu.edu
602-543-3000

## Professional Sales Certificate (BAPRSCERT)

**Campus:** Tempe

**Description:** Designed for the nonmarketing business major, the certificate in professional sales was created for business students who are interested in pursuing the many opportunities in professional sales.

With the inclusion of courses in professional sales as well as sales management, this program prepares students to be successful account managers or sales team leaders in both business-to-business and business-to-consumer settings.

An optional internship in sales is strongly encouraged as part of the professional sales certificate.

**Program Requirements:**
To receive the certificate, students must complete the specified business courses with a grade of "C" or better (2.00 on a 4.00 scale).

First Required Course -- 3 credit hours

MKT 300: Marketing and Business Performance or MKT 303: Honors Marketing Theory and Practice (L) (3)

Required Courses -- 6 credit hours
MKT 370: Professional Sales and Relationship Management (3)
MKT 410: Sales Management (3)

Electives (choose two) -- 6 credit hours
MGT 430: Negotiations (3)
MKT 435: Entrepreneurial Marketing (3)
MKT 438: Advanced Selling Using Data and Technology (3)
MKT 441: Sports Revenue Generation (3)
MKT 484: Internship (3)
Notes: Internship in sales.
MKT 493: Honors Thesis (L) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate program is open to current students in the W. P. Carey School of Business who are not in the marketing major.

No more than six credit hours may be shared between the certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in professional sales with their major program of study may become more marketable to employers. They often decide to pursue employment in sales, marketing or procurement.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/
BA 160
wpcareyug@asu.edu
480-965-4227

## Public Administration and Public Management Certificate (PPPAFCERT)

**Campus:** Downtown Phoenix

**Description:** The certificate in public administration and public management is designed for students interested in public service, for undergraduate students who are interested in developing leadership skills or who wish to enhance their degree in an existing major at ASU, for working adults who may wish to further their education yet may not be looking for a degree program, and for students of the BA in interdisciplinary studies who seek to combine certificates with their degree.

Students learn skills that enable them to analyze critical issues, build and bridge communities, deliver and manage public programs, improve the quality of life, lead change in public policy, preserve natural resources, provide public safety, reform welfare and strengthen democratic governance.

**Program Requirements:**
The certificate in public administration and public management consists of 15 credit hours of coursework; students take 12 credit hours of core classes and three credit hours of elective courses.

Core Courses -- 12 credit hours
PAF 300: Public Management and Administration (3)
PAF 340: Contemporary Policy Challenges (3)
PAF 420: Managing Across Boundaries (3)
PAF 460: Public Service Ethics (3)

Elective -- 3 credit hours
PAF Upper Division Elective (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Apply management principles within the context of public administration issues.
- Apply ethical reasoning to the context of public administration and policy issues.

**Career Opportunities:** Students receiving this certificate are prepared to pursue a career in a field related to public administration or public policy, particularly in the areas of participatory governance and public engagement. This may include opportunities as either a manager or policy analyst in local, state or federal agencies, in nonprofit organizations, and in private organizations whose work interfaces with the public sector.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Recreational Therapy Certificate (PPRECTCERT)

**Campus:** Downtown Phoenix

**Description:** Students enrolled in the therapeutic recreation certificate program gain knowledge and requisite competencies to lead recreation-based therapeutic programs as a strategy to improve individual and community health. Through curriculum foundational to the field, students learn the systematic process of conducting assessments, developing service plans, implementing therapeutic interventions, evaluating, and documenting outcomes of care. Through the academic certificate program, students examine the holistic benefits of recreational therapy through exposure to creative and expressive arts, adapted exercise and sport, aquatic therapy, therapeutic riding, horticulture therapy, community integration, leisure education and structured play.

The certificate program is an ideal choice for individuals who value the importance of a healthy leisure lifestyle for all, want to advocate for accessible recreation opportunities, and are dedicated to the use of recreation-based interventions to improve well-being.

The certificate is a valuable supplement to degrees in related fields as it helps students develop a unique set of competencies and also serves as a pathway to credentialing as a qualified provider of recreational therapy.

Students seeking professional certification in recreational therapy have the option to select specific recreational therapy content courses to contribute a portion of the requirements necessary for eligibility with the National Council for Therapeutic Recreation Certification; further information is available on their website. https://nctrc.org/about-certification/ctrs-the-qualified-provider/ (https://nctrc.org/about-certification/ctrs-the-qualified-provider/)

**Program Requirements:**
The recreational therapy certificate requires completion of 18 credit hours: six credit hours of required courses and 12 credit hours of electives. Students seeking the national credential in therapeutic recreation should select electives from that list.

Core Courses -- 6 credit hours
RTH 364: Foundations of Recreation Therapy (SB) (3)
RTH 413: Leadership and Professional Development in Recreational Therapy (3)

Electives (choose four) -- 12 credit hours
Students seeking the national credentialing through the National Council for Therapeutic Recreation (NCTRC) should select four courses from the Recreation Therapy elective list. Students interested in advancing knowledge in the field of therapeutic recreation and do not intend to seek eligibility for credentialing can pick courses from either elective list below. (12)

Recreation Therapy Electives
Students seeking the national credentialing through the National Council for Therapeutic Recreation (NCTRC) should select four courses from this

list.
RTH 400: Intervention Techniques in Recreational Therapy (3)
Notes:  Offered only in spring semester
RTH 406: Program Design and Administration in Recreational Therapy (3)
Notes:  Offered only in spring semester
RTH 440: Advocacy in Therapeutic Recreation (3)
RTH 450: Therapeutic Recreation and Community Health (3)
Notes:  Offered only in spring semester
RTH 455: Recreational Therapy and Play with Children, Youth and Families (3)
RTH 460: Assessment and Documentation in Recreational Therapy (3)
Notes:  Offered only in fall semester

Other Recreation Electives
Please note that these courses do not meet certification requirements.
CRD 302: Inclusive Community Development (SB & C) (3)
PRM 120: Leisure and the Quality of Life (SB) (3)
PRM 203: Program Planning (3)
PRM 335: Sports and Recreation for Youth Development (3)
PRM 453:  Inclusive Community Sport (3)
RTH 284: Recreational Therapy Lab (3)
RTH 384: Recreational Therapy Practicum (3)

Prerequisite courses may be needed in order to complete the requirements of this minor.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Recreational therapists practice in settings such as inpatient and outpatient physical rehabilitation, inpatient and outpatient mental health, and skilled nursing facilities as well as in assisted living and adult day programs, park and recreation and adapted sports programs, acute care hospitals, pediatric hospitals, and programs and school systems.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should review requirements for licensure on the National Council for Therapeutic Recreation Certification website: https://www.nctrc.org/ (https://www.nctrc.org/).

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/programs/undergraduate/minors-certs
UCENT 550
SCRDadvising@asu.edu
602-496-1658

## Religion, Conflict and Peace Certificate (LARELCERT)

**Campus:** Tempe

**Description:** A regional component of the religion, conflict and peace certificate program provides students with specific regional knowledge of how religion has been implicated in human conflict. Required coursework in at least two different regions fosters a comparative understanding of the dynamics of religion and conflict in historical and global contexts.

A political component explores how religion influences or is influenced by matters of state, law, government or other dimensions of political life.

A cultural component provides students with an understanding of how religion operates as a powerful force that impacts and intersects with expressions of human identity, thought and culture.

**Program Requirements:**
The certificate requires a minimum of 18 credit hours. At least 12  credit hours must be completed in upper-division coursework and at least 12 credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by The College of

Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Humanities and Social Sciences Requirement
At least six of the 18 credit hours must be fulfilled with courses from the humanities and at least three credit hours from the social sciences.
When choosing courses from the lists below, complete six credit hours from the following subject areas to fulfill the humanities requirement: ARB, CEL, CHI, FMS, GER, HEB, HST, IAS, JST, PAX, PHI, REL, or SLC.
When choosing courses from the lists below, complete three credit hours from the following subject areas to fulfill the social sciences requirement: AFR, ASB, COM, GCU, JUS, NEW, POS, SGS, SOC, or WST.

Regional Component Courses -- 6 credit hours
Select two Regional Component Courses from two different geographic regions. Available regions are Africa, Asia, Europe, Middle East and United States. (6)

Regional Component: Africa
AFR 480 / REL 461 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)
GCU 328: Geography of Middle East and North Africa (SB & G) (3)
HST 302: AFRICA: Islam in African History (3)
HST 307: Studies in African History (3)
POS 359: African Politics and Society (SB & G) (3)
REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)

Regional Component: Asia
HST 302: Envisioning Peace (3)
HST 303: Modern China: Violence (3)
HST 384 / SLC 334: Modern China: 1700 to the Present (SB & G & H) (3)
HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)
HST 392: Modern India (3)
HST 394: Pakistan, India, and Afghanistan: Peace Challenges (3)
HST 451 / CHI 451 / SLC 451: Chinese Cultural History I ((HU or SB) & H) (3)
HST 452 / CHI 452 / SLC 452: Chinese Cultural History II (SB & G & H) (3)
HST 459: Gandhi and the Politics of Nonviolence (3)
REL 345: Asian Religious Traditions (HU & G) (3)
REL 347: Religions of India ((L or HU) & G) (3)
REL 348: Religion and Culture in Southeast Asia (3)
REL 352: Modern Buddhism (3)
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 377: Religion in Russia (HU & H) (3)
REL 394: Jainism (3)
SLC 494: Religions and Conflicts in Southeast Asia (3)

Regional Component: Europe
FMS 445 / GER 445 / JST 445 / SLC 445: Holocaust, War and German Memory (HU) (3)
HST 304 / JST 304: Rebirth of European Jewish Life after 1950 (3)
HST 350: Later Middle Ages ((HU or SB) & H) (3)
HST 352: Europe's Reformations ((L or HU or SB) & H) (3)
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)
HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) (3)
HST 369 / JST 369 / REL 312: History and Memory of the Holocaust (3)
HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 377: Religion in Russia (HU & H) (3)
REL 471: Reformation and Modern Christianity (HU & H) (3)

Regional Component: Middle East
ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 341: Quran Text and Women (HU & H) (3)
GCU 328: Geography of Middle East and North Africa (SB & G) (3)
HST 372: Modern Middle East (SB & G & H) (3)
POS 353: Comparative Politics of the Middle East (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 366 / HST 339: Islam in the Modern World (HU & G) (3)

Regional Component: United States
HST 211 / JST 211 / REL 211: Jews and Judaism in America (SB & H & C) (3)
HST 315: Political History of the U. S. (SB & H) (3)
REL 319: Religion, Violence and America (3)
REL 320: American Religious Traditions (HU & C & H) (3)
REL 321: Religion in America ((L or HU) & C & H) (3)
REL 323: African American Religion (HU & C) (3)
REL 331: Indigenous American Religious History ((L or HU) & C & H) (3)

Cultural Component -- 3 credit hours
ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU & H & G) (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 341: Quran Text and Women (HU & H) (3)
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)
HEB 348 / JST 348 / REL 311 / SLC 348: Israeli Society and Culture (HU & G) (3)
HST 302: Envisioning Peace (3)
HST 302 / JST 302: Jews, Christians & Muslims in Early Modern World (3)
HST 302 / JST 302: Jews, Christians & Muslims in the Medieval World (3)
HST 302: Media, Social Justice, and Peace (3)
HST 302: Women, War and Peace (3)
HST 304: History of Antisemitism (3)
HST 304 / JST 304: Rebirth of European Jewish Life after 1950 (3)
HST 352: Europe's Reformations ((L or HU or SB) & H) (3)
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)
HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) (3)
HST 451 / CHI 451 / SLC 451: Chinese Cultural History I ((HU or SB) & H) (3)
HST 452 / SLC 452: Chinese Cultural History II (SB & G & H) (3)
HST 459: Gandhi and the Politics of Nonviolence (3)
IAS 410: Evolution of Ideas (L or HU) (3)
IAS 430: Science and Religion (L or HU) (3)
NEW 100: Introduction to Conflict Resolution (3)
PAX 230: Introduction to Peace Studies (G) (3)
PHI 318: Philosophy of Religion (HU) (3)
PHI 406 / IAS 406: Moral Dilemmas (L or HU) (3)
REL 201: Religion and the Modern World (L or HU) (3)
REL 202: Religion and Popular Culture (HU & C) (3)
REL 300: The Future of Religions (L or HU) (3)
REL 312 / HST 369 / JST 369: History and Memory of the Holocaust (3)
REL 313: Anti-Semitism in the Media (3)
REL 320: American Religious Traditions (HU & C & H) (3)
REL 321: Religion in America ((L or HU) & C & H) (3)
REL 345: Asian Religious Traditions (HU & G) (3)
REL 352: Modern Buddhism (3)
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G) (3)
REL 363 / AFR 373: Islam and World Affairs (G) (3)
REL 366 / HST 339: Islam in the Modern World (HU & G) (3)
REL 369: Women in Islam (3)
REL 377: Religion in Russia (HU & H) (3)
REL 381: Religion and Moral Issues (L or HU) (3)
REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)
REL 411: Judaism and the Beginnings of Christianity (HU & H) (3)
REL 413: Sacred Crimes: Religion and Violence (G & H) (3)
REL 461 / AFR 480 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)
REL 471: Reformation and Modern Christianity (HU & H) (3)
REL 483: Religion and Science (3)
SOC 420: Sociology of Religion (L or SB) (3)
WST 345: Gender, Religion, and Global Violence (SB & G) (3)
WST 477: Gender and Violence (SB & C) (3)

Political Component -- 3 credit hours
CEL 100: Great Ideas of Politics and Ethics (HU) (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 377: Communication, Terrorism, and National Security (3)

COM 432: Forgiveness and Reconciliation (3)
HST 304: Topic: Totalitarianism: Hitler & Stalin. (3)
HST 315: Political History of the U. S. (SB & H) (3)
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)
HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) (3)
HST 372: Modern Middle East (SB & G & H) (3)
HST 391 / SGS 381: Modern Southeast Asia (SB & G & H) (3)
HST 432: Eastern Europe the Balkans, 20th Century (G & H) (3)
HST 454: History of Genocide (G & H) (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
JUS 467: Terrorism, War, and Justice (SB) (3)
POS 353: Comparative Politics of the Middle East (3)
POS 359: African Politics and Society (SB & G) (3)
POS 364: National Security, Intelligence, and Terrorism (SB) (3)
POS 368: Ethics and Human Rights (3)
POS 447: Citizenship, Nationalism and Identity (SB & C & G) (3)
POS 475: Morality and Politics (3)
POS 480: Global Justice (G) (3)
REL 107 / SGS 107: Religion and Globalization (HU & G) (3)
REL 349 / JST 349 / HPS 349 / SOS 349: Nature, Sustainability and Religion (3)
REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)
REL 363 / AFR 373: Islam and World Affairs (G) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 378 / POS 378: Religion, War and Peace (L) (3)
REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)
REL 387: Religion and Conflict: Theories and Cases ((L or HU) & G) (3)
REL 388 / POS 388: Religion, Ethics, and International Politics (3)
REL 460: Islam and Politics (HU & G) (3)
REL 480 / SGS 441: Religion and Global Politics (L & G) (3)
SGS 340: Violence, Conflict and Human Rights (3)
SGS 341: Humanitarian Crisis and International Intervention (3)
SGS 344: Facing the Past: Truth, Memory, Denial After Atrocities (3)
SGS 466: Migration, Environment and Global Security (3)
SOC 241: Modern Social Problems (SB) (3)
WST 345: Gender, Religion, and Global Violence (SB & G) (3)

Electives (two courses) -- 6 credit hours
Certificate Electives (6)
Students select electives from any of the course lists above, keeping in mind that at least 12 credit hours within the certificate must be upper division.

In some cases, the same course can be used to fulfill more than one requirement. For more information, please contact the certificate director in the Center for the Study of Religion and Conflict.
If a course is used to meet more than one component requirement above, additional electives may be required to meet the 18 credit hour minimum. Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can become more marketable and advance their career options with an undergraduate certificate. The certificate in religion, conflict and peace complements their major program of study with specialized knowledge and enables them to demonstrate broad intellectual curiosity and skills.

Students who complete this certificate often decide to pursue employment in journalism, law, policy work, diplomacy, the military, public advocacy, publishing, education, ministry and other fields in which an enhanced understanding of religion and conflict is becoming increasingly vital. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://csrc.asu.edu/students/certificate

WHALL 130
csrc@asu.edu
480-727-6339

## Risk Communication Certificate (ASRCMCERT)

**Campus:** West

**Description:** The rising importance of the field of risk communication stems from the need to name, understand and manage physical and social risks, as society is faced with increasingly challenging decisions concerning stressed social and environmental infrastructures.

Proficiency in risk communication requires understanding the complex interfaces of physical, biological, psychological and social systems. In response, the certificate program in risk communication combines the strengths of the three schools within the New College of Interdisciplinary Arts and Sciences: the School of Social and Behavioral Sciences; the School of Mathematical and Natural Sciences; and the School of Humanities, Arts and Cultural Studies.

The program prepares students for a range of diverse careers in risk management, crisis communications and environmental public affairs. Specifically, students develop expertise suited to work as risk management specialists and environmental advocates, preparing them to translate complex scientific ideas and analyses into information that can be evaluated meaningfully by all members of society.

**Program Requirements:**
The certificate in risk communication requires 15 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper-division credit hours must be completed through courses offered by the New College of Interdisciplinary Arts and Sciences. A minimum of eight credit hours must be unique and not already being counted toward degree requirements in communication or environmental science. Other electives can be chosen in consultation with an academic advisor. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
BIO 130: Introduction to Environmental Science (SQ) or ENV 201: Fundamentals of Environmental Science (3-4)
Notes:  ENV 201 is required for Environmental Science or Biology majors only.
COM 415: Risk Communication (3)

Electives (choose three) -- 9 credit hours
COM 319: Persuasion and Social Influence (SB) (3)
COM 414: Crisis Communication (3)
COM 450: Organizational Communication (SB) (3)
COM 454: Rhetorical and Critical Approaches to Public Relations (3)
COM 463: Intercultural Communication in a Global Context (SB & G) (3)
IAS 340 / PHI 320: Bioethics (HU) (3)
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)
LSC 362: The Human Environment (3)
PTX 301: Basics of Pharmacology and Toxicology (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students wishing to pursue this certificate should consult an academic advisor in the School of Mathematical and Natural Sciences or the School of Social and Behavioral Sciences to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates of this program work in local government agencies and law enforcement, public relations organizations, advertising, marketing and insurance.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASRCMCERT/undergrad/true/177
FAB N101
sbsadvising@asu.edu

602-543-3000

## Risk Management Certificate (BARMGTCERT)

**Campus:** Polytechnic

**Description:** The certificate program in risk management gives students a solid foundation in the theory and practice of modern risk management.

The concept of enterprise risk management is highlighted at the onset of the curriculum, emphasizing that risks and risk management strategies must be considered holistically at the firm level, not in isolation. Emphasis is placed on identifying, measuring, communicating and managing a variety of risks.

Upon completion of the certificate, students are able to identify and measure a variety of business and financial risks and design and articulate strategies for managing and communicating risks.

**Program Requirements:**
This certificate requires 18 credit hours. A grade of "C" or better is required for all coursework.

Required Courses -- 9 credit hours
BUS 434: Business Risk Management (3)
BUS 436: Frontiers in Risk Management (3)
FIN 300: Fundamentals of Finance or FIN 302: Managerial Finance or FIN 303: Honors Finance (3)

Electives (select three) -- 9 credit hours
AGB 435: Commodity Futures and Options Markets (3)
BUS 384: Business Operations and Planning or SCM 432: Planning and Control Systems for Supply Chain Management (3)
COM 414: Crisis Communication (3)
FIN 421: Security Analysis and Portfolio Management (3)
FIN 427: Derivative Financial Securities (3)
IEE 454: Risk Management (3)
PMG 421: Project Risk Management (3)
SCM 314: Analytics for Logistics or SCM 315: Business Decision Models (3)
TGM 460: Global Risk Assessment and Management (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The certificate in risk management is open to all students.

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. The certificate in risk management allows students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Students who complete this undergraduate certificate often decide to pursue employment in compliance and management. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/undergraduate-degrees/programs
SANTN 230F
wpcarey.morrison@asu.edu
480-727-1586

## Russian and East European Studies Certificate (LAREECERT)

**Campus:** Tempe

**Description:** The certificate in Russian and East European studies encourages students to develop competency in Russian or another East

European or Eurasian language as well as the culture and politics of the region.

Coursework leading to the certificate is offered by outstanding faculty in diverse fields of study including architecture, economics, film studies, geography, history, international business, literature, music, political science and religious studies.

A one-credit capstone course to be completed in the student's junior or senior year is student-led; with the support of an advisor, students can write a research paper on the Russian and East European studies topic of their choice, prepare a writing sample or a graduate school application, or work on a creative project.

A student with a major in any school or department may pursue this certificate and develop a personalized plan of study in cooperation with an advisor at the Melikian Center.

**Program Requirements:**
The certificate in Russian and East European studies requires a minimum of 20 credit hours, of which at least four must be a language course and at least 12 must be upper division. A grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses used toward the certificate.

Language Requirement -- 4 credit hours
Students may complete one 4-credit hour language course from BCS, PLC, ROM, or RUS, or they may complete the Albanian, Armenian, BCS, Kazakh, Macedonian, Polish, Russian, Turkish, Ukrainian, and Uzbek courses offered by the Critical Languages Institute to fulfill the language requirement.
NOTE: Native speakers of a language must complete four credit hours in a different language to fulfill this requirement.
BCS 101: Elementary Serbo-Croatian (G) (4)
BCS 102: Elementary Serbo-Croatian (G) (4)
BCS 201: Intermediate Serbo-Croatian (G) (4)
BCS 202: Intermediate Serbo-Croatian (G) (4)
BCS 311: Bosnian/Croatian/Serbian Composition and Conversation I (3)
BCS 312: Bosnian/Croatian/Serbian Composition and Conversation II (3)
PLC 101: Elementary Polish (4)
PLC 102: Elementary Polish (4)
PLC 201: Intermediate Polish (4)
PLC 202: Intermediate Polish (4)
PLC 311: Advanced Polish I (3)
PLC 312: Advanced Polish II (3)
ROM 101: Elementary Romanian Language and Culture I (HU & H & G) (4)
ROM 102: Elementary Romanian Language and Culture II (HU & H & G) (4)
ROM 201: Intermediate Romanian Language and Culture I (HU & H & G) (4)
ROM 202: Intermediate Romanian Language and Culture II (HU & H & G) (4)
ROM 313: Romanian Composition and Conversation (HU & H & G) (3)
ROM 314: Romanian Composition and Conversation (HU & H & G) (3)
ROM 411: Advanced Spoken and Written Romanian I (HU & H & G) (3)
ROM 412: Advanced Spoken and Written Romanian II (HU & H & G) (3)
RUS 101: Elementary Russian I (5)
RUS 102: Elementary Russian II (5)
RUS 201: Intermediate Russian I (G) (5)
RUS 202: Intermediate Russian II (G) (5)
RUS 211: Conversational Russian I (G) (3)
RUS 212: Conversational Russian II (G) (3)
RUS 311: Russian Society I (G) (3)
RUS 312: Russian Society II (G) (3)

Required Certificate Electives (choose two) -- 6 credit hours
ENG 429 / SLC 429: What is Europe? (3)
GCU 426: Geography of Russia and Surroundings (SB & G) (3)
GSC 509: Emerging Technologies and Global Security (3)
HST 304: Russia: Empire of the Tsars, 1650-1917 (3)
HST 304: Russia & Ukraine: Understanding the Crisis (3)
HST 304: Stalin to Putin (3)
HST 304: Stalinism: Society & Culture in Sov Un, 1924-1953 (3)
HST 370: Eastern Europe in Transition (SB & G & H) (3)
HST 435: The Russian Empire (SB & H) (3)
HST 436: Rise & Fall of Soviet Communism (SB & G & H) (3)
POS 352: European Democracies (3)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)
SGS 344: Facing the Past: Truth, Memory, Denial After Atrocities (3)
Other HST 304 topics appropriate to the certificate's regional focus may be used with the approval of the certificate advisor.
Courses shown above not used to satisfy a Required Certificate Elective may be used as an Area-Related Elective.

Area-Related Electives -- 9 credit hours
ARC 330: World and Western Architecture for Nonmajors (HU & H & G) (3)
ARC 331: World and Western Architecture I ((L or HU) & G & H) (3)
ARC 332: World and Western Architecture II ((L or HU) & G & H) (3)
ASB 345: Culture and Society Transformation (SB & G) (3)
COM 691: Strategic Communication and Disinformation (3)
ENG 332: Jewish Writers & The Cold War (3)
ENG 333: American Jewish Literature during the Cold War (3)
ENG 435: Literatures and Cultures of Immigration and Diaspora (3)
GCU 325: Geography of Europe (SB & G) (3)
HST 294 / HON 294: Russian Pop Culture: Protest and Propaganda (3)
HON 394: Amazons to Fighter Pilots:HistoryofWarSex&Gender (3)
HON 394: Archaeology of the Silk Roads (3)
HON 394: Dictatorship & the Twentieth Century (3)
HON 394: Love,Hospitality,Belonging:LivesBetweenEurope&Asia (3)
HON 394: Mummies and Marauders, Merchants and Monks (3)
HON 394: Points of Entry:Space&Place in Eurasian Borderland (3)
HON 394: The Cold War World:Conflict,Vitriol,&Globalization (3)
HST 302: War and Political Thought (3)
HST 302: WWII in Comparative Perspective (3)
HST 304: A Survey of Soviet History (3)
HST 304: Black Death:Pandemic Disease in the Medieval World (3)
HST 304 / JST 304: Exiles, Migrants, Refugees in Jewish History (3)
HST 304: Fascism: Italy, Germany, and Beyond (3)
HST 304: Nazi Germany (3)
HST 304: Topic: Totalitarianism: Hitler & Stalin. (3)
HST 350: Later Middle Ages ((HU or SB) & H) (3)
HST 354: Revolutionary Europe (SB & H) (3)
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)
HST 356: Europe since 1945 (SB & G & H) (3)
HST 359: Jewish History from 1492 to 1948 (SB & G & H) (3)
HST 369: History and Memory of the Holocaust (3)
HST 429: Modern Germany (SB & G & H) (3)
HST 430: The Ottoman Empire in the Classical Period (3)
HST 454 / REL 454 / FOR 454: History of Genocide (G & H) (3)
HST 460: World War II (HU & H & G) (3)
HST 495: Russian Revolution (L) (3)
HST 495: World War II in Poland (L) (3)
IDS 313: Identity and Conflict in Europe (3)
IGD 598: Global Capitalism and Inclusive Development (3)
JHR 501: Proseminar in Social Justice and Human Rights (3)
JHR 598: Social Inequality (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
LIA 194: DiscSem: The Law of Armed Conflict & War Crimes (3)
MHL 445: Music of the Silk Road (HU & G) (3)
MHL 598: Shostakovich, his life and times (3)
POS 305: Conflict and Film (SB) (3)
POS 305: Politics and Film (SB) (3)
POS 352: European Democracies (3)
POS 394: Gender and Armed Conflict (3)
POS 394: History & Politics of the United Nations: Model I (3)
POS 486: International Political Economy (SB & G) (3)
POS 494 / SGS 494: Democratic Erosion (3)
POS 485: Political Economy (SB) (3)
POS 598: Politics of Authoritarian Rule (3)
REL 301: Comparative Mysticism (HU) (3)
REL 365: Islamic Civilization (HU & H) (3)
REL 366: Islam in the Modern World (HU & G) (3)
REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)

ROM 343: Culture and Society Transformation (SB & G) (3)
RUS 141: Russian Civilization: From Tsars to Putin ((L or HU) & G & H) (3)
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) (3)
RUS 421: Pushkin (L or HU) (3)
RUS 423: Dostoevsky and Tolstoy (L or HU) (3)
RUS 425: Chekhov and Russian Drama (L or HU) (3)
RUS 430: Russian Short Story (L or HU) (3)
RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (L or HU) (3)
RUS 440: Russian Mass Media (G) (3)
SGS 341: Humanitarian Crisis and International Intervention (3)
SGS 344: Facing the Past: Truth, Memory, Denial After Atrocities (3)
SGS 370: Geopolitics (3)
SGS 494: International Criminal Tribunals & Global Security (3)
SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) (3)
SLC 212: Language and Culture Clash ((HU or SB) & G) (3)
SLC 304 / SLV 304: Digital Humanities for Language Majors (CS) (3)
SLC 429: Politics & Culture in European Short Fiction (3)
SLC 442 / ROM 442: Dracula and Vampire Lore ((L or HU) & G & H) (3)
SLC 494: Society and Culture in Modern Europe (3)
SLV 440: History of Slavic Languages (SB) (3)
Students complete the minimum 12 credit upper-division requirement with at least six credit hours of electives selected from the above list. Arranged honors theses and upper-division colloquia with Melikian Center faculty affiliates may also be used toward this requirement. An additional required or area-related elective OR an additional language course must be used toward the fulfillment of the 20 credit-hour requirement.

Capstone Project -- 1 credit hours
LIA 485: REES Certificate Capstone (1)
In their junior or senior year, students will complete the 1-credit REES Certificate Capstone. This can be in the form of a reading course offered by the Melikian Center OR a project chosen in cooperation with a Melikian Center faculty affiliate. The project should represent an extended, research-based focus on some dimension of the region's languages, cultures, religions, histories, and/or politics. It may take the form of an extended research paper, honors thesis, translation project, research assistantship, or internship.

Other courses may be used with the approval of the certificate advisor.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Analyze or examine a current or historical issue in Russia, Eastern Europe or Eurasia; utilize and evaluate sources of information on the issue; and construct an argument or produce a creative project about the issue.
•Demonstrate a high degree of competency, defined as the ability to use language in real world situations in a manner deemed appropriate by native speakers and instructors of the language, in a REES language.

**Global Opportunities:**
Global Experience: The Critical Languages Institute (https://melikian.asu.edu/cli) at Arizona State University's Melikian Center is a national training institute for less-commonly taught languages. It offers summer intensive courses and study abroad programs around the world. Languages taught include Albanian, Armenian, Bosnian/Serbian/Croatian, Hebrew, Indonesian, Kazakh, Macedonian, Persian/Farsi, Polish, Russian, Tatar, Turkish, Ukrainian and Uzbek.

Specially designed summer intensives on the ASU campus prepare students, even beginners, to function competently in the language they are learning when they go abroad. Once overseas, students live the language as they participate in family life, join sports and gaming clubs, sing in choirs, participate in neighborhood projects, and otherwise actively immerse themselves in the culture.

**Career Opportunities:** Students who complete the Russian and East European studies certificate enhance their prospects for highly competitive study-abroad scholarships, including Fulbright, Boren, and Critical Language Scholarship Program, and for selective graduate programs. Certificate holders may also qualify for unique internships and entry-level government employment opportunities at agencies such as the State Department and the National Security Agency.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://melikian.asu.edu/
CPCOM 331
melikiancenter@asu.edu
480-965-4188

## Sales and Marketing Essentials Certificate (BASMECERT)

**Campus:** Tempe

**Description:** Designed for undergraduate nonbusiness majors, the certificate program in sales and marketing essentials offers a set of courses that cover indispensable marketing knowledge in a wide variety of marketing application domains.

Students are required to enroll in two fundamental courses in marketing and also choose three additional courses from a larger set (services marketing, business marketing, global marketing, sports business and advertising) to tailor the certificate to their particular interests.

While some courses are offered in a face-to-face setting, the entire certificate is offered via iCourse for flexibility and convenience.

**Program Requirements:**
The certificate in sales and marketing essentials requires 15 credit hours. The entire certificate may be completed online.
To receive the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

Required Courses -- 6 credit hours
MKT 390: Essentials of Marketing (3)
MKT 391: Essentials of Selling (3)

Electives (choose three) -- 9 credit hours
MKT 392: Essentials of Business Marketing (3)
MKT 395: Essentials of Advertising and Marketing Communication (3)
MKT 396: Essentials of Services Marketing (3)
MKT 397: Essentials of Global Marketing (3)
MKT 398: Essentials of Sports Business (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** This certificate program is for nonbusiness majors only.

No more than six credit hours may be shared between the certificate and other degree programs, minors, or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates who have combined the certificate in sales and marketing essentials with their major program of study may become more marketable to employers, and they often decide to pursue employment in sales or marketing.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/
BA 160
wpcareyug@asu.edu
480-965-4227

## School Nutrition Certificate (ECNTRCERC)

**Campus:** Downtown Phoenix

**Description:** The certificate in school nutrition is for current degree-seeking students and postbaccalaureate students who are interested in qualifying to sit for the school nutrition specialist credential offered by the School Nutrition Association.

This certificate program provides a higher level of information on the requirements to run a school food service operation and offers students insight into the rules and regulations of the National School Lunch Program. More information for this credential is available on the SNA website at https://schoolnutrition.org/careers-training/certificate-credentialing/certificate-program/ (https://schoolnutrition.org/careers-training/certificate-credentialing/certificate-program/).

Individuals must complete 900 working hours in a school nutrition or food service environment before they are eligible to sit for the national exam. There is also a cost associated with taking the exam. More information can be found on the SNA website at https://schoolnutrition.org/careers-training/certificate-credentialing/credentialing/ (https://schoolnutrition.org/careers-training/certificate-credentialing/credentialing/).

**Program Requirements:**
The certificate requires a total of 30 credit hours. A minimum grade of "C" (2.00 on a 4.00 scale) is required for each course.

Required Courses -- 30 credit hours
ACC 382: Accounting and Financial Analysis (3)
HEP 100: Introduction to Health and Wellness (SB) or EXW 302: Fundamentals of Wellness (L) or EXW 325: Fitness for Life (3)
HSC 355: Eating for Lifelong Health (SB) or NTR 450: Nutrition in the Life Cycle (SB) (3)
NTR 142: Applied Food Principles (3)
NTR 343: Food Service Purchasing (3)
NTR 344: Nutrition Management and Leadership (L) (3)
NTR 345: Development of Healthy Cuisines or NTR 341: Medical Nutrition Therapy I (3)
NTR 400: Preprofessional Preparation in Dietetics or NTR 402: Preprofessional Prep in Nutrition Careers (1)
NTR 445: Management of Food Service Systems (4)
NTR 448: Community Nutrition (L) (3)
NTR 498: Child Nutrition Seminar (1)
Notes: Only offered in the spring semester.
NTR 400 should be taken by Dietetics (DPD) students only.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** GPA Requirement: 2.00

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will utilize the knowledge of nutrition, food science and communication skills to convey food and nutrition information.
- Students will apply food safety and sanitation protocols and practices to food service environments.
- Students will demonstrate application of principles of food management and systems in the provision of food and nutrition services to individuals and organizations.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate.

The certificate in school nutrition can help students gain entry-level school food service positions such as food service manager, child nutrition coordinator, food service worker, school food menu planner or child nutrition manager.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/ECNTRCERC/undergrad/true/91465
HLTHN 401AA

chs@asu.edu
602-496-3300

## Secondary Education Certificate (TESEDCERT)

**Campus:** Polytechnic, Tempe, West, ASU at Lake Havasu, ASU at The Gila Valley

**Description:** The secondary education certificate program prepares students who wish to teach students enrolled in grades 6-12. While students develop a strong content background, the secondary education certificate program focuses on developing the requisite teaching knowledge and abilities for successfully teaching middle or high school students. In order to integrate teacher preparation with the academic specialization, Mary Lou Fulton Teachers College collaborates and communicates with academic departments throughout the university. Professional experiences and residency are required components of this certificate.

Students who complete this certificate program are issued an institutional recommendation for certification in Arizona. Students desiring to teach in a public school must also pass the Professional Knowledge Arizona Educator exam (either the National Evaluation Series or the Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

The secondary education undergraduate certificate is also available for students who have earned a bachelor's degree; this is considered a nondegree graduate pathway.

Format option
This program is also offered via ASU Sync (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Program Requirements:**
The certificate requires completion of 32 credit hours.

Required Courses -- 16 credit hours
SPE 222: Orientation to Education of Exceptional Children (SB & C) (3)
TEL 310: Instructional Thought and Action: Instructional Design and Planning (3)
TEL 317: Instructional Thought and Action: Learning Environment and Management (3)
TEL 318: Instructional Thought and Action: Assessment for Learning (3)
TEL 332: Disciplinary Literacy Methods (3)
TEL 471: Professional Educator Series: The Principled Educator (1)

Methods Course (choose one) -- 3 credit hours
Please consult with MLFTC academic advisor to select appropriate subject methods course.
BIO 480: Methods of Teaching Biology (3)
CHM 480: Methods of Teaching Chemistry (3)
ENG 480: Methods of Teaching English: Composition (L) (3)
ENG 482: Methods of Teaching English: Language (L) (3)
HST 480: Methods of Teaching History: Classroom Resources (3)
MTE 482: Methods of Teaching Mathematics in Secondary School (3)
MTE 485: Methods of Teaching Standards-Based Middle Grades and Early Secondary Mathematics (3)
MTE 494: Advanced Methods of Tchng Mthmtics in Scndry Schls (3)
PHY 480: Methods of Teaching Physics (3)
SED 403: Secondary Principles, Curriculum and Methods (3)
SED 480: Special Methods of Teaching Social Studies (3)
SED 482: Science Teaching Methods for Secondary Schools (3)
SES 480: Teaching Earth and Space Sciences (3)

Required Clinical Experiences -- 13 credit hours
TEL 477: Internship: Advanced (2)
TEL 488: Student Teaching (11)

Recommended Course (Not Required) -- 3 credit hours
BLE 220: Foundations of Structured English Immersion (L) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students interested in pursuing the secondary education certificate should be enrolled as a degree-seeking undergraduate student. This program is also available to students in the Phoenix area or Gila Valley area (Morenci) who have already completed a bachelor's degree and want to be certified to teach. Students interested in this option apply to ASU as a nondegree-seeking graduate student.

Students interested in this program should have content knowledge in one of the following areas, demonstrated by having a minimum of 24 credit hours in coursework for the major or a passing score on appropriate teacher certification exam: biology, business, chemistry, Chinese (Mandarin), earth and space science, economics, English, French, general science, geography, German, history, mathematics, physics, political science or Spanish.

Students should have a valid Arizona DPS Identity Verified Print fingerprint clearance card.

A GPA of 2.25 is required for progression into the final semester of student teaching. Students should contact the Mary Lou Fulton Teachers College for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The secondary education certificate prepares students for the high-demand, secure field of education.

Graduates who have combined the certificate in secondary education with their major program of study may become more marketable to employers. They often decide to pursue employment as a middle-school teacher, a high school teacher, or an educator at a community-serving organization.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 120
educationadvising@asu.edu
480-965-5555

## Security Studies Certificate (PPSCSCERT)

**Campus:** Downtown Phoenix

**Description:** The security studies certificate program provides students with the skills and credentials necessary for expanding their employment opportunities in corporate and public security.

Through the 24 credit hour curriculum, students receive extended education in transdisciplinary topics such as accounting, computer studies, information systems, and crime analysis; part of the curriculum consists of advanced crime and law courses.

Upon completion of this certificate, students are well equipped to have fluid conversations with professionals from different backgrounds about security, whether corporate or private.

**Program Requirements:**
Required Core Courses -- 12 credit hours
ACC 382: Accounting and Financial Analysis (3)
CIS 105: Computer Applications and Information Technology (CS) (3)
CRJ 201: Criminal Justice Crime Control Policies and Practices (3)
CRJ 419: Domestic Terrorism (3)

Select two courses from the following
-- 6 credit hours
CRJ 410: Criminal Procedure I: The Law of Investigations (3)
CRJ 412: International Terrorism (3)
CRJ 450: Crime Analysis (3)

CRJ 463: White Collar Crime (3)
CRJ 464: Organized Crime (3)

Select one course from the following -- 3 credit hours
CIS 235: Introduction to Information Systems (3)
CPI 101: Introduction to Informatics (CS) (3)
CSE 100: Principles of Programming with C++ (CS) (3)
CSE 110: Principles of Programming (CS) (3)
CSE 180: Computer Literacy (CS) (3)

Select one course from the following -- 3 credit hours
CRJ 484: Internship (3)
LAW 480: Business Law (3)
LES 305: Business Law and Ethics for Managers (3)

A grade of "C" (2.00 on a 4.00 scale) or better is required for all coursework.
Bachelor of Science in criminology and criminal justice majors who are also pursuing the security studies certificate may not use CRJ 410, CRJ 412, CRJ 450, CRJ 463, CRJ 464, and CRJ 494 towards both their degree and certificate.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates of the security studies certificate program find a strong job market in the public and private sectors. Employment opportunities exist in supervisory and management positions in corporate and public security as well as in criminal justice agencies at federal, state and local levels.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
SCCJAdvising@asu.edu
602-496-1658

## Small Business and Entrepreneurship Certificate (BASMBCERT)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Description:** In the certificate program for small business and entrepreneurship, students learn how to launch their own business or work with small or startup operations. Course topics include small business, entrepreneurship and business plan development. Classroom work is complemented by frequent interaction with successful founders and leaders of entrepreneurial ventures.

**Program Requirements:**

**Enrollment Requirements:** The certificate in small business and entrepreneurship is available only to business majors at ASU. Students majoring in business entrepreneurship or management with an entrepreneurship focus are not eligible to pursue this certificate.

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. The certificate in small business and entrepreneurship allow students to develop additional competencies that complement the marketable knowledge and skills they acquire in their majors.

Students who complete this undergraduate certificate often decide to pursue employment in management or sales. Advanced degrees or

certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/
BA 160
wpcareyug@asu.edu
480-965-4227

## Social Science Research Methods Certificate (LASSRMCERT)

**Campus:** Tempe

**Description:** The certificate program in social science research methods prepares students to acquire, manage and analyze a broad range of data on human thought and human behavior. Data can be qualitative (e.g., text, images, sound) or quantitative (e.g., direct observation, surveys, GIS).

Data acquisition skills may include the downloading and managing of information from online sources, the primary collection of data in surveys, or direct observation. A key feature of this program is a focus on data analysis so students are able to analyze any data they collect.

All students in this program demonstrate skills in statistical analysis plus skills in a selection of methods related to their interests.

**Program Requirements:**
The certificate requires 18 credit hours, 12 of which must be upper division. A minimum of a "C" grade (2.00 on a 4.00 scale) in each course is required.

Required Course -- 3 credit hours
GIS 469 / SOC 469: Multivariate Statistics for Social Sciences or STP 452: Multivariate Statistics (3)

Electives -- 12 credit hours
Choose at least four courses for a minimum of 12 credit hours. At least six credit hours must be upper division.
ACO 100: All About Data: Design, Query, and Visualization (CS) (3)
ACT 435: Statistics for Risk Modeling (3)
ACT 450: Actuarial Models (3)
ALA 235: Introduction to Computer Modeling (CS) (3)
AML 253: Introduction to Mathematical Tools and Modeling for the Life and Social Sciences (3)
AML 441: Mathematical Concepts and Tools in Sustainability (3)
ASM 494: Models in Social Evolution (3)
BME 301: Numerical Methods in Biomedical Engineering (2)
BMI 211: Modeling Biomedical Decisions (3)
BMI 311: Modeling Biomedical Knowledge (3)
BMI 312: Modeling Biomedical Data (3)
BMI 461: Advanced Topics in Biomedical Informatics I (3)
BMI 462: Advanced Topics In Biomedical Informatics II (3)
COM 308: Advanced Research Methods in Communication (L) (3)
COM 407: Advanced Critical Methods in Communication (3)
CRJ 303: Statistical Analysis (CS) (3)
ECN 410: Applied Regression Analysis and Forecasting (3)
ECN 416: Game Theory and Economic Behavior (3)
EDP 454: Statistical Data Analysis in Education (CS) (3)
FAS 361 / SOC 391: Applied Research Methods (L or SB) (3)
FAS 498: Advanced Statistics for Social Sciences (3)
GCU 351: Population Geography (SB & G) (3)
GCU 373: Introduction to Geographic Information Science (SG) (4)
GCU 442: Geographical Analysis of Transportation (SB) (3)
GCU 496: Geographic Research Methods (L) (3)
GIS 311: Geographic Information Science III (CS) (4)
GIS 322: Programming Principles in GIS II (3)
GIS 341: Cartography and Georepresentation (CS) (3)
GIS 431: Spatial Databases (3)
GIS 441: Geographics: Interactive and Animated Cartography and Geovisualization (CS) (3)
GIS 461 / PUP 481: Fundamentals of Spatial Optimization (3)
GIS 462: Location Analysis and Modeling (3)
GIS 470: Advanced Statistics for Geography and Planning (CS) (3)
GIS 471: Spatial Statistics for Geography and Planning (3)

GIS 472: Spatial Regression Analysis (3)
GPH 494: Advanced Digital Analysis (3)
HSE 290: Experimental Methods for Human Systems Research (L) (3)
HSE 390: Qualitative Research Methods (L) (3)
IFT 200: Information Modeling, Storage and Retrieval (3)
IFT 410: Big Data Tools and Practices (3)
MKT 352: Marketing Research (L) (3)
POS 301 / SGS 305: Empirical Political Inquiry (SB) (3)
POS 401 / SGS 401: Political Statistics (CS) (3)
PUP 424: Planning Methods (4)
PSY 330: Statistical Methods (CS) (3)
SBS 302: Qualitative Methods (3)
SBS 404: Social Statistics II: Multivariate Analysis (CS) (3)
SOC 389 / SBS 389 / ASB 389: Ethnographic Field Lab (1-6)
SOS 211: Calculus and Probability for the Life and Social Sciences (MA) (3)
STP 280: Probability and Statistics for Researchers (CS) (3)
STP 310: Design and Analysis of Experiments (3)
STP 311: Regression and Time Series Analyses (3)
STP 315: Statistical Computing (3)
STP 420: Introductory Applied Statistics (CS) (3)
STP 421: Probability (3)
STP 425: Stochastic Processes (3)
STP 429: Applied Regression (CS) (3)
STP 450: Nonparametric Statistics (3)
STP 460: Categorical Data Analysis (3)
TWC 301: Fundamentals of Writing for Digital Media (L) (3)
TWC 411: Principles of Visual Communication (L) (3)

Required Capstone Course -- 3 credit hours
ASB 499: Individualized Instruction or an equivalent capstone course approved by academic advisor (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** The demand in the job market is for people with a skill set that enables them to solve complex problems. There is a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data to address these challenges.

Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- directing nonprofit organizations
- directing programs in the private or public sector

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

## Social Transformation Certificate (LASOTCERT)

**Campus:** Tempe

**Description:** Students enrolled in the certificate program examine how varied communities have faced and solved the needs of social change.

They consider how to apply what they have learned in identifying just solutions to the social problems currently facing society. The areas of focus include a variety of themes such as:

- civil rights movements
- democracy movements
- gender equality
- gender justice
- immigration
- labor movements

**Program Requirements:**
The certificate requires a minimum of 15 credit hours, of which at least 12 credit hours must be completed at the upper-division level. A minimum of 12 credit hours must be completed at ASU. Courses for the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
APA 220 / JUS 220 / SST 220: Introduction to Social Transformation (3)
SST 484: Internship or SST 499: Individualized Instruction (3)

Electives (choose three) -- 9 credit hours
AFR 325 / JUS 326: Music as Political Discourse: Reggae, Calypso, and Hip Hop (HU & H & G) (3)
AFR 365 / WST 364: Unruly Voices: Black Women and Cultural Narratives (HU & C) (3)
AFR 420: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)
AFR 470: Women's International Human Rights (3)
APA 350: Inequality and Diversity in Education (L & C) (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 341: Social Contexts for Performance (3)
ENG 333: American Ethnic Literature (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
ENG 371: Rhetoric of the Environmental Movement (3)
HST 306: Studies in United States History (3)
HST 354: Revolutionary Europe (SB & H) (3)
JUS 320: Community and Social Justice (SB & C) (3)
JUS 321: Wealth Distribution and Poverty (SB & C) (3)
JUS 350: Immigration and Justice (SB & C) (3)
JUS 375: Justice and the Mass Media (SB) (3)
JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)
JUS 444: Environment and Justice (L & C) (3)
JUS 460: Feminism and Justice (C) (3)
JUS 497: Digital Activism (3)
NLM 410: Social Entrepreneurship (3)
PAF 305: Urban Governance (3)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) (3)
SOC 352: Social Change (SB & G & H) (3)
TCL 340: Chicana/o and Latina/o Politics and Policy (L & C) (3)
TCL 341: Latinas/os and the City (C) (3)
THP 482: Theatre for Social Change (C) (3)
WST 375: Women and Social Change (SB & C) (3)
WST 377: History of American Feminist Thought (H & C) (3)
WST 378: Global Feminist Theory (L & G) (3)
WST 380: Race, Gender, and Class (SB & C) (3)

Courses in addition to those in the list above may be used with the approval of an academic advisor in the School of Social Transformation. Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Employ and critically assess core theory, concepts, and methods for the study of social change issues and examining solutions to social problems.

•Apply the foundations and principles of social change to the specific domestic or international issues through community engagement and research.

**Career Opportunities:** Graduates who have combined the certificate in social transformation with their major program of study may become more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Socio-Legal Studies Certificate (LASLSTCERT)

**Campus:** Tempe

**Description:** The distinction between law on the books and law in action, which refers to how people experience law in their everyday lives, is a cornerstone of the certificate program.

The undergraduate certificate program in socio-legal studies offers a model for educating and training students in the study of legal ideas, institutions and practices from the perspectives of the social sciences, law and the humanities.

**Program Requirements:**
Students must complete 15 credit hours with at least 12 credit hours completed at the upper-division level. A minimum grade of "C" (2.00 on a 4.00 scale) is required for a course to count toward the certificate.

Core Theory and Foundation Courses (choose two) -- 6 credit hours
JUS 303: Justice Theory (L) (3)
JUS 308: Courts and Society (3)
JUS 360 / CRJ 350: Law and Social Control (SB) (3)
JUS 410: Punishment: Logic and Approach (3)
JUS 463: Discretionary Justice (SB) or CRJ 470: Discretionary Justice (L or SB) (3)
JUS 465: Death Penalty in the United States (L) (3)
PHI 307: Philosophy of Law (HU) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 408: Feminist Ethics (HU) (3)
POS 315: The Supreme Court (SB) (3)
POS 465: International Organization and Law (SB & G) (3)
POS 471: Constitutional Law I (SB) (3)
POS 472: Constitutional Law II (SB) (3)

Interdisciplinary Elective Component (choose three) -- 9 credit hours
Interdisciplinary electives must be taken from at least two different academic disciplines. Any course listed below may count towards this requirement. Other courses can be approved by the certificate program director.
AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU & G) (3)
AFR 301 / JUS 300: Race and Racism in Africa/African Diaspora (SB & G) (3)
AFR 304 / JUS 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H) (3)
AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB & G) (3)
AFR 428 / JUS 428 / APA 428 / SST 428: Critical Race Theory (3)
CRJ 305: Gender, Crime, and Criminal Justice (C) (3)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)
JUS 329: Domestic Violence (SB) (3)
JUS 350: Immigration and Justice (SB & C) (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
JUS 422 / WST 422: Women, Law, and Social Control (3)
JUS 425: Race, Gender, and Justice ((L or SB) & C) (3)
JUS 430: Social Protest, Conflict, and Change ((L or SB) & C) (3)
JUS 432: Racial Justice (L) (3)
JUS 467: Terrorism, War, and Justice (SB) (3)
JUS 469: Political Deviance and the Law ((L or SB) & C) (3)

JUS 470: Alternative Dispute Resolution (L & C) (3)
JUS 484: Internship (3)
JUS 498: Pro-Seminar (3)
POS 370: Law and Society (SB) (3)
POS 470: Law and the Political Order (SB) (3)
PSY 468: Psychology and Law (3)
SOC 340: Social Deviance (SB) (3)
SOC 445: Globalization, Development, and Resistance (SB & G) (3)
TCL 335 / HST 323 / AFR 335: Historical Studies in Race, Crime, and the Law (3)
TCL 340: Chicana/o and Latina/o Politics and Policy (L & C) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Students who have attained sophomore standing (30 credit hours) in any undergraduate degree program at ASU are eligible for admission to the certificate program for socio-legal studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Critically assess core socio-legal theory, concepts and methods.
•Demonstrate the ability to apply the fundamental principles of socio-legal studies to specific domestic or international issues through direct community engagement or research.

**Career Opportunities:** Graduates who have combined the certificate in socio-legal studies with their major program of study may be more marketable to employers. They often decide to pursue employment in law, education, public service, and human welfare and social work. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Spanish for the Professions Certificate (LSSPPRFCER)

**Campus:** Downtown Phoenix

**Description:** This 18 credit hour certificate program helps students hone Spanish communication skills and gain the cultural knowledge that can help them serve the needs of the growing U.S. Latino community.

The combination of professionally focused courses and practical experience in this program enhances students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S. Latino culture.

**Program Requirements:**
The Spanish for the professions certificate requires a total of 18 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required for all courses. Pass/Fail courses cannot be used.

Required Courses -- 6 credit hours
SPA 404: Spanish in U. S. Professional Communities ((L or HU) & C) (3)
SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G) (3)

Electives (choose one Focus Areas below) -- 12 credit hours
Upper Division Focus Area (12)
Students will select twelve upper-division credit hours from one of the three Focus Areas: Spanish for the Professions, Professional Spanish and Latinx Cultures for Social Care and Public Work, or Professional Spanish and Latinx Cultures for Heritage Speakers.

Spanish for the Professions
Required:
SPA 317: Spanish for the Professions (G) (3)
SPA 402: Written Communication for the Professions (C) or SPA 484: Internship (3)
Notes: Before enrolling in SPA 484, students should complete a minimum of 12 credit hours in the certificate program and seek instructor approval by emailing CISA@asu.edu.
Choose two more courses:
COM 362: Urban Communication: Reinventing the Latinx City (3)
COM 363: Latinxs and the Media (C) (3)
SPA 318: Advanced Spanish for Health Care Professionals (3)
SPA 401: Spanish Oral Communication for the Professions (3)
SPA 402: Written Communication for the Professions (C) (3)
SPA 403: Spanish Grammar and Stylistics for the Professions (3)
SPA 406: Introduction to Spanish/English Medical Interpretation (3)
SPA 484: Internship (3)
Notes: Before enrolling in SPA 484, students should complete a minimum of 12 credit hours in the certificate program and seek instructor approval by emailing CISA@asu.edu.
SPA 494: Introduction to Spanish Translation for the Profes (3)

Professional Spanish and Latinx Cultures for Social Care and Public Work

Required:
SPA 401: Spanish Oral Communication for the Professions (3)
SPA 494: Spanish for Social Care: Latinx Ameri Pop Cultures (3)
Choose two more courses:
COM 362: Urban Communication: Reinventing the Latinx City (3)
COM 363: Latinxs and the Media (C) (3)
SPA 318: Advanced Spanish for Health Care Professionals (3)
SPA 402: Written Communication for the Professions (C) (3)
SPA 403: Spanish Grammar and Stylistics for the Professions (3)
SPA 406: Introduction to Spanish/English Medical Interpretation (3)
SPA 484: Internship (3)
SPA 494: Community Interpretation (3)
SPA 494: Introduction to Spanish Translation for the Profes (3)
SPA 494: Spanish for Mental Health Practiti and Ally fields (3)

Professional Spanish and Latinx Cultures for Heritage Speakers
Required:
SPA 401: Spanish Oral Communication for the Professions (3)
SPA 402: Written Communication for the Professions (C) (3)
Choose two more courses:
COM 362: Urban Communication: Reinventing the Latinx City (3)
COM 363: Latinxs and the Media (C) (3)
SPA 318: Advanced Spanish for Health Care Professionals (3)
SPA 403: Spanish Grammar and Stylistics for the Professions (3)
SPA 406: Introduction to Spanish/English Medical Interpretation (3)
SPA 484: Internship (3)
SPA 494: Community Interpretation (3)
SPA 494: Introduction to Spanish Translation for the Profes (3)
SPA 494: Spanish for Mental Health Practiti and Ally fields (3)
SPA 494: Spanish for Social Care: Latinx Ameri Pop Cultures (3)

For additional upper-division electives, students should consult their academic advisor.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** The prerequisites for this certificate are completion of SPA 314 Spanish Conversation and Composition, or SPA 316 Advanced Spanish II for Bilinguals, or permission of instructor following the successful completion of the Spanish for the Professions Placement Exam given by the College of Integrative Sciences and Arts. Students should contact the college to schedule.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. The certificate in Spanish for the professions helps students become more marketable to employers by adding this specialization to complement their major program of study.

Graduates can serve in professional settings such as health and legal services, journalism, business, social work and criminology, among others fields.

Students who complete this undergraduate certificate often decide topursue employment in a variety of fields (https://cisa.asu.edu/spanish-and-spanish-professions) including:

- business
- community interpretation
- education
- engineering and urban planning
- government
- health care services
- legal and justice systems
- social work
- tourism

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
AZCNTR 380
CISA@asu.edu
602-496-0271

## Special Events Management Certificate (HSRTMUERT)

**Campus:** Downtown Phoenix

**Description:** The special events management certificate is a career enhancement program offered to students currently pursuing a bachelor's degree in any major at ASU or nondegree-seeking students who already have a degree from an accredited university in any major.

The certificate requires 18 credit hours: 15 credit hours of required core courses and three credit hours of electives. Courses taken as part of certain university majors may count as credits toward both that degree and the certificate. This program is designed to give students hands-on event planning experience, behind-the-scenes understanding of how modern-day events are managed, and confidence in planning various components of events, including food and beverage, operations, safety and security, production, technology, protocol, revenue generation and more.

**Program Requirements:**
The certificate requires 18 credit hours. Courses taken as part of a university major may count toward that degree and the certificate. To earn the certificate, students must complete all coursework in the certificate with a minimum grade of "C" (2.00 on a 4.00 scale) or better. An application to the program is required.

Required Core Courses -- 18 credit hours
PRM 145: Special Events Management (3)
Notes:  Must take this course first, as prerequisite for the following required courses.
PRM 350: Tourism, Recreation and Sports Marketing (3)
PRM 422: Special Event Technology and Production (3)
Notes:  Offered spring semester only
PRM 423: Special Event Operations (3)
Notes:  Offered fall semester only
PRM 427: Where's the Money: Special Event Revenue Generation or TDM 482: Sustainable Revenue Management (3)
Notes:  PRM 427 offered fall semester only.
TDM 482 offered spring semester only.
PRM 487: Advanced Special Events Management (3)
Notes:  Offered spring semester only

Standards
1. 18 hours of graded classroom coursework (no internship, no independent study)
2. minimum of a "C" (2.00 on a 4.00 scale) grade required for all courses in the certificate
3. minimum GPA of 2.00 for those pursuing the certificate
4. should be a junior to take 400-level courses

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** This certificate offers entry to numerous career opportunities, such as organizing and managing festivals and sporting events and working for a destination marketing organization such as a convention and visitors bureau as a sales coordinator. Students can work as wedding planners and coordinators, meeting planners, corporate event managers, exhibition coordinators, or as an event-sales coordinator and event sales manager at a hotel or a resort.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 500
scrdadvising@asu.edu
602-496-0550

## Speech-Language Pathology Assistant Certificate (LASLPACERT)

**Campus:** Tempe

**Description:** Students majoring or minoring in speech and hearing science, students with a bachelor's degree in speech and hearing, and students in the post-baccalaureate communication sciences and disorders certificate program can complete additional coursework and clinical training that will enable them to practice as speech-language pathology assistants.

**Program Requirements:**
The certificate program includes 15 credit hours of coursework and a clinical internship completed in conjunction with the bachelor's degree in speech and hearing science.
Twelve of the 15 credit hours for the certificate must be completed at ASU. A minimum grade of "B-" (2.70 on a 4.00 scale) is required for each course.

Required Courses -- 15 credit hours
SHS 402: Clinical Methods and Treatment of Communication Disorders (3)
SHS 470: Developmental Speech and Language Disorders or SHS 485: Acquired Speech and Language Disorders or SHS 565: Speech and Language Acquisition (3)
SHS 473: Implementation of Treatment Plans for Individuals with Communication Disorders (3)
SHS 483: Professional Issues and Ethical Considerations for the SLPA (3)
SHS 484: SLPA Certificate (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.
SHS 484 should be completed in the final semester.

**Enrollment Requirements:** Current undergraduate students who have completed at least nine credit hours in speech and hearing science coursework with an overall minimum GPA of 2.75 in the major and "B-" grade or higher in those courses are eligible to apply. Applications are also accepted from students who have completed a bachelor's degree in speech and hearing science or communication disorders from a program accredited by the American Speech-Language-Hearing Association, providing their GPA in the major was at least 2.75 (scale is 4.00 = "A").

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students interested in this certificate must submit a supplemental application (https://chs.asu.edu/slpa-application).

Application deadlines:

Fall - April 1
Spring - October 1

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Students will implement treatment strategies appropriate to client age and disorder in speech-language therapy sessions.

•Students will apply professional and ethical principles in the practice of speech-language pathology for treatment of individuals with communication disorders.

•Students will understand clinical activities by observing and interviewing speech-language pathologists or audiologists.

**Career Opportunities:** Graduates with this certificate are prepared to work with people with communication disorders under the direction and supervision of a speech-language pathologist in schools, clinics and rehabilitation agencies that provide speech and language services.

Coursework and clinical training completed as part of the program also enhances preparation for graduate programs in speech and communication disorders.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/undergraduate-certificates/majorinfo/LASLPACERT/undergrad/true/91465
HLTHN 401AA
chs@asu.edu
602-496-3300

## Sports Business Certificate (BASPBCERT)

**Campus:** Tempe

**Description:** The certificate in sports business has an innovative curriculum designed for students seeking a BS in the W. P. Carey School of Business who are interested in deepening their knowledge in the sports business domain.

Particular attention is given to providing a foundation in marketing and sales as it is applied to the sports business discipline. The certificate program prepares students for success by complementing coursework from a degree program with specialized business knowledge in the sports business area of interest.

**Program Requirements:**
The sports business certificate requires 15 credit hours to complete. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or better.

Required Course -- 3 credit hours
MKT 311: Sports Business (3)

Choose at least two of the following courses: -- 6 credit hours
MKT 441: Sports Revenue Generation (3)
MKT 451: Sports Business Analytics (3)
MKT 484: Internship  or MKT 493: Honors Thesis (L) (3)

Choose no more than two of the following courses: -- 6 credit hours
MKT 370: Professional Sales and Relationship Management (3)
MKT 410: Sales Management (3)
MKT 431: Sports Experiences (3)
MKT 435: Entrepreneurial Marketing (3)
MKT 442: Services Marketing Strategy (3)
MKT 465: Projects in Sports Business (3)
MKT 484: Internship  or MKT 493: Honors Thesis (L) (3)
MKT 494: Special Topics  (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Prerequisites: This program is available to W. P. Carey Bachelor of Science degree program students with a 2.50 cumulative ASU GPA and 56 earned credit hours. Students must have completed MKT 300, MKT 302 or MKT 303 with a grade of "C" (2.00 on a

4.00 scale) or better.

No more than six credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students who combine the certificate in sports business with their major program of study may become more marketable to employers.

Students who complete this undergraduate certificate often decide to pursue employment in marketing, sales or management. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees/programs
BAC 460
wpcareymkt@asu.edu
480-965-3621

## Sports, Cultures and Ethics Certificate (LASPCECERT)

**Campus:** Tempe

**Description:** The certificate program in sports, cultures and ethics is a cross-disciplinary inquiry into the social, ethical and cultural influence of sports in society.

Courses explore the significance of sports in modern history, including relationships between sports and identity, community, politics, media, business and education. Students analyze the ethical and philosophical issues of participating in and watching sports. Students also explore how playing fields become places of connection and conflict, expanding opportunities or reinforcing inequalities based on race, gender, sexuality, religion and socioeconomic class.

Students who complete the program have knowledge and understanding of the multifaceted nature of sports and its wide-ranging impact on cultures and lives.

**Program Requirements:**
The certificate in sports, cultures and ethics requires a minimum of 18 credit hours, of which at least 12 must be upper division. At least six upper-division hours must be in courses offered by The College of Liberal Arts and Sciences. All courses for the certificate must be passed with a minimum grade of "C" (2.00 on a 4.00 scale).

Required Courses -- 6 credit hours
AFR 375: Race, Gender and Sport (SB & C) or HST 377: Sports in United States History ((HU or SB) & H) (3)
PHI 370: Sports Ethics (HU) (3)

Electives (choose four) -- 12 credit hours
At least six credit hours must be upper division. AFR 375 or HST 377 may be used as an elective if not used as a required sports culture course.
AFR 375: Race, Gender and Sport (SB & C) (3)
ASB 252: Sports and Culture (SB & G) (3)
CEL 394: Sports and Leadership (3)
COM 394 / SBS 394 / SOC 394: Soccer: The Global Game (3)
COM 477: Sport, Culture, and Discourses (3)
CSM 335 / PRM 335: Sports and Recreation for Youth Development (3)
FMS 377: Baseball, Film, and American Dreams (3)
HST 214 / SLC 214: The World's Game: History and Culture of Soccer (G) (3)
HST 302: History of the Olympic Movement (3)
HST 302: The Mexico City 1968 Olympics in Global Context (3)
HST 306: History of Baseball (3)
HST 377: Sports in United States History ((HU or SB) & H) (3)
HST 379: History of College Sports (3)
HST 494 / MCO 494 / TGM 494: Sport and Globalization (3)
NEW 300: International Cities Barcelona (3)
PHI 371: Philosophy of Sport (HU) (3)
REL 383 / ASB 383: Religion and Sports (HU) (3)

Additional courses related to sports, cultures and ethics that are not on the elective list may be used with the approval of the certificate directors. Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students who combine the certificate in sports, cultures and ethics with their major program of study may become more marketable to employers.

Many often decide to pursue employment in sports business, sports journalism, sports law, education, coaching and the sports sciences. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSAdvising@asu.edu
480-965-8364

## Sustainable Food Systems Certificate (SUFSUCERT)

**Campus:** Tempe

**Description:** Food systems are particularly important for human societies to sustain; however, these systems are particularly vulnerable to multiple threats. Many students from a wide variety of disciplines are interested in food systems, especially as food and sustainability become increasingly relevant issues to employers in fields across the public and private sectors.

This certificate program in sustainable food systems allows students to take advantage of the diversity of courses offered that address challenges to food system sustainability. It encourages students to cover a breadth of topics and perspectives related to food system issues while providing the opportunity to focus on particular skills and approaches suitable for their career paths, which can range from agriculture to marketing and retail to policy or ethics. This program offers an innovative and exciting approach to the challenges of food system sustainability.

Due to the transdisciplinary nature of the certificate program, many courses may be found across the ASU campuses, allowing students to choose both the focus area and location of study that best fit their needs.

The knowledge, competencies and skills students possess upon completion of this certificate include the ability to identify food system drivers, activities, actors and outcomes at different spatial scales and the capacity to assess the primary social, economic and environmental drivers and outcomes associated with food system sustainability challenges.

Students also acquire the ability to apply the following analytical skills or approaches to the development of food system sustainability solutions: cultural and social analysis, alternative agricultural design and practice, analysis of biophysical processes and environmental services, urban planning and policy, marketing and entrepreneurial development, sustainability assessment, and consumer preference and behavior.

**Program Requirements:**
The certificate in sustainable food systems consists of 15 credit hours, at least 12 of which must be upper division.
All courses must be completed with a minimum grade of "C" (2.00 on a 4.00 scale), however, an overall average GPA of 2.50 or higher is required for courses completed for the certificate.

Required Course -- 3 credit hours
SFS 215: Fundamentals of Sustainable Food Systems (L) or SFS 216: The Sustainable Plate (3)

Elective Courses -- 12 credit hours
Tier Electives (12)
Students must choose four tier electives. A minimum of two courses must be selected from Tier 1 Core Electives and no more than two courses from the same subject across both Tiers 1 and 2 should be selected.

Tier 1 - Core Electives (choose at least two)
ABS 369: Hydroponic Food Crop Production (3)
ABS 394: Food and Human Health (3)
AGB 302: International Management and Agribusiness (G) (3)

AGB 414: Food and Agribusiness Policy Issues (L) (3)
AGB 456: Food Product Innovation and Development (3)
ASB 300: Food and Culture ((L or SB) & C) (3)
BIO 429: Human Impacts on Ecosystem Functioning (3)
ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)
NTR 353: The Western Diet (3)
PLB 302: Plants and Civilization (L) (3)
PUP 498: Urban Food Systems (3)
SOS 327: Sustainable Food and Farms (3)

Tier 2 - Electives
ABS 368: Plant Propagation (3)
ABS 369: Hydroponic Food Crop Production (3)
ABS 394: Food and Human Health (3)
ABS 464: Desert Horticulture (3)
AGB 302: International Management and Agribusiness (G) (3)
AGB 321: Agribusiness Marketing (3)
AGB 414: Food and Agribusiness Policy Issues (L) (3)
AGB 420: Food Advertising and Promotion (3)
AGB 452: Global Food and Agricultural Trade (3)
AGB 456: Food Product Innovation and Development (3)
ASB 300: Food and Culture ((L or SB) & C) (3)
ASB 305: Poverty and Global Health ((L or SB) & G) (3)
ASB 463 / TCL 443: Political Ecology of the Border (SB & G) (3)
BIO 311: Biology and Society (3)
BIO 324: Environmental Ethics (HU) (3)
BIO 418: Soil Ecology (3)
BIO 434: People and Nature: Ecosystem Services (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
GPH 314: Global Change (HU & G) (3)
ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy (3)
NTR 348: Cultural Aspects of Food (SB & C & G) (3)
NTR 353: The Western Diet (3)
NTR 448: Community Nutrition (L) (3)
PLB 302: Plants and Civilization (L) (3)
PUP 498: Urban Food Systems (3)
SOS 322: International Development and Sustainability (3)
SOS 327: Sustainable Food and Farms (3)
SOS 370 / ASB 370: Ethics of Eating (L or SB) (3)
SOS 374 / GLG 327: Earth's Critical Zone (3)

Electives are not limited to courses from this list only. Other courses on food systems may be offered (special topics, etc.). Students may request to have those approved as an elective for this certificate by submitting a College of Global Futures Standards Petition.

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Advising is not required, but students are encouraged to speak with an advisor by scheduling an appointment through the College of Global Futures advising website (https://collegeofglobalfutures.asu.edu/student-life/advising/undergraduate-advising).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Graduates of this program can pair the certificate with a variety of bachelor's degrees to enhance their career opportunities related to food. Sustainable food systems knowledge complements any career path whether it's in business, technology, science, education or government. Incorporating sustainable food systems into existing or future education endeavors helps to bring forth positive change in a variety of sectors including agriculture, consumer goods, public health and education.

A sustainable food systems certificate helps graduates stand out in a sea of job applicants, and the skill sets are applicable to any career.

**Contact Information:**
Global Futures, College of

School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/certificates/
WCPH 400LT
cgfadvising@asu.edu
480-727-6963

## Symbolic, Cognitive and Linguistic Systems Certificate (LAPHICERT)

**Campus:** Tempe

**Description:** The certificate program in symbolic, cognitive and linguistic systems takes a transdisciplinary approach to the symbolic representation and processing of information in human cognition; natural languages; and formal mathematical, logical and computing systems.

Coursework covers three areas: human cognition and theories of mind, philosophy of language and linguistics, and computing and logic.

**Program Requirements:**
The certificate requires 18 credit hours, of which at least 12 must be upper division. At least six upper-division credit hours must be taken through The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for all courses used toward the certificate.

Required Course (choose one) -- 3 credit hours
CSE 110: Principles of Programming (CS) (3)
CSE 205: Object-Oriented Programming and Data Structures (CS) (3)
CSE 240: Introduction to Programming Languages (3)

Upper Division Philosophy Course (choose one) -- 3 credit hours
PHI 313: Probability, Evidence, and Decision (3)
PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)
PHI 330: Theory of Knowledge (HU) (3)
PHI 331: Philosophy of Language (HU) (3)
PHI 333: Symbolic Logic (3)
PHI 334: Philosophy of Mind (HU) (3)
PHI 401: Rationalism (3)
PHI 402: Empiricism (HU) (3)
PHI 413: Advanced Symbolic Logic (3)

Electives -- 12 credit hours
Elective (3)
Upper Division Electives (9)
Students must complete at least one course each from the cognitive, linguistic and symbolic systems course lists below to earn the certificate. The required CSE course above also satisfies the requirement for a symbolic systems course, but students must cover the other two categories within the electives and upper division PHI course requirement. Once all three categories are satisfied, students may choose any courses from the cognitive, linguistic and symbolic systems lists for the remaining electives.

Cognitive Systems
PHI 313: Probability, Evidence, and Decision (3)
PHI 330: Theory of Knowledge (HU) (3)
PHI 334: Philosophy of Mind (HU) (3)
PHI 401: Rationalism (3)
PHI 402: Empiricism (HU) (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 434: Cognitive Psychology (L) (3)
PSY 437: Human Factors (L) (3)

Linguistic Systems
ENG 213: Introduction to the Study of Language (3)
ENG 312: English in its Social Setting (L or HU or SB) (3)
ENG 313: Phonology and Morphology (3)
ENG 314: Modern Grammar (3)
ENG 413: History of English Language (HU) (3)
PHI 331: Philosophy of Language (HU) (3)

Symbolic Systems
CSE 110: Principles of Programming (CS) (3)
CSE 205: Object-Oriented Programming and Data Structures (CS) (3)

CSE 240: Introduction to Programming Languages (3)
CSE 471: Introduction to Artificial Intelligence (3)
MAT 243: Discrete Mathematical Structures (3)
MAT 300: Mathematical Structures (L) (3)
MAT 420: Scientific Computing (3)
PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)
PHI 333: Symbolic Logic (3)
PHI 413: Advanced Symbolic Logic (3)

With the approval of the director of undergraduate studies, students may substitute one course not on the approved course lists. Please obtain approval prior to enrolling in any course not on the approved list.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Evaluate arguments for formal validity and construct formal proofs. Students will be able to capture the logical form of English sentences.
•Explain and apply key philosophical concepts or theories in the study of human cognition, including techniques and challenges for modeling human cognition using formal or programming languages.

**Career Opportunities:** Students become more marketable to employers and advance their career options when they have complemented their major with this specialization in symbolic, cognitive and linguistic systems that develops their analytical and reasoning skills, particularly reasoning with computer programming languages and other symbolic systems.

Students who complete this undergraduate certificate often decide to pursue employment in business, engineering, information systems or psychology. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)

**Campus:** Tempe

**Description:** The undergraduate certificate program in teaching English to speakers of other languages consists of key courses that provide students with the practical skills and confidence necessary to teach English as a second or foreign language anywhere in the world. This certificate can be added to any degree program and includes a supervised TESOL internship to gain valuable hands-on experience before graduation.

This certificate does not certify students to teach in Arizona public schools (K-12).

**Program Requirements:**
The certificate program in teaching English as a second language requires 18 credit hours, of which 12 must be completed at the upper-division level. At least six credit hours must be completed from courses offered by The College of Liberal Arts and Sciences. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Core -- 6 credit hours
ENG 213: Introduction to the Study of Language (3)
ENG 484: TESOL Internship (3)

Theory/Methods -- 6 credit hours
ENG 404: Studies in Second Language Acquisition (6)
Notes: ENG 404 is repeatable for credit and must be completed twice.

Linguistics Electives -- 6 credit hours
Choose one course from each group below.
Group 1:
ENG 403: Semantics (3)
ENG 404: Studies in Second Language Acquisition (3)
ENG 414: Studies in Linguistics (3)
Group 2:
ENG 214: English Grammar and Usage (3)
ENG 312: English in its Social Setting (L or HU or SB) (3)
ENG 313: Phonology and Morphology (3)
ENG 314: Modern Grammar (3)
ENG 413: History of English Language (HU) (3)

Course substitutions may be used with approval of an academic advisor in the Department of English before enrollment.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Language expertise (linguistic knowledge): Graduates of the undergraduate certificate program in TESOL will be able to recall and explain structural and functional features of human language.
•Language learning and use expertise (L2-specific knowledge): Graduates of the undergraduate certificate program in TESOL will be able to recall and explain theories, research and key concepts in first and second language use and learning.
•Teaching expertise (pedagogical knowledge): Graduates of the undergraduate certificate program in TESOL will be able to recall and explain key concepts, theories and methods in second language (L2) teaching and will be able to develop teaching and learning materials.
•Real world expertise (context-specific knowledge and application): Graduates of the undergraduate certificate program in TESOL will be able to apply theories and key concepts in (a) language studies, (b) L2 use and learning, and (c) L2 teaching to real-world contexts (e.g., language teaching, materials development, or related professional practices).

**Career Opportunities:** The TESOL certificate is useful for students interested in careers in this increasingly important field. It also serves as excellent preparation for students wishing to pursue graduate studies in the Master of Teaching English to Speakers of Other Languages program at ASU or in a similar program at another institution.

Students who combine this TESOL certificate with their major program of study may become more marketable to employers.

Students who complete this undergraduate certificate often decide to pursue employment in teaching abroad. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## Transformation and Change Certificate (ASTNCHCERT)

**Campus:** West

**Description:** The certificate program in transformation and change provides students with a broad but integrated intellectual experience that gives tangible meaning to the concept of transformation.

Coursework is focused on a thematic approach, and students work through the lenses of several disciplinary and interdisciplinary orientations to understand the dynamics of transformation. This gives an elevated measure of depth and breadth to their overall educational experience.

**Program Requirements:**
The certificate in transformation and change requires 18 credit hours (at least 12 must be upper division). A minimum of six credit hours must be taken through courses offered by the New College of Interdisciplinary Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Frameworks (choose one) -- 3 credit hours
BIO 100: The Living World (SQ) (4)
BIO 113: Dinosaurs (SG) (4)
DST 101: Introduction to Disability Studies (C) (3)
PHI 103: Principles of Sound Reasoning (L or HU) (3)
PSY 101: Introduction to Psychology (SB) (3)

Focus Area Electives
Complete one course from each of the focus areas (Inquiry, Collaboration, Innovation, Engagement). The course selected to complete the framework requirement does not also apply to the Focus Area Electives.

Inquiry (choose one course) -- 3 credit hours
BIO 113: Dinosaurs (SG) (4)
BIO 181: General Biology I (SQ) (4)
COM 225: Public Speaking (L) (3)
CRJ 100: Introduction to Criminal Justice (SB) (3)
ENG 413: History of English Language (HU) (3)
HST 439: Athenian Democracy (H) (3)
PHI 439: Philosophy of Love and Sex (HU) (3)
POS 160: Global Politics (SB & G) (3)
POS 314: The American Presidency (SB) (3)
PSY 101: Introduction to Psychology (SB) (3)
WST 333: Critical Perspectives on Sexuality (SB & C) (3)

Collaboration (choose one course) -- 3 credit hours
AMS 276 / WST 276: U.S. Women's Movements (H & C) (3)
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
COM 230: Small Group Communication (SB) (3)
COM 263: Elements of Intercultural Communication (SB & C & G) (3)
IAP 222: Games and Ethics (HU) (3)
IAP 301: Energetic Systems of Art: Collaboration in the Arts (HU) (3)
IAP 394: Print and the Protest (3)
JHR 100: Introduction to Social Justice and Human Rights (SB & G) (3)
JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) (3)
PAF 311: Leadership and Change (SB) (3)
REL 390 / WST 390: Women, Gender and Religion (HU & G) (3)
TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts (3)

Innovation (choose one course) -- 3 credit hours
AMS 412: Studies in American Politics and Law (H) (3)
BIO 100: The Living World (SQ) (4)
COM 463: Intercultural Communication in a Global Context (SB & G) (3)
DST 101: Introduction to Disability Studies (C) (3)
EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) (3)
ENG 342: 20th-Century British and Irish Literature (HU) (3)
ENG 365: History of Film (HU) (3)
FOR 105: Physical Evidence and the Crime Scene (SQ) (4)
HCI 311: Health Innovation: Foundational Concepts (3)
LAS 340 / WST 341: Latin American Women Writers (HU & G) (3)
LAS 449 / FOR 449 / SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) (3)
PHI 103: Principles of Sound Reasoning (L or HU) (3)
SWU 250: Stress Management Tools I (SB) (3)
TEL 111: Exploration of Education (SB) (3)

Engagement (choose one course) -- 3 credit hours
AMS 428 / ETH 428 / LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) (3)
ENG 431: Whitman and Dickinson (L or HU) (3)
HCR 230: Culture and Health (C & G) (3)

HSC 210: Cultural Aspects of Health (C) (3)
HST 350: Later Middle Ages ((HU or SB) & H) (3)
HST 375 / LAS 375: Colonial Latin America (SB & H) (3)
POS 313: The Congress (SB) (3)
POS 336: Voters in America (SB) (3)
POS 361: American Foreign Policy (SB & G) (3)
POS 437 / SOC 437: Women, Power, and Politics (G) (3)
POS 470: Law and the Political Order (SB) (3)
TDM 205: Introduction to Travel and Tourism (G) (3)
TEL 208: Literacy in a Changing World (HU) (3)
ENG 454 / WST 454: Gender and Literature (L or HU) (3)

Signature Experience (choose one course) -- 3 credit hours
AMS 334: Class in America (SB) (3)
AMS 353 / ENG 353 / ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) (3)
ENG 333: American Ethnic Literature (3)
ENG 379: Travel Writing (L) (3)
ENG 425: Studies in Romanticism (HU) (3)
HCR 210: Ethics for the Health Care Professional (HU) (3)
HST 441 / JHR 441 / LAS 441: Latin America and the World Economy (L & G & H) (3)
IAS 406 / PHI 406 / FOR 406: Moral Dilemmas (L or HU) (3)
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)
IAS 410: Evolution of Ideas (L or HU) (3)
MAT 411: History and Philosophy of Mathematics (HU & H) (3)
SOC 352: Social Change (SB & G & H) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance or broaden their career options with a certificate in transformation and change. They leave the program possessing attributes employers seek: creativity, versatility and a well-rounded knowledge base, plus robust critical thinking skills, strong oral and written communication skills, and the ability to devise creative approaches to problem-solving. All are considered major assets in the modern workplace. With this academic and intellectual foundation and their transferrable skills, they have the tools that will enable them to pursue graduate education or advance in a wide array of careers in fields like education, human services, government, marketing, consulting, social work and publishing.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
Dean, New Interdisciplinary Arts and Sciences
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASTNCHCERT/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

## Translation Certificate (LASPACERT)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Description:** The translation certificate program focuses on Spanish and English.

The curriculum provides competence in translation, awareness of the different approaches, an introduction into the main professional areas, and an overview of the requirements for further certification in the desired area or areas of translation expertise: legal, medical, business and technical.

**Program Requirements:**

**Enrollment Requirements:** Since entry into the field of professional translation is gained through work, cultural experience and examination, the entrance requirements to this certificate program include a written proficiency examination in both the source and receptor languages at the level of completion of an advanced composition course in Spanish (SPA 412) and English (ENG 301).

Extensive work experience using Spanish and English or demonstrated bilingual writing competence in English and Spanish is also required.

Requests to declare this certificate are reviewed by the academic advisor in the academic unit offering the certificate. Students may be contacted to discuss the certificate prior to the addition of the certificate to the student record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students who combine the certificate in translation with their major program of study may become more marketable to employers.

Students who complete this undergraduate certificate along with their major often decide to pursue employment in education, the legal field, medical field, tourism and hospitality, or marketing.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/certificate/certificate-translation-engspn-cert
DH 131
silcadvising@asu.edu
480-965-6281

## Veterans, Society and Service Certificate (LAVSSCERT)

**Campus:** Tempe, Online

**Description:** This certificate program in veterans, society and service explores the history, representations, experiences and culture of military service and veterans.

Students study the veteran community from an interdisciplinary approach that combines history, politics, business, journalism, psychology, law, sociology and the arts through the intersectional lenses of gender, race, ethnicity and national identity. This program trains students to listen to, learn from, serve, research and advocate for veterans and their families.

Future professionals and current employees at government agencies, health provider organizations, nonprofit organizations and media industries can benefit from this multifaceted certificate program.

**Program Requirements:**
The certificate requires 18 credit hours, of which at least nine must be completed at the upper-division level and nine must be completed at ASU. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 9 credit hours
VTS 301: Experience of America's Modern Wars (H) (3)
VTS 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C) (3)
VTS 402: Undergraduate Research or COM 308: Advanced Research Methods in Communication (L) (3)

Electives -- 6 credit hours
AES 103: Air Force Today II (2)
AES 203: The Evolution of USAF Air and Space Power II (2)
AFR 494: Black Military History (3)
ARS 102: Art from Renaissance to Modernism (HU & H) (3)
ARS 498: Art and Cold War Cultures (L) (3)
ASB 211: Women in Other Cultures ((HU or SB) & G) (3)
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) (3)
CAP 315: Trauma and Crisis Intervention (3)
COM 263: Elements of Intercultural Communication (SB & C & G) (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 316: Gender and Communication (SB & C) (3)
COM 411: Communication in the Family (SB) (3)
COM 414: Crisis Communication (3)
COM 420: Rhetoric and Community Advocacy (3)
COM 421: Rhetoric of Social Issues (HU) (3)
CRD 210: Community Services and Professions (3)
DSC 101: Design Awareness (HU & G) (3)
DSC 394: Design Entrepreneurship & Society (3)

ECN 416: Game Theory and Economic Behavior (3)
ENG 333: American Jewish Literature during the Cold War (3)
ENT 360 / FSE 301: Entrepreneurship and Value Creation (3)
FAS 410: Military Family Systems in a Democracy (3)
FIS 494: How to Make the Future (3)
FMS 427: Identity and World Film (C) (3)
GRK 346 / HST 346 / SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) (3)
HST 204: Historical Themes in the US (3)
HST 302: War and Political Thought (3)
HST 302: Women, War and Peace (3)
HST 306: World War ll (3)
HST 340: American Military History (SB & H) (3)
HST 355: Total War and the Crisis of Modernity (SB & G & H) (3)
HST 372: Modern Middle East (SB & G & H) (3)
HST 456: The Vietnam War (SB & G & H) (3)
IAP 307: Art and War (HU & G) (3)
ISS 428: Religion and Global Violence (SB & G) (3)
ISS 441: Conflict and Conflict Resolution (SB & G) (3)
ISS 456: Culture, Conflict and War ((L or SB) & G) (3)
ISS 482: Globalization and International Political Economy (3)
JMC 325: Breaking News Multimedia Reporting (3)
JMC 437: Documentary Production (3)
JMC 487: Howard Center for Investigative Journalism (3)
JST 346: Israeli Wars in Israeli Movies (HU & G) (3)
MCO 494: War and Media (3)
MIS 102: Foundation of Agile and Adaptive Leadership (4)
MIS 302: Applied Leadership in Small-Unit Operations (L) (4)
MIS 394: Ranger Challenge Experience (3)
NAV 102: Sea Power and Maritime Affairs (3)
OGL 200: Introduction to Organizational Leadership (SB) (3)
OGL 220: Behavioral Dynamics in Organizations (SB) (3)
OGL 300: Theory and Practice of Leadership (3)
OGL 340: Special Topics (3)
OGL 343: Social Processes in Organizations (SB) (3)
OGL 345: Organizational Ethics (HU) (3)
OGL 350: Diversity and Organizations (L & C) (3)
OGL 357: Assessment in Organizations (3)
PAF 112: Identity, Service and American Democracy (SB & C) (3)
PAF 200: Public Service and Policy in the 21st Century (3)
PAF 302: Public Service Research Methods (3)
POS 310: American National Government (SB) (3)
POS 316: American Political Institutions (3)
POS 325: Public Policy Development (SB) (3)
POS 336: Voters in America (SB) (3)
POS 339: Grassroots Social Movements (SB) (3)
POS 346: Problems of Democracy (HU) (3)
POS 350: Comparative Politics (SB & G) (3)
POS 351: Democratization (SB & G) (3)
POS 360: World Politics (SB & G) (3)
POS 361: American Foreign Policy (SB & G) (3)
POS 364: National Security, Intelligence, and Terrorism (SB) (3)
POS 370: Law and Society (SB) (3)
POS 378 / REL 378: Religion, War and Peace (L) (3)
POS 401: Political Statistics (CS) (3)
POS 414: Political History and Leadership (3)
POS 417: Arizona Politics (SB) (3)
POS 426: Elements of Public Policy (SB) (3)
POS 431: Campaigns and Elections (SB) (3)
POS 434: Media and Politics (SB) (3)
POS 439: Minority Group Politics in America (SB & C) (3)
POS 467: International Security (SB & G) (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 350: Social Psychology (SB) (3)
PSY 366: Psychological Disorders (SB) (3)

PSY 369: Biology of Human Sexuality (3)
PSY 370: Interpersonal Relationships (SB) (3)
PSY 385: Psychology of Gender (SB) (3)
SGS 394: Gender and Armed Conflict (3)
SOC 352: Social Change (SB & G & H) (3)
VTS 376: Writing a Personal History (L) (3)
VTS 394: Special Topics (3)
VTS 395: Combat in Film (SB & H) (3)
VTS 494: Special Topics (3)
Other courses that complement the student's individual course of study may be completed with prior approval of the academic advisor.

Internship -- 3 credit hours
VTS 484: Internship (3)

All students must complete an internship. They should review their internship options, including virtual, with the CISA internship coordinator. Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/certificates/veteran-service/) for program descriptions and to request more information.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate.

Those who have combined the certificate in veterans, society and service with their major program of study may become more marketable to employers.

Students who complete this undergraduate certificate often decide to pursue employment as health care social workers, social and community service managers or community health workers. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://vetengagement.asu.edu
AZCNTR 380
CISA@asu.edu
602-496-0271

## Vocal Pedagogy Certificate (HIVCLPCERT)

**Campus:** Tempe

**Description:** The vocal pedagogy certificate program provides opportunities for upper-level undergraduates or nondegree-seeking graduate students --- current or future singing teachers and choral directors --- who wish to cultivate and further the development of their teaching skills and knowledge of the field of vocal pedagogy. This is a fifteen credit hour certificate program, including a set of core courses in pedagogy and applied voice totaling eight credit hours, elective course offerings in related disciplines, and a teaching practicum.

**Program Requirements:**
The undergraduate certificate in vocal pedagogy consists of 15 credit hours, of which at least nine credit hours must be upper division. There are eight credit hours of required coursework and the remaining seven credit hours are selected from electives. A grade of "C" or better is required in all courses.

Required courses -- 8 credit hours
MUP 321 / MUP 311 / MUP 327: Voice (2)
Notes: If enrolling in MUP 321, course must be taken twice for one credit hour each time.
MUP 402: Anatomy and Physiology of Singing (2)
MUP 403: Literature for Teaching Voice (1)
MUP 404: Voice Teaching Practicum (1)
MUP 481: Voice (2)

Electives  -- 7 credit hours
MSC 221: Pop Vocal Techniques  (1)
MUE 110: Introduction to Music Education (2)
MUE 413: The Art of Teaching Children Music (4)
MUE 480: The Art of Teaching Choral Musicians (4)
MUP 250: Diction for Singers  (1)
Notes:  French, German, and Italian are offered.
MUP 438: The Enterprising Musician (3)
MUP 439: Music Product Creation and Development (3)
MUP 453: Art Song Repertoire (2)
SHS 310: Anatomical and Physiological Bases of Speech (3)
THP 277: Voice and Speech I (3)
THP 351: Arts Management (3)
THP 377: Voice and Speech II (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A minimum of an associate degree in music or a related field, or status as a third year or higher undergraduate music major in a BM or BA program is required.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students who earn this certificate can develop a private teaching studio, a vocal coaching studio, conduct choirs, teach future voice teachers how to teach effectively, teach vocal diction and projection, or teach healthy singing methods across a variety of styles and to all age groups.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu
MUSIC 167
mdtadmissions@asu.edu
480-965-5069

## Water Resources Certificate (LAWATRCERT)

**Campus:** Tempe

**Description:** The certificate program in water resources covers topics related to hydrologic science and their application to water resources management. The sequence of classes offered through the certificate program build from a foundation in geological sciences up to water policy and design aspects of hydrology, as selected by the student.

**Program Requirements:**
The certificate requires 16 credit hours. At least 12 credit hours must be completed in upper-division coursework and at least nine credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by The College of Liberal Arts and Sciences. A grade of "C" (2.00 on a 4.00 scale) or higher is required for each course used to fulfill a certificate requirement.

Required Courses -- 10 credit hours
GLG 108 / SOS 182: Water Planet (SQ) (4)
GLG 327 / SOS 374: Earth's Critical Zone (3)
GLG 470: Hydrogeology (3)

Electives -- 6 credit hours
CEE 441: Water Resources Engineering (3)
GLG 325 / BIO 325 / CHM 385: Oceanography (3)
GLG 362: Geomorphology (3)
GLG 471: Hydrology (3)
GLG 481: Geochemistry (3)
SOS 433: Sustainable Water Use (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** With the job outlook for water resources increasing at a rate faster than other job averages (more than 11% by 2024, U.S. Bureau of Labor Statistics), the demand for individuals with industry-specific skills is clear.

Students who earn a certificate in water resources can advance their career opportunities and become more marketable to employers. Exciting career opportunities in this field exist within government agencies, private sector consulting, engineering firms and nonprofit organizations, though most career areas do require more training than a certificate alone can provide.

Career opportunities include:

- hydrologist
- soil and water conservationist
- water or wastewater engineer
- water resources technician

Sample career settings include:

- environmental industry
- governmental agencies
- nongovernmental organizations
- nonprofit organizations
- regulatory agencies
- utilities

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Wildlife Management Certificate (LSWLMCERT)

**Campus:** Polytechnic

**Description:** The undergraduate wildlife management certificate is for students interested in biology, conservation, sustainability and management of wildlife resources. Students gain application-based and hands-on experience in the field and engage with wildlife professionals.

**Program Requirements:**
This certificate requires 22 credit hours. A grade of "C" (2.00 on a 4.00 scale) or better is required in each course.

Required Courses -- 13 credit hours
ABS 274: Introduction to Wildlife Management (4)
ABS 376: Wildlife Ecology (3)
ABS 377: International Wildlife Conservation (3)
ABS 476: Big Game Habitat Management (3)

Electives (choose three) -- 9 credit hours
ABS 380: Restoration and Wildlife Plants (3)
ABS 384: Natural Resources Measurements (3)
ABS 470: Life History of Mammals (3)
ABS 472: Applied Herpetology (3)
ABS 473: Applied Ornithology (3)
ABS 475: Habitat Management for Small Wildlife (3)
ABS 485: GIS in Natural Resources (3)
ABS 486: Introduction to Remote Sensing (4)
ABS 489: Undergraduate Research (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can advance their career options with an undergraduate certificate. This certificate may give a hiring edge, through requisite knowledge and skills, to students who want to pursue employment in the growing number of environmental careers offered by state and federal agencies (e.g., Arizona Game and Fish Department, U.S. Forest Service, U.S. Geological Survey, U.S. Bureau of Land Management) and nongovernmental organizations in areas of fish and wildlife management, range management or as biological technicians.

Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Working with Military Families Certificate (LAWWMFCERT)

**Campus:** Tempe

**Description:** Students in all majors will benefit from the knowledge gained by completing the requirements for this certificate. Understanding and appreciating the similarities and differences in civilian and military culture will help students become more inclusive coworkers, managers and community members with those in the military community and their families.

Important complexities surround the dynamics of military families. Military personnel, veterans and their families face unique issues and challenges such as navigating military culture and dealing with multiple deployments, war, combat, trauma and death. Students interested in careers focusing on these families have a need to understand normative family processes, stress and coping, and military culture and leadership.

Students enrolled in this program take a unique combination of academic coursework and military leadership training. Students who complete the certificate program are conversant with human development, marital and familial relationships, and family dynamics in the context of military culture.

**Program Requirements:**
The certificate requires 18 credit hours. At least 12 credit hours must be completed at the upper-division level and a grade of "C" (2.00 on a 4.00 scale) or higher is required in all courses.

Required Courses -- 15 credit hours
CDE 232: Human Development (SB) (3)
FAS 101: Personal Growth and Relationships (SB) (3)
FAS 331: Modern Family Relationships (SB) (3)
FAS 410: Military Family Systems in a Democracy (3)
OGL 300: Theory and Practice of Leadership or PAF 311: Leadership and Change (SB) or AES 301: Air Force Leadership Studies I (L) or MIS 301: Training Management and the Warfighting Functions (L) (3)

Internship Requirement -- 3 credit hours
FAS 484: Internship (3)

Students are required to complete a capstone internship project that includes a field work experience, a written integrative paper and an oral presentation.
Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** There are no additional admission requirements other than those required for admission to ASU.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Students can become more marketable to employers and advance their career options when they complement their major with this undergraduate certificate specialization in working with military families.

Students who complete this undergraduate certificate often decide to pursue employment in health care, counseling or social work, sociology or education. Advanced degrees or certifications may be required for academic or clinical positions.

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
SS 144
advisor@asu.edu
480-965-6978

## Writing Certificate (ASWRTCERT)

**Campus:** West

**Description:** The certificate program in writing offers five track options (creative writing, generalist, nonfiction writing, professional and technical writing, and publishing and editing) which can be tailored to students' individual interests and career goals.

The program comprises intensive coursework that culminates in an exit portfolio, a collection of work that demonstrates the writing skills mastered by each student.

This program is offered by the School of Humanities, Arts and Cultural Studies.

**Program Requirements:**
The writing certificate consists of 16 credit hours, 13 of which must be upper division. Students must complete a minimum of six upper-division credit hours offered by the School of Humanities, Arts, and Cultural Studies. Requirements include 15 credit hours of track courses from one track (chosen in consultation with the faculty certificate coordinator) and one credit hour of AMS 490 Writing Portfolio. Six to nine credit hours may be shared between the certificate and major requirements upon approval. All courses used to satisfy the requirements for the certificate must be passed with a "B" (3.00 on a 4.00 scale) or better.

Track Requirements -- 15 credit hours
Select and complete 15 credit hours from within one track. Coursework must be chosen in consultation with the faculty certificate coordinator. A minimum of 12 out of the 15 credit hours must be upper division. (15)

Creative Writing Track
ENG 210: Introduction to Creative Writing (3)
ENG 217: Writing Reflective Essays (L) (3)
ENG 287: Beginning Creative Writing Workshop in Poetry (3)
ENG 288: Beginning Creative Writing Workshop in Fiction (3)
ENG 310: Intermediate Creative Writing (3)
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)
ENG 361: Scriptwriting (3)
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)
ENG 394: Comedy Writing (3)
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)
ENG 394: Professional Writing Workshop - Fiction (1-3)
ENG 394: Professional Writing Workshop - Poetry (1-3)
ENG 410: Writing for Publication (3)
ENG 433: Literary Magazine Publishing: Canyon Voices (3)
ENG 499: Individualized Instruction (3)

Professional and Technical Writing Track
ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)
ENG 216: Persuasive Writing on Public Issues (L) (3)
ENG 301: Writing for the Professions (L) (3)
ENG 311: Persuasive Writing (L) (3)
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)
ENG 323: Rhetoric and Grammar (L) (3)
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)

ENG 410: Writing for Publication (3)
ENG 433: Literary Magazine Publishing: Canyon Voices (3)
ENG 499: Individualized Instruction (3)

Publishing and Editing Track
ENG 323: Rhetoric and Grammar (L) (3)
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)
ENG 394: Professional Writing Workshop - Fiction (1-3)
ENG 394: Professional Writing Workshop - Poetry (1-3)
ENG 410: Writing for Publication (3)
ENG 433: Literary Magazine Publishing: Canyon Voices (3)
ENG 499: Individualized Instruction (3)

Nonfiction Writing Track
ENG 216: Persuasive Writing on Public Issues (L) (3)
ENG 217: Writing Reflective Essays (L) (3)
ENG 311: Persuasive Writing (L) (3)
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)
ENG 379: Travel Writing (L) (3)
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)
ENG 410: Writing for Publication (3)
ENG 420: Multicultural Autobiographies ((L or HU) & C) (3)
ENG 433: Literary Magazine Publishing: Canyon Voices (3)
ENG 499: Individualized Instruction (3)

Generalist Track
ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)
ENG 210: Introduction to Creative Writing (3)
ENG 216: Persuasive Writing on Public Issues (L) (3)
ENG 217: Writing Reflective Essays (L) (3)
ENG 287: Beginning Creative Writing Workshop in Poetry (3)
ENG 288: Beginning Creative Writing Workshop in Fiction (3)
ENG 301: Writing for the Professions (L) (3)
ENG 302: Business Writing (L) (3)
ENG 310: Intermediate Creative Writing (3)
ENG 311: Persuasive Writing (L) (3)
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)
ENG 323: Rhetoric and Grammar (L) (3)
ENG 361: Scriptwriting (3)
ENG 379: Travel Writing (L) (3)
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)
ENG 394: Comedy Writing (3)
ENG 394: NaNoWriMo - National Novel Writing Month (1-3)
ENG 394: Professional Writing Workshop/Creative Nonfiction (1-3)
ENG 394: Professional Writing Workshop - Fiction (1-3)
ENG 394: Professional Writing Workshop - Poetry (1-3)
ENG 410: Writing for Publication (3)
ENG 433: Literary Magazine Publishing: Canyon Voices (3)
ENG 499: Individualized Instruction (3)

Writing Portfolio -- 1 credit hours
AMS 490: Writing Certificate Portfolio (1)

Prerequisite courses may be needed in order to complete the requirements of this certificate.

**Enrollment Requirements:** Any ASU student in good academic standing (2.00 cumulative GPA or better) and who has successfully completed the ASU First-Year Composition requirement (ENG 101/102, ENG 105, or ENG 107/108 with a "C" or better) is eligible to add the New College writing certificate. No more than nine credit hours may be shared between the certificate and other degree programs, minors or other certificates. This certificate program is not available to ASU Online students.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

**Career Opportunities:** Certification of advanced writing skills opens the way to a vast array of career opportunities in journalism and publishing, public advocacy, the military and government, elementary and secondary education, industry and management, economic development and law. Graduates are prepared for jobs as technical writers, copy editors, teachers, publishers, writers, reporters and correspondents, and script writers.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/undergraduate-certificates/majorinfo/ASWRTCERT/undergrad/true/177
FAB N101
harcsadvising@asu.edu
602-543-3000

# Undergraduate Programs

## Undergraduate Degrees (Program Descriptions)

## Business, W. P. Carey School of

### Accountancy, BS (BAACCBS)

**Campus:** Tempe, West, Online

**Program Description:** The W. P. Carey School of Accountancy works closely with its Professional Advisory Board to create a learning environment that emulates the real world by exploring applied processes and strategies. The BS program in accountancy prepares students by equipping them with critical thinking, team-building, communication and information technology skills along with accounting theories and procedures.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Accountancy and Data Analytics, MACC
Taxation and Data Analytics, MTax

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in W. P. Carey School of Business.

Readmission requirements: Students must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this program and who did not select a second major or are not admissible to their second major choice are placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the program or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance in selecting another degree program.

**Change of Major Requirements:** Students should visit the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/accounting-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAACCBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to accountancy students. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Understanding international accounting methods helps students become more well-rounded and competitive in the accounting field. Accountancy students in particular benefit from thinking about participating in a Global Education program (https://goglobal.asu.edu/) early in their program. Students can leverage global opportunities and learning, great assets in the preparing for internships and provides unique experiences that they can share with recruiters.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/accountancy) for students majoring in accountancy.

**Career Opportunities:** Accounting is a dynamic field, with diverse career opportunities in the private sector and in government agencies worldwide.

Graduates have the essential academic preparation and competitive edge they need for:

- a position in consulting or are planning to operate a business
- a position in personal financial planning and portfolio analysis
- a professional career in public, corporate and governmental accounting

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2018) states, "Employment of accountants and auditors is projected to grow 10% between 2016 and 2026, faster than the average for all occupations."

Graduates are also well-positioned to pursue a graduate degree or attend law school.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Business, W. P. Carey School of
School of Accountancy
https://wpcarey.asu.edu/undergraduate-degrees
BA 223Q

wpcareyacc@asu.edu
480-965-3631

# Applied Business and Technology Solutions, BA (BAAPBTSBA)

**Campus:** Polytechnic, West, Online

**Program Description:** The BA program in applied business and technology solutions is designed to meet the needs of workforce learners who wish to complete an undergraduate degree in business. In this degree program, students can quickly access accounting, business analytics, computer information systems, economics, finance, management, marketing, process management and business ethics courses and directly connect what is taught in the classroom to their working environment. Applied internship courses in the program enable students to put what they are learning into practice, and emphasis areas allow students to further customize the degree to their working environments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/applied-business-technology-solutions/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAAPBTSBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way business functions, study abroad programs provide students valuable skills employers are looking for, including communication and interpersonal skills, flexibility, motivation, and a global perspective on business applications worldwide.

Business students can participate in Global Education programs (https://go.global.asu.edu) nearly anywhere in the world and gain valuable internship experience in many global business hubs, like Australia, Germany, England, Singapore, China and the United Arab Emirates.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/) for students majoring in applied business and technology solutions.

**Career Opportunities:** The strong academic foundation in core business functions and customizability of this applied business and technology solutions program allows graduates to explore a variety of different fields.

**Contact Information:**
Business, W. P. Carey School of
School of Technology,Innovation & Entrepreneurship
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business, BA (BABUSBA)

**Campus:** Polytechnic, Tempe, West

**Program Description:** The BA program in business provides an innovative, transdisciplinary approach to learning, which broadens career options upon graduation. Not only do students acquire a strong grounding in the principles of business, they also immerse themselves in coursework outside the business school, supplementing the business degree.

Students in the program learn how to apply core business knowledge in one of the following disciplines:

- agribusiness (global agribusiness)
- business administration
- communication
- corporate accounting
- food industry management
- global leadership
- global logistics management
- global politics
- health care
- human resources
- information security
- law
- language and cultures
- public service and public policy
- retail management
- sports business
- statistics
- sustainability
- technology
- tourism

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for

admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students cannot change their major to this degree program. Students should submit a request through the business school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform to declare a business concentration. Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way business functions, study abroad programs (https://goglobal.asu.edu/) provide students valuable skills employers are looking for, including communication and interpersonal skills, flexibility, motivation and a global perspective on business applications worldwide. Business students can study abroad nearly anywhere in the world and participate in real-world case studies in global business hubs.

**Career Opportunities:** Students in this bachelor's degree program graduate from one of many concentrations in the W. P. Carey School of Business, and they should see those concentrations for career opportunities.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Business Administration), BA (BABUSBABA)

**Campus:** Polytechnic, West, ASU at Lake Havasu, ASU at The Gila Valley, Online

**Program Description:** In the BA program in business with a concentration in business administration, students gain a breadth of knowledge and the skills needed for managing business operations.

The program provides the full business core plus a concentration with 18 credit hours of coursework focused on skills such as forecasting demand; planning inventory; purchasing services; conducting skillful negotiations; building strategies for the future; and managing people, finances and risk.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM

Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to the W. P. Carey School of Business will be contacted to select an appropriate major.

**Change of Major Requirements:** Students should visit the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website, to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-concentration-business/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSBABA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to success in business administration. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Immersion in a foreign culture will help students gain a new perspective on how to effectively manage people, finances and risk for organizations of all sizes. Participating in a Global Education program (https://goglobal.asu.edu/) contributes to this by allowing students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/business-administration) for students majoring in business administration.

**Career Opportunities:** Graduates are prepared to manage processes and people in a wide range of industries. Career opportunities include:

- administrative services manager
- business manager
- general and operations management
- sales manager
- training and development manager

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Chinese Language and Culture), BA (BABUSCLBA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Students interested in pursing a Chinese language track should apply to the language and culture concentration (https://degrees.apps.asu.edu/bachelors/major/ASU00/BABSLACUBA/business-language-and-culture) of the BA in business.
**Program Description:** The mission of the concentration in Chinese language and culture within the BA program in business is to create global business professionals who can function well culturally and linguistically in the business environment in China and domestically. As China becomes an increasingly important participant in the global economy, and as the manufacturing and financial sectors become more globalized, the need for business professionals skilled in communicating in the Chinese language is growing.

With a network of 26 flagship programs at 22 institutions of higher education across the U.S., the language flagship program graduates are prepared to take their place among the next generation of global professionals, commanding a superior level of proficiency in languages critical to U.S. national security and economic competitiveness. This program prepares participants to function professionally in Chinese within diverse business fields.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for

admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSCLBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way business functions, study abroad programs provide vital experiences to students. Study abroad programs allow students in the Chinese language and culture concentration to practice language and cultural competency-building for global business success. Students gain valuable skills employers are looking for, including communication skills, flexibility, motivation and a global perspective on business applications worldwide. Successful graduates of this program are familiar with cultural customs and nuances of conducting business in China.

The W. P. Carey School of Business recommends these study abroad programs (https://goglobal.asu.edu/students/major/wp-carey/chinese-language-culture) for students majoring in business with a concentration in Chinese language and culture.

**Career Opportunities:** This degree program provides students with the fundamental business skills, linguistic training, critical thinking and intercultural competencies required to work in the increasingly globalized world markets that now rely on trade and commerce with China.

Graduates of this program are equipped to play a key role in companies and organizations seeking new markets or dealing with international interests in the U.S. and are suited to the demands of small-business enterprises as well as multinational companies.

Currently, there is a demand for Mandarin-speaking business professionals in the hotel and tourism industry and in the consulting, banking and finance, international trade, sports management and media fields.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://students.wpcarey.asu.edu/chinese-language-and-culture-advising
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Communication), BA (BABUSCBA)

**Campus:** Polytechnic, Tempe, West, ASU at Lake Havasu, Online

**Program Description:** The BA in business with a concentration in communication is an innovative, transdisciplinary program that prepares students for positions in a variety of professions in which business and communication play an important role in ensuring success.

Students complete rigorous courses within the communication concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Graduates have specific knowledge of business practices and the capacity to effectively communicate complex business information.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication, MA
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should visit the following W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-concentration-communication/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSCBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to business communication majors. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Understanding how to collaborate with diverse peers, persuade and negotiate, manage and work in a variety of teams, and connect with real-life customers will help students influence business success through effective communication. Participating in a Global Education program (https://goglobal.asu.edu/) contributes to this by allowing students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/business-communication) for students majoring in business communication.

**Career Opportunities:** Business communication has exploded as a distinct professional field as companies require rapid and considered responses, from conveying ordinary information to crisis communications. Historically, these positions have been staffed with people trained in communication, English, journalism or other fields but who lack specific business knowledge. Graduates of this program are qualified to enter these positions with knowledge that is useful immediately to potential employers and can quickly advance graduates' careers.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/communication
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Corporate Accounting), BA (BABUSCABA)

**Campus:** Online

**Program Description:** The BA program in business with a concentration in corporate accounting addresses the educational needs of many students who have an interest in accounting but no plans to enter public accounting.

The emphasis of this program is managerial accounting. The six major courses in the concentration prepare students for corporate accounting positions by helping them develop skills in strategic financial planning, control, corporate compliance and decision-making.

Upon completion of the program, students may take the Certified Management Accountant exam.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

This program is not available to students with BA, BS or MS degrees in accountancy.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer credit hours who are not admissible to University College are contacted to select an appropriate major.

**Change of Major Requirements:** Students should visit the following W. P. Carey School of Business website (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors), to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform. This program is not available to students who already hold a BA, BS or MS degree in accountancy.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-corporate-accounting/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSCABA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to success in corporate accounting. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. International experiences helps students understand international accounting methods and grow their portfolio of marketable business skills that make them a competitive candidate in the corporate accounting industry. Participating in a Global Education program (https://goglobal.asu.edu/) contributes to this by allowing students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/corporate-accounting) for students majoring in corporate accounting.

**Career Opportunities:** Career opportunities are generally substantive and in high demand. Senior management roles for corporate accountants include chief financial officer positions. Currently, more than half the CFOs at larger corporations have formal accounting training. Projecting into the future, the longer term trend is for CFOs to have extensive corporate accounting training, particularly since CFOs at public U.S. corporations personally sign the financial statements.

Typical early- to mid-career positions held by corporate accountants include controllers, treasurers and vice presidents in areas like financial planning, divisional controlling, cost accounting directing, senior financial analysis and senior accounting. These positions typically report to the CFO.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential

licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Financial Planning), BA (BABUSFPBA)

**Campus:** Tempe, Online

**Program Description:** The BA program in business with a concentration in financial planning provides students with knowledge and experience in personal financial planning.

Students learn from leading faculty the necessary skills in finance, taxes, portfolio management, insurance and estate planning.

This program delivers to the next generation of financial planning professionals the knowledge and skills needed for developing solutions to clients' personal financial needs.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in an exploratory program.

Students with more than 45 transfer credit hours who are not admissible to an exploratory program will be contacted and asked to select an appropriate major.

**Change of Major Requirements:** Students should refer to the following W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the W. P. Carey School of Business Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/financial-planning-business/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSFPBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/financial-planning) for students majoring in financial planning.

**Career Opportunities:** Financial planners are in high demand in the dynamic field of financial services and planning. Aging populations are paying closer attention to their finances as they approach retirement, and the rising need for financial planning services and advisors translates into huge opportunities for careers in this growing market. Employment of personal financial advisors is projected to grow 15% between 2016 and 2026, much faster than the average for all occupations.

Graduates of the Bachelor of Arts in financial planning can secure employment in the growing field of financial services and planning.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees/programs
BAC 316
wpcareyfin@asu.edu
480-965-3131

## Business (Food Industry Management), BA (BABUSFIMBA)

**Campus:** Polytechnic, Online

**Program Description:** The BA program in business with a concentration in food industry management provides students with the knowledge and skills needed for leadership roles in the global food industry.

The program has been developed in close coordination with partners in the food industry and provides the full business core plus 21 credit hours of food industry coursework.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should visit the following W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-food-industry-management/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSFIMBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization and growing populations continue to impact the way the world lives and works, international experiences have become vital to success in food industry management. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Understanding global trends as consumer tastes and needs change will help students be a more prepared and competitive leader in a variety of food industry firms and organizations. Participating in a Global Education program (https://goglobal.asu.edu/) contributes to this by allowing students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/food-industry-management) for students majoring in food industry management.

**Career Opportunities:** This concentration in food industry management prepares students for business careers in the food industry, which is defined as the group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and to institutions such as schools and hospitals. The industry is becoming increasingly competitive, sophisticated and global, and it shows a growing demand for professional management as one in six people are employed in the food industry nationwide, with 100,000 in Arizona.

**Contact Information:**
Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/undergraduate-degrees
SANTN 230
wpcareyug@asu.edu
480-727-5183

## Business (Global Agribusiness), BA (BABUSGAGBA)

**Campus:** Polytechnic

**Program Description:** The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The BA program in business with a concentration in global agribusiness teaches students the business of agricultural production, finance, marketing and distribution.

Through a technology-rich, applied, industry-oriented curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability. It is specifically designed to meet the needs of students interested in studying the business aspects of agriculture in the domestic and global economy. Students learn to analyze and manage issues involved in food manufacturing, input and output supply activities, commodity trading and food distribution.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Environmental and Resource Management, MS
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM

Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the following W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGAGBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to success in every field of business. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Participating in a Global Education program (https://goglobal.asu.edu/) contributes to this by allowing students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/global-agribusiness) for students majoring in global agribusiness.

**Career Opportunities:** Accounting for more than 50% of the global economy and employing 25% of Americans, agribusiness brings food from the farm to the global table. Possible career paths include positions with private agribusiness firms and governmental agencies in these fields:

- finance

- management
- marketing
- technology

**Contact Information:**
Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/undergraduate-degrees
SANTN 230
wpcareyug@asu.edu
480-727-5183

## Business (Global Leadership), BA (BABUSGBA)

**Campus:** Online

**Program Description:** The BA program in business with a concentration in global leadership prepares students for careers in the global business environment.

Students develop strong business skills through global studies courses covering a variety of regions around the world. They also may choose to participate in an international study experience in a variety of countries around the globe.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the following W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-global-leadership/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to success, especially in global leadership. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Through their courses, students become versed in cultural sensitivity and awareness, understanding and bridging cultural divides, and leveraging diversity for business gains. Students can apply these lessons through international experiences so that they will become a more competitive and prepared global leader. Participating in a Global Education program (https://goglobal.asu.edu/) contributes to this by allowing them to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/global-leadership) for students majoring in global leadership.

**Career Opportunities:** A degree that incorporates solid business skills and global studies helps prepare students for employment in the global business world. Opportunities exist for qualified students to work either domestically or internationally in an international organization. This degree program augments business and leadership skills necessary in most corporations.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Global Logistics Management), BA (BABUSGLBA)

**Campus:** West, Online

**Program Description:** Logistics management focuses on the integration and partnerships necessary for meeting customer needs on a timely basis, with relevant and high-quality products produced and delivered in a service-effective manner.

This BA program in business with a concentration in global logistics management trains students to be strategic thinkers, excellent analysts, effective communicators and team leaders who are focused on efficiency, effectiveness and increasing revenue.

An efficient logistics management system is critical to the success of global corporations, ensuring the supply of goods and services flowing through the system closely matches the demand. Logistics management professionals manage, coordinate and transport products from raw materials to the finished goods that sit on a local store shelf or are offered by an online retailer. Efficient logistics is a key reason consumers can buy an ever-increasing variety of goods and services at remarkably low prices. Not surprisingly, logistics also plays a major role in the health care industry where efficient, effective delivery systems are gaining significant traction.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the business school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform. Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-global-logistics-management/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use

MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGLBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Participation in a Global Education program (https://goglobal.asu.edu/) allows students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/global-logistics-management) for students majoring in global logistics management.

**Career Opportunities:** Logistics management professionals hold a range of job titles and engage in a wide variety of activities in the private, nonprofit and governmental sectors. Apple and Walmart CEOs previously held logistics-related positions at those organizations. This demonstrates the high value of leaders who understand the importance of logistics for enterprise success.

**Contact Information:**
Business, W. P. Carey School of
Department of Supply Chain Management
https://wpcarey.asu.edu/undergraduate-degrees
FAB N106
wpcareyug@asu.edu
480-965-6044

## Business (Global Politics), BA (BABUSGPBA)

**Campus:** Tempe

**Program Description:** The BA program in business with a concentration in global politics teaches students solid business skills with a global perspective, enabling them to realize and analyze the relationship between business and social science.

Students in this program complete the rigorous courses within the global politics concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM

Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the following W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSGPBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way business functions, study abroad programs (https://goglobal.asu.edu/) provide vital experiences, allowing business students opportunities to practice cultural competency building for global business success.

Students gain valuable skills employers are looking for, including communication skills, flexibility, motivation and a global perspective on business applications worldwide.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/global-politics) for students majoring in business with a concentration in global politics.

**Career Opportunities:** Graduates of the global politics concentration think critically about global problems and integrate inquiry and action in order to become responsible leaders. Successful graduates have a firm understanding of how the relationship between a local marketplace and politics can impact global decisions. They are prepared to successfully launch careers in many fields including:

- campaign and issue management
- information analysis
- public relations

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Health Care), BA (BABUSHCBA)

**Campus:** West

**Program Description:** The BA program in business with a concentration in health care prepares students to operate within the challenging and dynamic health care industry by helping them develop skills and acquire knowledge through one of its five specialized tracks: health care analytics, communication, coordination, innovation and delivery.

This program provides students with core business skills such as computer information systems, accounting, basic economic theory, finance, management, marketing and supply chain management as well as in-depth knowledge in relation to the business of health care.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer coursework and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer credit hours who are not admissible to University College are contacted to select an appropriate major.

**Change of Major Requirements:** Students should refer to the following W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSHCBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to our health care communities across the world. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation and a real-life perspective on business applications worldwide. Immersion in a foreign culture will help students gain a new perspective on how to provide critical health care for diverse populations of various backgrounds. Participating in a Global Education program (https://goglobal.asu.edu/) contributes to this by allowing students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/business-health-care) for students majoring in business health care.

**Career Opportunities:** Graduates possess the ability to understand different stakeholders in complex environments, and they are prepared for careers in the public or private health care setting related to health care management, administration, access, analytics and policy setting.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/business-health-care
FAB N106
wpcareyug@asu.edu
602-543-6200

## Business (Human Resources), BA (BABUSHRBA)

**Campus:** Polytechnic, Online

**Program Description:** The BA program in business with a concentration in human resources involves both theoretical and applied concepts, with a focus on practical and applied aspects of human resources.

This degree is applicable to any business or governmental organization as all have a need to manage their personnel services.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should visit the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the business school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform. Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-business-human-resources/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSHRBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Participation in a Global Education program (https://goglobal.asu.edu/), through international study and internships, enables students to broaden their understanding of international business practices and gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/human-resources) for students majoring in human resources.

**Career Opportunities:** The bachelor's degree program in business with a concentration in human resources provides students with the knowledge, abilities, and comprehensive set of skills that allow them to move into any business, industry or governmental organization and perform necessary human resource tasks.

There is growing demand for human resources professionals to handle issues like corporate social responsibility and ethics, sustainability, workplace diversity and inclusion and labor relations.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential

licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Business, W. P. Carey School of
Department of Management and Entrepreneurship
https://wpcarey.asu.edu/undergraduate-degrees
SANTN 230
wpcareyug@asu.edu
480-727-5183

## Business (Information Security), BA (BABUSISBA)

**Campus:** West, Online

**Program Description:** Data security has become an everyday part of business operations. Protecting key stakeholders and clients is an essential aspect for businesses of all sizes and types.

The BA program in business with a concentration in information security provides students with core business skills as well as the basic critical and technical skills necessary to understand cyber threats, risks and security in the business setting. Students discover why data security and risk management are critical parts of daily business operations, and they learn about cyber infrastructure and information security in the context of startups and enterprises across industries.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and must meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/information-security-business-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSISBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital for businesses that rely on information technology and security. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation and a real-life perspective on business applications worldwide. Immersion in a foreign culture will help students gain a new perspective on how to manage digital business across borders with various organizations. Participating in a Global Education program (https://goglobal.asu.edu/) contributes to this by allowing students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/business-information-security) for students majoring in information security.

**Career Opportunities:** This is an ideal degree for those interested in anything from small-business startups to the management of large cybersecurity companies. Graduates are prepared for managing digital business, working in organizations that predominantly conduct business online, and developing basic information security technical competency relevant for most organizations.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees/admission-requirements
FAB N101
wpcadmissions@asu.edu
602-543-6200

## Business (Language and Culture), BA (BABSLACUBA)

**Campus:** Tempe, West

**Program Description:** The BA in business with a concentration in language and culture is an innovative, transdisciplinary program that prepares students for positions in a variety of professions in which business and communication play an important role in ensuring success.

Students complete rigorous courses in Chinese, French, Italian or Spanish languages in addition to the skill and core courses required of all W. P. Carey School of Business students, enabling them to become business professionals who can function well culturally and linguistically in the business environments of both international and domestic markets.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer credit hours who are not admissible to University College are contacted to select an appropriate major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major

should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABSLACUBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to language and culture majors and provide vital experiences to students, allowing them opportunities to build critical skills in navigating cultural customs and understanding the nuances of conducting international business. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide.

Nearly 90% of surveyed executive recruiters believe bilingualism is critical to global business success, according to the Korn/Ferry International Executive Recruiter Index. Participation in a Global Education program (https://goglobal.asu.edu/) contributes to this by enabling students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends the language and culture administration global education program (https://goglobal.asu.edu/students/major/wp-carey/language-culture), the Chinese language and culture administration global education program (https://goglobal.asu.edu/students/major/wp-carey/chinese-language-culture) and the Spanish language and culture administration global education program (https://goglobal.asu.edu/students/major/wp-carey/spanish-language-culture) for students majoring in language and culture.

**Career Opportunities:** Graduates of this program are equipped to play a key role in companies and organizations seeking new markets or dealing with international interests domestically. The demand for multilingual business professionals is strong in the hotel and tourism industry and in consulting, banking and finance, international trade, sports management and media companies.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcadmissions@asu.edu
480-965-4227

## Business (Law), BA (BABUSLBA)

**Campus:** Tempe, Online

**Program Description:** The BA in business with a concentration in law is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and law play an important role in ensuring success.

The law concentration, with its strong business background, gives students a systematic framework for analyzing real-world legal regulation and corresponding business risks and liabilities. Students in this program complete rigorous courses within the law concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/business-law-major/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSLBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way business functions, study abroad programs provide vital experiences to students, allowing them opportunities to practice cultural competency building for global business success. Students gain valuable skills employers seek, including communication skills, flexibility, motivation and a global perspective on business applications worldwide. Successful graduates of the law concentration have a firm understanding of how the relationship between a local marketplace and local laws can impact global decisions.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/business-law) for students majoring in business.

**Career Opportunities:** Graduates of the law concentration pursue careers in the business world, and exposure in the program to aspects of law and legal issues assists their career goals. Graduates are prepared to use their skills in a variety of industries ranging from new business ventures to corporate or agency compliance.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Public Service and Public Policy), BA (BABUSPBA)

**Campus:** Tempe

**Program Description:** The BA program in business with a concentration in public service and public policy combines strong business skills with topics in public policy and public administration. Students become familiar with leading a public organization and the process of policy development. They also examine the public sector through multiple lenses and address its challenges in a practical way.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during

the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSPBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way business functions, study abroad programs provide vital experiences to students, who gain valuable skills employers are seeking, including communication skills, flexibility, motivation and a real-life perspective on business applications worldwide. Successful graduates of the public service and public policy concentration have a firm understanding of how the relationship between a local marketplace and public policy can impact global decisions.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/public-service-public-policy) for students majoring in business with a concentration in public service and public policy.

**Career Opportunities:** There is an increase in job opportunities in the public sector for graduates due to retiring workers and an increasing demand for public services. Through comprehensive coverage of topics in public policy and public administration, the degree program prepares students for work in public, nonprofit and private sectors.

The program also offers preparation for students who wish to pursue graduate degrees in:

- law
- nonprofit administration or other public service
- policy-oriented areas
- public administration
- public policy

**Contact Information:**
Business, W. P. Carey School of

Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Retail Management), BA (BABUSRBA)

**Campus:** Online

**Program Description:** The BA program in business with a concentration in retail management provides a business curriculum focused on the knowledge and skills needed for leadership roles in the retail industry.

The degree program has been developed in collaboration with faculty and industry professionals to provide a curriculum responsive to industry needs. Drawing on coursework from four areas in the concentration, the program offers the full business core plus 18 credit hours of retail-specific coursework, providing students with the broad preparation and leadership skills required today.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements.

Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the business school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform. Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-retail-management/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use

MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSRBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Participation in international study and internships through a Global Education program (https://goglobal.asu.edu/) enables business students to broaden their understanding of international business practices while gaining valuable skills employers are looking for: improved communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/retail-management) for students majoring in retail management.

**Career Opportunities:** Graduates are ready to assume positions of responsibility in the retail industry. Several anticipated career opportunities for graduates are:

- administrative services manager
- business manager
- food service manager
- general and operations management
- management analyst
- operations specialist
- purchasing or buying manager
- sales manager
- training and development manager
- wholesale and manufacturing representative

**Contact Information:**
Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Sports Business), BA (BABUSMSBA)

**Campus:** Tempe, West, Online

**Program Description:** The BA program in business with a concentration in sports business is attractive to students with an interest in the sports industry.

Students acquire the skills necessary to build knowledge and understanding of the development of the strategic business process in sports organizations and its relationship to media. The program offers a strong focus on applied elements of the sports industry, especially as it relates to media and its impact on the industry.

The proliferation of mass communication, including television, game systems and social networks, has transformed sports into a highly commercialized industry and, in turn, sports continue to generate revenues for these businesses. The interaction between sports and media has led to a multitude of applications of business knowledge to these fields.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the business school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform. Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/sports-business-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSMSBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in

their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Through global experiences provided by the Global Education Office (https://goglobal.asu.edu), students gain valuable skills employers seek, such as communication skills, flexibility, motivation and a global perspective on business applications worldwide.

Business students can study abroad nearly anywhere in the world, including in global business hubs. The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/sports-business) for students with a concentration in sports business.

**Career Opportunities:** Graduates of this concentration find opportunities in mass communication, including television, game systems and social networks. Career opportunities for graduates could include jobs with titles such as:

- administrative service manager
- advertising and sponsorship salesperson
- agent
- business manager
- event planner
- management analyst
- operations specialist
- purchasing or buying manager
- wholesale and manufacturing representative

**Contact Information:**
Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BAC 460
wpcareyug@asu.edu
480-965-3621

## Business (Statistics), BA (BABUSTABA)

**Campus:** West

**Program Description:** The BA program in business with a concentration in statistics is designed for students interested in a curriculum that helps them develop solid business skills with an emphasis in mathematics and statistics. The program involves theoretical and applied statistics with a focus on practical and applied aspects of statistics.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM

Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSTABA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to success in every field of business. Through a Global Education program (https://goglobal.asu.edu/), students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Understanding statistical methods used internationally helps students become more well-rounded and competitive in their chosen field. Participating in a Global Education program contributes to this by allowing them to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/statistics) for students majoring in statistics.

**Career Opportunities:** Graduates of this program are prepared to move into business or governmental positions, using statistics to help make

decisions and solve problems. They find positions such as:

- financial analysts
- market and survey researchers
- personal financial advisors
- statisticians

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
FAB N101
wpcareyug@asu.edu
602-543-6200

## Business (Sustainability), BA (BABUSSBA)

**Campus:** Polytechnic, Tempe, West, Online

**Program Description:** The BA in business with a concentration in sustainability is an innovative, transdisciplinary program that combines the latest trends in business with cutting-edge knowledge of sustainability.

Students in this program complete rigorous courses within the sustainability concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors. Graduates are prepared for positions in a variety of professions in which both business and sustainability play important roles.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)

Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-sustainability/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSSBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to business sustainability majors. Through a Global Education program (https://goglobal.asu.edu/), students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Understanding global sustainability perspectives will help students rethink the nature of business and allow them to gain the knowledge necessary to influence growth, improve returns on capital and improve risk management through sustainability. Participating in a Global Education program contributes to this by allowing them to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/business-sustainability) for students majoring in sustainability.

**Career Opportunities:** Finding ways to grow and prosper while reducing the stress on the global environment is a critical issue facing today's society. Interest in sustainability issues is growing and most likely will be increasingly important to business in the next few years.

People around the world are asking serious questions about how they can understand, evaluate and act on issues related to sustainability while making sensible business decisions for both the now and the future. Qualified individuals are needed, those who understand that ensuring success involves the societal, scientific and business aspects of the issues. Graduates from this degree program fill these needs.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business

https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business (Technology), BA (BABUSTCBA)

**Campus:** Polytechnic

**Program Description:** The BA in business with a concentration in technology is an innovative, transdisciplinary degree program intended to prepare students for positions in a variety of professions in which business and technology play an important role.

This program incorporates business knowledge and a strong skill set in technology and is designed to help students realize and analyze the relationship between business and technology.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSTCBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to success in every field of business. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Participating in a Global Education program (https://goglobal.asu.edu/) contributes to this by allowing them to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/technology) for students majoring in business technology.

**Career Opportunities:** Graduates with a bachelor's degree in business with a concentration in technology bring a solid background in business to technology companies and also the ability to apply their technological skills in a variety of industries.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
SANTN 230
wpcareyug@asu.edu
480-727-5183

## Business (Tourism), BA (BABUSTBA)

**Campus:** Tempe, Online

**Program Description:** The BA in business with a concentration in tourism is an innovative, transdisciplinary program that prepares students for positions in a variety of professions in which business and tourism play important roles in ensuring success.

Students in this program complete rigorous courses within the tourism concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Developing tourism and recreation opportunities requires an understanding of effective marketing techniques and the ability to interact with many different types of businesses that support those efforts. With a solid academic preparation in business, graduates are positioned for success in the tourism industry and affiliated professions.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap

in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.

Readmission requirements: Students must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer applicants must have a GPA of 3.00 for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in University College.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-tourism/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSTBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way people live and work, study abroad programs provide students with valuable skills employers are looking for, including communication and interpersonal skills, flexibility, motivation and a global perspective on business applications worldwide. Business students can study abroad nearly anywhere in the world to gain practical, hands-on experience and learn how tourism impacts the local and global economy and best practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/tourism) for students majoring in business with a concentration in tourism.

**Career Opportunities:** Tourism management and development combines marketing and economic development with an emphasis on managerial understanding to promote smooth operations. The combination of skills acquired from exposure to both business and tourism courses make graduates more marketable and productive in their careers.

**Contact Information:**
Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Business Data Analytics, BS (BABDABS)

**Campus:** Tempe, Online

**Program Description:** The BS program in business data analytics prepares business students with the requisite knowledge, skills and experience to create and manage big data initiatives and associated business processes in order to facilitate large-scale business data analytics in organizations.

Students learn organizational and technical competencies to implement data gathering, cleansing, integration and modeling tasks as well as data asset analysis for business applications. The program covers data warehousing, dimensional modeling, big data analytics methods and visualization tools and techniques, and it introduces topics such as data mining and predictive analytics.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Business Analytics, MS
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this program and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the degree or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should review W. P. Carey School of Business minimum requirements (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-business-data-analytics/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABDABS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to business data analytics students. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. International experiences can help students understand new perspectives in the usage of data at an international scale. Business data analytics students in particular benefit from thinking about participating in a Global Education program (https://goglobal.asu.edu/) early in their program. Students can leverage global opportunities and learning, great assets in the preparing for internships and provides unique experiences that they can share with recruiters.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/business-data-analytics) for students majoring in business data analytics.

**Career Opportunities:** The demand for employees with business analytics skills is strong, with close to 89% of employers indicating their needs for new recruits skilled in business data analytics will increase in the future source: Occupational Information Network.

Graduates can become data analysts, data architects, data visualization developers, data change agents and data operators. Many graduates serve as architects, change agents and analytics tool suite operators for business and government.

**Contact Information:**
Business, W. P. Carey School of
Department of Information Systems
https://wpcarey.asu.edu/undergraduate-degrees
BA 601
wpcareyis@asu.edu
480-965-3252

## Business Entrepreneurship, BS (BABUENTBS)

**Campus:** Tempe

**Program Description:** The BS program in business entrepreneurship prepares students to identify, evaluate and develop entrepreneurial opportunities in existing companies or through new ventures.

The program emphasizes collaboration, leadership, communication and team-building as well as development of refined analytical, managerial and leadership skills appropriate for people who want to change the world through innovation. Students in the program frequently collaborate with students from across the university, for a breadth of understanding in all business disciplines and a depth of understanding in opportunity recognition, feasibility, management of resources and strategy.

Students completing the program understand the unique requirements of an entrepreneur and have learned how to effectively identify market opportunities, innovative solutions and execution strategies.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): Students must have a transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this degree and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the degree or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUENTBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to success in every field of business, especially business entrepreneurship.

Global Education programs (https://goglobal.asu.edu/) can provide exposure to global startups and how different countries approach entrepreneurship. Through international study and internships, students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. International experience will help students learn to identify global market trends and opportunities and strategically execute innovative entrepreneurial solutions that will ignite change and make an impact. Participation in a Global Education program contributes to this by enabling students to improve their interpersonal and language skills while broadening their understandings of international business practices.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/business-entrepreneurship) for students majoring in business entrepreneurship.

**Career Opportunities:** Graduates may follow multiple self-directed paths such as starting a new venture or nonprofit organization, working for a new venture or a small business, or working as an innovative leader within an existing organization.

**Contact Information:**
Business, W. P. Carey School of
Department of Management and Entrepreneurship
https://wpcarey.asu.edu/undergraduate-degrees
BA 318
wpcareymgt@asu.edu
480-965-3431

## Business Exploratory, (BABUSEXP)

**Campus:** Tempe

**Program Description:** Virtually every profession and organization uses business in some way. Business exploratory program students have an opportunity to explore a variety of areas in business prior to selecting one of these nine majors:

- accountancy
- business data analytics
- business entrepreneurship
- computer information systems
- economics
- finance
- management
- marketing
- supply chain management

Students have an opportunity to work with world-class faculty in an environment that values high-quality teaching. Majors in the W. P. Carey School of Business provide students with the skills and knowledge needed in today's companies --- whether they are starting their own businesses or working in large multinational corporations. Additionally, many graduates attend some of the other top-tier graduate schools in the country in a variety of disciplines.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap

in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: This major has higher admission standards. First-year admission requirements: Students must have achieved a 1230 SAT Reasoning or 25 ACT score, OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").
Transfer Admission Requirements: For students who hold 30 or more transfer credit hours after high school: Students must have a transfer GPA of 3.00 and a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

**Change of Major Requirements:** Students are not permitted to change their major to this degree program. Students admitted to this exploratory program who are ready to declare their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BABUSEXP~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to success in every field of business. Through any of the more than 300 available Global Education programs (https://goglobal.asu.edu/), students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide.

**Career Opportunities:** Students in business exploratory have the opportunity to graduate from one of many BS degree programs in the W. P. Carey School of Business. For career opportunities, students should see the options highlighted in those specific programs.

**Contact Information:**
Business, W. P. Carey School of
Prebusiness Office
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

## Computer Information Systems, BS (BACISBS)

**Campus:** Tempe, Online

**Program Description:** Computer information systems are part of every business and organization. In this degree program, students learn about the exciting and innovative ways that information technology is used to help organizations succeed.

Dedicated faculty members teach students how to design, build and maintain information systems that support business operations and managerial decision-making. In particular, students learn about business intelligence for competitive advantage, business process for workflow redesign, data management for decision-making, distributed systems for collaboration and globalization, enterprise integration for synergy, project management and solution development for value creation.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Information Systems Management, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: Students must have a score of 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): Students must have a transfer GPA of 3.00 and a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR the student must have graduated in the top 8% of their high school class OR have an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this degree and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the degree or campus location may reach out to wpcareyug@asu.edu (wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should visit the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/computer-information-systems-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students

take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BACISBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way people live and work, international experiences have become vital to success in every field of business. Through international study and internships, students gain valuable skills employers are looking for, including communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/computer-information-systems) for students majoring in computer information systems.

**Career Opportunities:** Currently, there is a shortage of information systems professionals, with many more jobs than qualified applicants. With a degree in computer information systems, career choices are limitless. A computer information systems degree offers job opportunities in a variety of industries, including:

- education
- entertainment
- finance
- health care
- national defense
- transportation

Information systems are key components in the success of other functional business areas such as accounting, supply chain management, finance and marketing. Entry-level information systems positions include:

- computer forensics analyst
- database administrator
- information systems consultant
- information technology security manager
- network administrator
- project manager
- software or systems developer
- systems administrator
- systems analyst

Long-term career aspirations for a graduate with a computer information systems degree could include:

- chief executive officer
- chief information officer
- chief knowledge officer
- chief security officer
- chief technology officer

**Contact Information:**
Business, W. P. Carey School of
Department of Information Systems
https://wpcarey.asu.edu/undergraduate-degrees
BAC 601
wpcareyis@asu.edu
480-965-3252

## Economics, BS (BAECNBS)

**Campus:** Tempe, Online

**Program Description:** Students in this W. P. Carey School of Business BS program in economics choose from a variety of electives offered by the

Department of Economics and many other ASU departments. All students are encouraged to develop programs of study tailored to individual needs and interests.

The undergraduate program provides students with the critical thinking and communication skills needed to succeed in business or graduate school. The program of study can also be tailored to prepare students for graduate programs in economics, business or law. Students interested in pursuing a doctorate in economics are strongly encouraged to minor or major in mathematics as well.

The department's mission is to provide the highest quality instruction to students, conduct cutting-edge research in economics and provide leadership and service to professional communities.

As a STEM-designated program, this degree offers eligible graduates on student visas access to an Optional Practical Training extension for up to 36 months. This longer work authorization term may help international students gain additional skills and experience in the U.S.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 270 Calculus with Analytic Geometry I
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class or an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this degree and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the degree or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should visit the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/economics-bs-wpc/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAECNBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way people live and work, international experiences have become vital to success in every field of business. Through international study and internships, students can see different economic systems play out in real time and gain valuable skills employers seek, including communication and interpersonal skills, flexibility, motivation and a global perspective on business applications worldwide.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/economics) for students majoring in economics.

**Career Opportunities:** A major in economics provides students with the analytical and quantitative skills needed in careers in business, government and public policy.

Graduates have taken positions such as:

- consultants who serve as advisers to state and federal governments and private corporations
- corporate economists who collect data and make forecasts relevant to the firm's business
- employees in banking and financial services firms

Each year, many graduates pursue additional studies at other prestigious universities.

**Contact Information:**
Business, W. P. Carey School of
Department of Economics
https://wpcarey.asu.edu/undergraduate-degrees
CRTVC 412
wpcareyecn@asu.edu
480-965-3531

## Entrepreneurial Leadership, BA (BAENTLBA)

**Campus:** West

**Program Description:** The BA program in entrepreneurial leadership prepares students to start, lead and manage entrepreneurial organizations for long-term success.

This program develops entrepreneurial-minded leaders who can effectively manage the value-creation process of existing small and medium-sized businesses, as well as manage new ventures. Students, through their coursework and internship opportunities, become leaders by developing a broad entrepreneurial mindset and leadership style that enables them to seize entrepreneurial opportunities. They can also develop and nurture those entrepreneurial opportunities within their organizations through the effective communication, team building, critical thinking and problem-solving skills learned in this program.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAENTLBA~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way business functions, study abroad programs (https://goglobal.asu.edu) provide students valuable skills employers are looking for, including communication and interpersonal skills, flexibility, motivation and a global perspective on business applications worldwide.

Business students can study abroad nearly anywhere in the world and gain valuable internship experience in many global business hubs, like Australia, Germany, England, Singapore, China, and the United Arab Emirates.

The W. P. Carey School of Business recommends these study abroad programs (https://goglobal.asu.edu/students/major/wp-carey/) for students

majoring in entrepreneurial leadership.

**Career Opportunities:** Graduates possess a broad foundation in business as well as a focus on starting, leading and managing entrepreneurial organizations. This suggests multiple career paths, including working in entrepreneurial-minded roles in already existing organizations as well as starting or joining new ventures and small businesses of all types.

**Contact Information:**
Business, W. P. Carey School of
School of Technology,Innovation & Entrepreneurship
https://wpcarey.asu.edu/undergraduate-degrees
FAB N106
wpcareymgt@asu.edu
480-965-6044

## Finance, BS (BAFINBS)

**Campus:** Tempe

**Program Description:** The finance department has a rich tradition of educating leaders who excel in all aspects of the discipline of finance. Whether ascending to the top ranks of the venture capital industry, executing multimillion dollar real estate deals or becoming successful entrepreneurs with their own ideas and drive, graduates of the BS program in finance from the W. P. Carey School of Business are equipped to succeed.

In particular, the Investment Banking Industry Scholars program mentors students interested in going to Wall Street. The student investment management fund provides undergraduates with the opportunity to manage a real-world investment portfolio worth hundreds of thousands of dollars.

Finance department faculty members are considered among the top in the world. The professional advisory board, comprised of leading professionals from the financial services, manufacturing, energy, investment banking and real estate sectors, provides a sounding board for new ideas and is a resource of jobs for top graduates.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this program and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the program or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should visit the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAFINBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way people live and work, international experiences have become vital to success in every field of business. Through international study and internships, students gain valuable skills employers are looking for, including communication and interpersonal skills, flexibility, motivation and a global perspective on business applications worldwide.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/finance) for students majoring in finance.

**Career Opportunities:** Graduates are prepared for careers in:

- consulting
- corporate financial management
- depository institutions
- financial services
- investment banking

- investment management
- portfolio analysis

**Contact Information:**
Business, W. P. Carey School of
Department of Finance
https://wpcarey.asu.edu/undergraduate-degrees
BAC 501
wpcareyfin@asu.edu
480-965-3131

## Management, BS (BAMGTBS)

**Campus:** Polytechnic, Tempe, West, Online

**Program Description:** The W. P. Carey BS program in management prepares students to become effective managers and team leaders. Students gain theoretical and conceptual knowledge and build critical skills such as:

- analytical research and problem-solving
- communication
- critical thinking
- global awareness
- leadership
- personal ethics and integrity
- teamwork

The curriculum includes the fundamentals of the global economy, the world of e-business, ethics, human resource and strategic management and collaborative team skills. Throughout the program, theories and concepts of management and ethical leadership are enhanced by experiencing and testing them in skill-based exercises, case discussions and real-world, team-based project work.

The management major prepares students to face:

- corporate accountability
- cross-functional management
- demands for continuous process improvements to enhance the value chain
- ethical decision-making
- growing technological sophistication
- racial, cultural and gender diversity in the workforce
- the fast pace of e-business
- the need for skills in communicating and working with people, directing projects and managing change

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM

Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this program and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the program or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-management/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMGTBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way people live and work, international experiences have become vital to success in every field of business. Through international study and internships, students gain valuable skills employers are looking for, including communication and interpersonal skills, flexibility, motivation and a global perspective on business applications worldwide.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/management) for students majoring in management.

**Career Opportunities:** Graduates with a Bachelor of Science in management are likely to be recruited by:

- for-profit and nonprofit organizations
- high-tech firms
- large and small organizations
- management consulting firms
- service and manufacturing firms

The salaries listed below reflect median salaries, not starting salaries.

**Contact Information:**
Business, W. P. Carey School of
Department of Management and Entrepreneurship
https://wpcarey.asu.edu/undergraduate-degrees
BA 318
wpcareymgt@asu.edu
480-965-3431

## Marketing, BS (BAMKTBS)

**Campus:** Tempe, Online

**Program Description:** Students pursuing the BS in marketing gain an understanding of the science behind consumer behavior and the critical role that marketing plays in all organizations. In addition, students develop marketing skills that provide a competitive advantage in their careers.

The nationally ranked and award-winning marketing faculty share a passion for teaching and mentoring undergraduate students. Faculty members provide many productive ways for students to get involved in the life of the department and work with business partners.

The department is home to the Center for Services Leadership, the premier international center for the study of the science of services, and offers distinctive coursework in professional sales, relationship management and sports business.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM

Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this program and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the program or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-marketing/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use

MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMKTBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to a successful career for marketing majors. Through any of the more than 300 available Global Education programs (https://goglobal.asu.edu/), students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Understanding how cultural norms and values impact the marketing of goods and services in an international context will make the graduate a valuable contributor to many marketing careers.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/marketing) for students majoring in marketing.

**Career Opportunities:** The degree program provides fundamentals, flexibility and specialization opportunities, and through the proper selection of coursework and other educational experiences, a marketing student may prepare for a variety of careers in areas such as:

- business development
- business-to-business marketing
- customer relationship management
- international marketing
- market research and information management
- marketing communications
- professional sales and relationship management
- retail management
- sales management
- services marketing

**Contact Information:**
Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BAC 460
wpcareymkt@asu.edu
480-965-3621

## Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)

**Campus:** Tempe

**Program Description:** Designed specifically for the marketing major, this digital and integrated marketing communications concentration builds on the knowledge provided in the major and prepares marketing students with specialized knowledge and training in the areas of advertising, brand management and digital marketing.

The purpose of the concentration within the BS program in marketing is to equip students with cutting-edge knowledge in the marketing communications area so they are well prepared to assume jobs in the areas of advertising, brand management and digital marketing. This concentration provides specialized expertise in an area that is growing in importance in the marketplace.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this program and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the program or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMKDIMCBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in

their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to a successful career for marketing majors. Through any of the more than 300 available Global Education programs (https://goglobal.asu.edu/), students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Understanding how cultural norms and values impact the marketing of goods and services in an international context will make the graduate a valuable contributor to many marketing careers.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/marketing) for students majoring in marketing.

**Career Opportunities:** While the number and quality of job opportunities in advertising and brand management is relatively small, the number of entry-level positions in digital marketing has exploded. A sampling of career opportunities include:

- digital account manager
- digital marketing analyst
- digital marketing coordinator
- digital marketing specialist
- electronic marketing specialist

**Contact Information:**
Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BAC 460
wpcareymkt@asu.edu
480-965-3621

## Marketing (Professional Sales), BS (BAMKTPSBS)

**Campus:** Tempe

**Program Description:** The W. P. Carey BS program in marketing with a concentration in professional sales is designed for undergraduate marketing students who are interested in pursuing the many opportunities in professional sales.

The curriculum includes courses in professional sales as well as sales management and consumer behavior, and an internship in sales is required.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM

Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this program and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the program or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should refer to the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the school's Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BAMKTPSBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way the world lives and works, international experiences have become vital to a successful career for marketing majors. Through any of the over 300 available Global Education programs (https://goglobal.asu.edu/), students can gain valuable skills employers are looking for: communication and interpersonal skills, flexibility, motivation, and a real-life perspective on business applications worldwide. Understanding how cultural norms and values impact the marketing of goods and services in an international context will make graduates a valuable contributor to many marketing careers.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/marketing) for students majoring in marketing.

**Career Opportunities:** The number of employers interested in hiring professionals for sales roles far exceeds the number of students who are

pursuing career opportunities in sales.

Graduates are prepared for careers in account management across a variety of industries in the business-to-business and consumer products domains.

**Contact Information:**
Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BAC 460
wpcareymkt@asu.edu
480-965-3621

## Supply Chain Management, BS (BASCMBS)

**Campus:** Tempe, Online

**Program Description:** Supply chain managers coordinate the production flow of goods and services, enabling the transformation of raw materials into the final products made available to consumers, whether on local store shelves or through online retailers. Supply chain management, involving multiple vendors in different countries, is a key reason that people can buy an ever-increasing variety of goods and services at remarkably low prices.

The BS program in supply chain management provides W. P. Carey School of Business students with an in-depth knowledge of integrated supply chain management. The curriculum focuses on:

- execution systems
- logistics
- negotiations
- operations
- planning
- procurement
- strategy development

Classes are small and use projects and case studies to bring the material to life.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Business Analytics, MS
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM

Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements: Students must have a score of 1230 SAT Reasoning OR 25 ACT score, OR graduated in the top 8% of high school class, OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

First-year applicants should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice are placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet first-year admission requirements by way of high school GPA, test score or class rank and must have a transfer GPA of 3.00 (if applicable) and a cumulative ASU GPA of 3.00.
Transfer Admission Requirements: Transfer admission requirements (30 or more credit hours after high school): transfer GPA of 3.00 and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR must have graduated in the top 8% of their high school class OR an overall high school GPA of 3.40 in ASU competency courses (scale is 4.00 = "A").

Transfer students should select an additional major when applying for admission. Additional choices may include any of the school's BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students who are admissible to the university but do not meet admission requirements for this program and and did not select a second major or are not admissible to their second major choice will be placed in a Bachelor of Arts program in W. P. Carey School of Business. Students not interested in the program or campus location may reach out to wpcareyug@asu.edu (mailto:wpcareyug@asu.edu) for assistance selecting another degree program.

**Change of Major Requirements:** Students should visit the W. P. Carey School of Business (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) website to determine if they meet change of major requirements. Students ready to change their major should submit their request through the Advising SOS (https://apps.wpcarey.asu.edu/apps/advising/index.cfm) platform.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/supply-chain-management-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=BASCMBS~null + &college=CBA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: As globalization continues to impact the way people live and work, international experience has become vital to success in every field of business. Through international study and internships, students gain valuable skills employers are looking for, including communication and interpersonal skills, flexibility, motivation and a global perspective on business applications worldwide.

The W. P. Carey School of Business recommends these programs (https://goglobal.asu.edu/students/major/wp-carey/supply-chain-management) for students majoring in supply chain management.

**Career Opportunities:** Career track progression could lead to the vice president level in supply chain-related areas. ASU supply chain management graduates are recruited by firms from around the world and in all sectors of the economy, including:

- health care
- manufacturing
- public and private
- retail
- service

Graduates of the supply chain management program are highly sought-after and have excellent placements. The following are some positions that supply chain management graduates have obtained:

- buyer or planner
- distribution manager
- internet marketing analyst
- inventory specialist
- logistics planner
- materials manager
- operations planner or analyst
- planner or analyst
- production coordinator
- supply management analyst

**Contact Information:**
Business, W. P. Carey School of
Department of Supply Chain Management
https://wpcarey.asu.edu/undergraduate-degrees
BA 445
wpcarey.scm@asu.edu
480-965-6044

## Design and the Arts, Herberger Institute for

### Architectural Studies, BSD (ARSTDBSD)

**Campus:** Tempe

**Program Description:** The preprofessional BSD program in architectural studies offered by The Design School helps students understand architecture as both a cultural expression and technical achievement, and it offers an interdisciplinary approach to architecture.

Students are prepared for alternative practices with architecture firms and in related fields such as landscape architecture, engineering, art, construction, urban planning, urban design and historic preservation, or for graduate studies in the professional Master of Architecture, in business fields or in law.

There are two possible paths for this program: cross-disciplinary focus and professional focus. For the first three years, all students take two project-topic courses yearly, together with other classes, to develop their skills. In the third year, students intending to pursue professional licensure as a registered architect must declare their interest in pursuing the professional focus to their advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap

in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARSTDBSD~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: International experiences supplement a major in architectural studies while also introducing students to new cultures, skills and perspectives. Whether in a foreign country, in the U.S. or online, students in architectural studies are able to learn about the complex differences between societies, to foster a sense of empathy and understanding of the many ways people live in this world.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/architectural-studies) for students majoring in architectural studies.

**Career Opportunities:** Graduates of the bachelor's degree program are prepared for graduate school as well as a range of design-related careers.

Those who wish to become licensed can complete their professional studies by attending an accredited professional master's degree program. The Design School offers a two-year professional MArch degree for graduates of the undergraduate program.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDS 101
herbergeradmissions@asu.edu
480-965-4495

## Art (Animation), BFA (HIARTANBFA)

**Campus:** Tempe

**Program Description:** The BFA program in art with a concentration in animation prepares students to excel in this field. Animation students are provided an education that simultaneously sustains tradition and fosters innovation through embracing new visualization methodologies and tools with the potential to advance discoveries and insights across disciplines.

Upon completion of the program, graduates are able to demonstrate the technical and artistic abilities to create animations for exhibition in arts venues (galleries, museums, festivals, etc.) and in entertainment media-arts industries. They also are prepared to pursue advanced research in graduate animation programs.

The mission of the Herberger Institute for Design and the Arts is to create works of art, explore the history and traditions of art production, understand more about art's function in society and promote national and international recognition for research and creative activities while fostering cultural development in the community.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their Bachelor of Fine Arts concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIARTANBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Create artwork for exhibitions in galleries, museums and other commercial venues demonstrating technical artistic abilities and conceptual development.
•Demonstrate professional preparedness by developing a comprehensive toolkit for self-promotion that will position them for success in the field of art and design.
•Create a cohesive body of artwork organized and shared in a professional digital portfolio.

**Global Opportunities:**
Global Experience: With over 300 Global Education programs (https://goglobal.asu.edu/) in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Animators work within the realms of fine arts, design, cinema, television, video games, online media, augmented and virtual reality, scientific and data visualization, medical illustration, robotics and a range of other emerging fields.

Top job titles for those with an education in animation include:

- animator
- art director
- artist
- creative director
- designer
- graphic artist
- graphic designer
- multimedia designer

For the last several years, jobs for multimedia artists, animators, film and video editors have continued to trend upward nationally.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Art Education), BFA (FAARTEBFA)

**Campus:** Tempe

**Program Description:** The BFA program in art with a concentration in art education involves creative teaching and learning processes and strategies, first-hand experience teaching art for a range of ages, the study of art history and global cultures, and practice in a variety of studio areas.

The program focuses on engaging with artistic inquiry and education in K-12, community and museum settings. Students investigate issues related to teaching art from multiple perspectives, including:

- creativity and critical thinking
- ecological connections
- inquiry-based learning
- interdisciplinary curriculum development
- multicultural contexts
- studio and conceptual art practices

In addition to their art education coursework, students are required to take coursework in the various studio areas offered in the School of Art.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students are admitted directly to the art education concentration upon admittance to the BFA program in art.
Transfer Admission Requirements: Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the art education concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTEBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Students will understand historical and contemporary practices within the field of art education through the development of curriculum incorporating fine arts techniques for a range of settings and populations.
- •Upon completion of this program, students will demonstrate professional preparedness, including writing an articulate statement of their teaching philosophy and assembling a documented cohesive body of pedagogical materials and creative work.
- •Upon completion of this program, students will demonstrate effective teaching dispositions in the classroom through successful first-hand engagements with learners that meet established pedagogical standards with culturally responsive techniques and methods.

**Global Opportunities:**
Global Experience: Creativity and inspiration find fuel during a study abroad program. Global experiences (https://goglobal.asu.edu/) provide a platform on which aspiring art educators develop and broaden the intercultural sensitivity, communication skills and leadership ability they then take into the classroom. Study abroad can prove to be a vital accompaniment to a concentration in art education.

**Career Opportunities:** Graduates who also complete the state certification requirements for an art specialist certificate may teach in public and private elementary schools, middle schools and high schools.

Graduates who do not seek state certification may find opportunities for jobs with some charter schools, art museums, nonprofit art spaces and recreational or community-oriented service groups that offer art instruction.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-education?dept=160343&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Art History), BA (FAARTHBA)

**Campus:** Tempe, Online

**Program Description:** The BA in art history is a dynamic program that investigates visual culture and engages students in a rich and diverse curriculum. Inherently interdisciplinary, art history intersects with a variety of fields including history, literature and economics.

Faculty members emphasize critical concepts in their teaching, including the close study of artists, objects and technologies. Students explore art's history in economic, social and political contexts and the relationship of visual art to other disciplines such as literature, science, anthropology, media and performance studies. In addition to art history courses, the program includes interdisciplinary coursework from disciplines across the university.

Internships are available at a wide range of arts organizations. The program is enriched by partnerships with the ASU Art Museum and museums throughout the Phoenix metropolitan area and beyond, including an affiliation with the Los Angeles County Museum of Art.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** Any math course that meets the MA designation.

**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process for freshmen at the time of admission to ASU.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200-level art requirements, or if they are interested in art history or museum studies they will submit a declaration form in the semester in which they complete 30 hours.
Transfer Admission Requirements: Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change a major to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-art-history/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTHBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Recall, summarize, examine, and recognize significant works of art from different periods and cultures of Western and non-Western Art History.
- •Think critically and practically about their professional research practice and develop writing samples or research plans, essential for success in the field of art history.
- •Learn the basic methodologies of the field and how to apply them to specific works of art and visual culture and art historical theory and criticism.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu) provide an opportunity for students to explore their creative side with an intercultural lens and deepen their understanding of art history by experiencing the places that gave rise to specific artistic styles. Study abroad provides students with valuable insight into the cultures and minds of some of the world's most notable artists, and exposure to multicultural environments enhances communication skills and fosters valuable career-building experiences.

A global experience encourages students to build communication skills and challenges them, as artists, to think differently. With more than 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether in a foreign country, in the U.S. or online, students learn to adapt and persevere, and they are provided with a chance to look inside themselves in a way they haven't done before, growing their personal and artistic self-confidence along the way.

**Career Opportunities:** Graduates of art history programs at the bachelor's degree level find employment opportunities in commercial art galleries, art museums and historical societies and archives. Other options include arts agencies and public art programs or admission to prestigious graduate programs across the nation.

A graduate degree is essential for professional positions, as a master's degree prepares individuals to teach at the community college level; to practice and publish as an art critic or writer; to enhance one's own practice as an artist; or gain entry into museums, archives, historical societies, auction houses, publishing companies and academic presses as well as to art libraries. The doctorate is a necessity for employment as a university or college teacher and for responsible administrative and curatorial positions in the museum and publishing world.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-history?dept=160344&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Art Studies), BA (FAARTSTDBA)

**Campus:** Tempe, Online

**Program Description:** The BA in art with a concentration in art studies is a multidisciplinary program with a broad educational foundation in the arts and General Studies with a curriculum unparalleled in its scope of course offerings from across the university.

This concentration offers students a great deal of flexibility in planning coursework. Students, in consultation with faculty advisors, can design a course of study focused on their individual aspirations. This uniquely open degree program features coursework in art history, studio art, and a range of arts-related topics, including performing arts and the history of performance, and fields such as African and African American studies, American Indian studies, history, languages and literature, and women's studies.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR MAT 117 College Algebra OR MAT 119 Finite Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

First-year applicants may apply directly to the art studies program; there is no portfolio review for this major.
Transfer Admission Requirements: Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/art-studies-bachelors/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTSTDBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Participate in the process of making art and through this process will effectively visualize their ideas and build their creative thinking and problem-solving skills.
•Develop a comprehensive toolkit for self-promotion that positions them for success in the field of art and design.
•Articulate their place as artists in the contemporary field of art.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu) provide an opportunity for students to explore their creative side with an intercultural lens and allow them to enhance their knowledge of the sculpting arts while applying what they learn in an international setting. Students can explore famous works of art firsthand and experience the environments they were created in, and the hands-on experience gained from a semester abroad is a great way to bolster portfolios and to gain multicultural insight into the world of art.

A global experience encourages students to build communication skills and challenges them, as artists, to think differently. With over 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether in a foreign country, in the U.S. or online, students learn to adapt and persevere, and they are provided with a chance to look inside themselves in a way they haven't done before, growing their personal and artistic self-confidence along the way.

**Career Opportunities:** This program prepares students to initiate creative careers as visual artists or as professionals in the public and private spheres. Among many others, the wide range of options include:

- art dealer
- college professor
- commission artist
- community-based artist (in health care settings, nonprofit agencies, and local and national public arts)
- creative art director

- independent artist
- museum or gallery professional
- private school teacher

Career opportunities are also available with employers who seek graduates with a well-rounded humanities education.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-studies?dept=1622&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Ceramics), BFA (FAARTCBFA)

**Campus:** Tempe

**Program Description:** The BFA program in art with a concentration in ceramics provides a stimulating and challenging environment for artistic and intellectual growth. With the realization that discipline, familiarity with historical precedents, and freedom go hand in hand with creative activities, the ceramics program strikes a balance between the acquisition of traditional skills and the promotion of independence and innovation. Responsibility is placed on the individual student to find personally meaningful content and an effective means to express that content within the ceramic arts.

The ceramics program features a complete and varied line of kilns, wheels and other equipment. Faculty members ensure that students learn the techniques and concepts that enable them to take their work in any direction they wish. A guest artist schedule enhances the program as does the Ceramics Research Center at the ASU Art Museum, which has a collection of more than 4,000 pieces and provides unparalleled opportunities to study and research the ceramic arts.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students are admitted directly to the ceramics concentration upon admittance to the BFA program in art.
Transfer Admission Requirements: Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the ceramics concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTCBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Students will learn studio fine art techniques and contemporary practices within ceramics and gain the skills for critical writing and verbal analysis. Upon completion of the program, students will be able to demonstrate the technical artistic abilities and conceptual development necessary to create artworks for exhibitions in galleries, museums, festivals, etc. and to pursue advanced research in graduate ceramics programs.
•Students will learn to think critically and practically about their professional practice and develop a comprehensive toolkit for self-promotion positioning them for success in the field of art and design. This program prepares students to apply to selected graduate programs and pursue professional art opportunities, including exhibitions, residencies and grants. Graduates demonstrate academic awareness and professional preparedness.
•Upon completion of the program, students of the BFA program in art will be able to articulate how their work fits within the context of the art world holistically and within the ceramics program. Students will participate in a group BFA capstone exhibition with a professionally installed body of cohesive artwork, along with an artist statement that supports their work, and assemble a professional digital portfolio.

**Global Opportunities:**
Global Experience: Since prehistoric times, engineered and artistic ceramics have played an important role in cultures around the world. With more than 300 programs available in more than 65 countries, Global Education opportunities (https://goglobal.asu.edu/) allow for in-depth study of contemporary artist practices while also allowing for broad historical and archaeological explorations.

**Career Opportunities:** Graduates of the undergraduate and graduate programs work as artists in the field, selling their works through commercial galleries, commissions and to private collectors. Some artists work as designers and consultants to the commercial ceramic industry; others set up their own businesses, producing handcrafted functional ware, architectural tiles and one-of-a-kind works.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/ceramics?dept=160346&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Digital Photography), BFA (HIARTDPBFA)

**Campus:** Online

**Program Description:** Arizona State University's online BFA program in digital photography emphasizes contemporary, creative and expressive forms of photography.

In this program, students learn about the relationships between technique, concept and aesthetics and how each element contributes to meaning in the photographic image. Through learning the tools of photography; reflecting on contemporary practitioners; and studying the history and theories of photography along with extensive critique with peers, professors and mentors, students are encouraged to rigorously probe their interests and passions as they develop a deep understanding of their own creative process and potential. The program culminates with a capstone class where students are able to apply what they have learned to create a self-designed final project and portfolio.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their

academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/art-digital-photography-bfa/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIARTDPBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Create artwork for exhibitions in galleries, museums and other venues demonstrating technical artistic abilities and conceptual development.

•Demonstrate professional preparedness by developing a comprehensive toolkit for self-promotion that will position them for success in the field of art and design.
•Create a cohesive body of artwork organized and shared in a professional digital portfolio.

**Global Opportunities:**
Global Experience: Global Education programs provide an opportunity for students to explore their creative side with an intercultural lens and refine students' own creative vision and comprehensive knowledge of the theory, practice and history of photography. The international practice of photography allows students to expand their portfolio and pursue onsite locations similar to those found only in the professional field.

Not only do global experience programs encourage students to build communication skills, they challenge them, as an artist, to think differently. With over 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether it's in a foreign country, in the U.S. or online, Global Education programs (https://goglobal.asu.edu/) challenge students to adapt and persevere, and provide them with a chance to look inside themselves in a way they haven't done before, growing their personal and artistic self-confidence along the way.

**Career Opportunities:** Career possibilities for students with a degree in this concentration program include:

- client-based and editorial photography
- documentary photography
- fine art photography
- journalism
- photo book publishing
- photo criticism
- photo editing for web
- photo web design

- photographic post-production (retouching)
- video and photo production.
- visual literacy education

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu
ART 102
soaadmin@asu.edu
480-965-8521

## Art (Drawing), BFA (FAARTDBFA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Students interested in drawing should apply to the painting and drawing concentration (https://degrees.apps.asu.edu/bachelors/major/ASU00/HIARTPDBFA/art-painting-and-drawing).
**Program Description:** The BFA program in art with a concentration in drawing offers a dynamic environment for creative, intellectual and technical growth that leads to quality art practice and professionalism.

The program encourages a wide spectrum of innovative approaches to contemporary drawing. Working from a variety of sources and subjects, students develop technical proficiency experimenting with a wide range of materials and processes. In addition, students develop the ability to critically assess imagery through written and verbal analysis. In the program's final year, students create a body of work with an individualized approach to form and content, culminating in a senior exhibition.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College Mathematicsor MAT 119 Finite Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students are admitted directly to the drawing concentration upon admittance to the BFA program in art.
Transfer Admission Requirements: Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students are admitted directly to the drawing concentration upon admittance to the BFA program in art.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTDBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can explore famous works of art firsthand and experience the environments they were created in during study abroad programs. The hands-on experience gained from a semester abroad is a great way to bolster portfolios and to gain multicultural insight into the world of art. More information is available on the Global Education (https://goglobal.asu.edu/) website.

**Career Opportunities:** The Bachelor of Fine Arts program prepares students to initiate creative careers as visual artists and as professionals in the public and private sphere. Career opportunities depend on focused concentrations within the area and additional education or training per industry standards.

Professions are varied; some examples include independent artist, illustrator, mural painter, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college professor, and community-based artist (venues might include health care settings, nonprofit agencies, and local and national public arts).

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/drawing-painting?dept=160342&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Expanded Arts), BFA (FAARTIBFA)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Art (Intermedia).
**Program Description:** The BFA program in art with a concentration in expanded arts educates students in traditional and emerging forms and orientations, including performance, installation, 3D fabrication, digital sculpture, public and place-based art, and experimental and documentary video.

Faculty also teach special topics, including the recent studio seminars on walking as art practice and the engagement of women in the field of art and technology. Expanded arts faculty nurture students' talents and provide them with the skills they need to acquire creative and professional opportunities, exhibitions, grants, commissions, residencies and employment as educators, curators and media and arts professionals across an array of established and emerging fields.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap

in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students are admitted directly to the expanded arts concentration upon admittance to the BFA program in art.
Transfer Admission Requirements: Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the expanded arts concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTIBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Create artwork for exhibitions in galleries, museums and other venues demonstrating technical artistic abilities and conceptual development.
- •Demonstrate professional preparedness by developing a comprehensive toolkit for self-promotion that will position them for success in the field of art and design.
- •Create a cohesive body of artwork organized and shared in a professional digital portfolio.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) provide an opportunity for students to explore their creative side with an intercultural lens and to enhance their understanding of expanded arts while engaging in an intercultural study abroad setting. Students are encouraged to build communication skills, and they are challenged, as artists, to think differently.

With more than 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own and allow them to apply a global scope to their practices, furthering the depth of their portfolios. Whether in a foreign country, in the U.S. or online, students learn to adapt and persevere, and they are provided with the chance to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** Career opportunities depend on the emphasis selected. Possibilities include:

- computer graphics and animation
- community-based art (in schools, health care settings, nonprofit agencies)
- event production and cultural production
- positions in the music or entertainment industry
- video production and post-production
- web-based entertainment, education and communication

Professions may include:

- animator
- art director and set designer
- audio and video equipment technician
- commercial and industrial designer
- elementary or secondary school teacher
- independent artist
- marketing and public relations director
- media consultant
- museum and gallery curator, staff, director or art dealer
- performer
- professor
- video and media producer or designer
- video game designer

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/intermedia?dept=160348&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Museum Studies), BA (FAARTMSBA)

**Campus:** Tempe, Online

**Program Description:** The BA program in art with a concentration in museum studies focuses on the most prescient international themes and issues at the forefront of contemporary museum and heritage studies. These include various ethical and institutional issues, such as decolonization and repatriation claims, activist curating, and the role that institutions can play in promoting inclusiveness and cultural diversity, among other current topics.

To reflect the breadth of the sector, students pursuing museum studies select, from a large pool of approved subjects and in consultation with their advisor, their own focus areas, areas such as art history, anthropology, history, liberal studies, education, global studies, justice studies, parks and recreation. These courses offer a range of learning opportunities led by scholars and museum practitioners from across the ASU campus and around the globe. Optional internships enable students to work directly with working arts professionals in their field of interest.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.
Transfer Admission Requirements: Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/art-museum-studies-ba/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTMSBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will recall the general history and function of museums and heritage sites domestically and globally.
- Students will comparatively analyze elements of potential careers within the museums and heritage site sectors utilizing evidence-based research.
- Students will write at an academic level suitable for further graduate study.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) allow students to engage with the environment where history and art collide. The programs provide an immersive experience in the field of art history, enabling students to obtain a better understanding of their field of study. Students also further their communication skills and explore their creative side with an intercultural lens, and they are challenged, as an artist, to think differently.

With more than 300 options available in a foreign country, in the U.S. or online, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Students are challenged to adapt and persevere and to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** Upon completion, graduates find employment opportunities in museums, galleries, archives, historical societies, national parks and other nonprofit organizations. They also can matriculate in a Master of Arts program in museum and heritage studies.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-history-museum-studies?dept=160344&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Painting and Drawing), BFA (HIARTPDBFA)

**Campus:** Tempe

**Program Description:** The BFA program in art with a concentration in painting and drawing offers a dynamic environment for creative and conceptual growth that promotes students to a successful studio art practice and engages them in the larger global art community.

The program's curriculum encourages a wide spectrum of innovative approaches to painting and drawing. Working from a variety of sources and subjects, students develop technical proficiency through experimentation with a wide range of materials and processes. In addition, students develop the ability to critically assess imagery through growing their visual intelligence and the development of written and verbal communication.

In concentration courses, students develop unique creative problem-solving skills, examine contemporary artists' paths, and expand their ability to engage intellectually and reflect deeply regarding broader contexts of the art community. In their capstone and research studio courses, students develop a distinctive body of work with an individualized approach to concept and content. The senior thesis exhibition gives students practical experience in presenting their work in a professional gallery setting. Students graduate from the program prepared for the future with a portfolio of completed works and experience in professional practice.

Students declare their Bachelor of Fine Arts concentration at the time of ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIARTPDBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** This program prepares students to initiate creative careers as visual artists and as professionals in the public and private sphere. Career opportunities depend on focus areas and additional education or training per industry standards.

Professions are varied; some examples include independent artist, illustrator, mural painter, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college instructor, and community-based artist (venues might include health care settings, nonprofit agencies, local or national public arts).

**Contact Information:**

Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Painting), BFA (FAARTPABFA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Students interested in painting should apply to the painting and drawing concentration (https://degrees.apps.asu.edu/bachelors/major/ASU00/HIARTPDBFA/art-painting-and-drawing).
**Program Description:** The BFA program in art with a concentration in painting offers a dynamic environment for creative, intellectual and technical growth that leads to quality art practice and professionalism.

The program encourages a wide spectrum of innovative approaches to contemporary painting. Working from a variety of sources and subjects, students develop technical proficiency experimenting with a wide range of materials and processes. In addition, students develop the ability to critically assess imagery through written and verbal analysis. In the program's final year, students create a body of work with an individualized approach to form and content, culminating in a senior exhibition.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if a student wishes to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College Mathematicsor MAT 117 College Algebra or MAT 119 Finite Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students are admitted directly to the painting concentration upon admittance to the BFA program in art.
Transfer Admission Requirements: Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students are admitted directly to the painting concentration upon admittance to the BFA program in art.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTPABFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can explore famous works of art firsthand and experience the environments they were created in during study abroad programs. The hands-on experience gained from a semester abroad is a great way to bolster portfolios and to gain multicultural insight into the world of art. More information is available on the Global Education (https://goglobal.asu.edu/) website.

**Career Opportunities:** The Bachelor of Fine Arts program prepares students to initiate creative careers as visual artists and as professionals in the public and private sphere. Career opportunities depend on focused concentrations within the area and additional education or training per industry standards. Professions could include independent artist, illustrator, mural painter, commission artist, museum or gallery professional, art dealer, creative art director, private school teacher, college professor, or community-based artist in health care settings, nonprofit agencies, and local and national public arts organizations, among others.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/drawing-painting/?dept=160342&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Photography), BFA (FAARTPHBFA)

**Campus:** Tempe

**Program Description:** Students in the BFA program in art with a concentration in photography are offered an education in the production and analysis of photographs as a form of creative expression. Students work in a wide range of photographic media, including state-of-the-art digital output, analog and 19th-century processes.

The internationally recognized photography faculty at ASU are diverse, representing and encouraging a wide range of approaches to the production of photo-based art. Students learn to be self-disciplined and self-directed, to understand complex ideas around how images function in their work, and to develop a strong sense of themselves and their place in the world.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if a student wishes to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: There is no portfolio review process for admission to the School of Art.
Transfer Admission Requirements: To complete an undergraduate degree in four years, it is recommended that community college transfer students complete the foundational core and pre-art requirements.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTPHBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Create artwork for exhibitions in galleries, museums and other venues demonstrating technical artistic abilities and conceptual development.
- •Demonstrate professional preparedness by developing a comprehensive toolkit for self-promotion that will position them for success in the field of art and design.
- •Create a cohesive body of artwork organized and shared in a professional digital portfolio.

**Global Opportunities:**
Global Experience: The international practice of photography allows students to expand their portfolio and to pursue onsite locations similar to those found only in the professional field. Global Education programs (https://goglobal.asu.edu/) provide an opportunity for students to explore their creative side with an intercultural lens. Not only do Global Experience programs encourage students to build communication skills, they challenge them, as an artist, to think differently. With over 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether it's in a foreign country, in the U.S. or online, Global Education programs challenge students to adapt and persevere, and provide them with a chance to look inside yourself in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** A degree in the arts offers students a pathway to a rich and varied choice of careers. Students with a photography degree may work as independent studio photographers or contract for commercial work for firms, museums, galleries, individuals and other artists. Though this is not a commercial degree program, some students apply their skills post-graduation by doing product photography, portraits or event photography. Students have also started their own successful art galleries.

Photo skills hone a particular sensitivity to issues of representation and a heightened sense of time, among many other life-enhancing attributes. These critical and creative sensitivities can be brought to bear in life after graduation whatever career path a student chooses. The bachelor's degree is essential for advanced study leading to the terminal MFA. This advanced degree offers opportunities in:

- curatorial work in galleries, museums and historical collections
- history or studio areas
- nonprofit arts organization management
- university teaching

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/photography?dept=160349&id=1
ART 102
herbergeradvising@asu.edu

480-965-8521

# Art (Printmaking), BFA (FAARTPMBFA)

**Campus:** Tempe

**Program Description:** The BFA in art with a concentration in printmaking develops students' skills in technical processes, conceptual development and creative problem-solving to address the important questions in creative, social and community practices. The printmaking area provides a strong foundational understanding of the many traditional and contemporary processes while fostering experimentation and the development of unique approaches.

Collaboration, one of the historical underpinnings of printmaking, is encouraged; students often work with other areas such as photography, intermedia, social arts practice, textiles, painting and drawing, sculpture and projects within the larger community. Program faculty teach in well-equipped studios for intaglio, lithography, relief, screen printing, book arts, papermaking, a digital lab and a dedicated graduate studio. The program also offers specialties such as traditional dust grain copper photogravure, post digital production, letterpress, zines and papermaking classes.

Students can declare a major in printmaking upon acceptance to the School of Art or after successfully completing ART 253 Intro to Printmaking. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students are admitted directly to the printmaking concentration upon admittance to the BFA program in art.
Transfer Admission Requirements: Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the printmaking concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTPMBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Create artwork for exhibitions in galleries, museums and other venues demonstrating technical artistic abilities and conceptual development.
- •Demonstrate professional preparedness by developing a comprehensive toolkit for self-promotion that will position them for success in the field of art and design.
- •Create a cohesive body of artwork organized and shared in a professional digital portfolio.

**Global Opportunities:**
Global Experience: Students can enhance their understanding of printmaking while immersed in an intercultural setting. Global Education programs (https://goglobal.asu.edu/) provide an opportunity for students to explore their creative side with an intercultural lens and offer them a deeper look into the world of the art of printmaking, allowing them to apply a global scope to their practices, furthering the depth of their portfolios. Students build communication skills and are challenged, as artists, to think differently.

With over 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether in a foreign country, in the U.S. or online, students learn to adapt and persevere, and are provided with a chance to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** Trained printmakers are working artists, practicing the expression of a personal understanding of their place in the world. They may find employment as artists or printmakers in schools of all levels teaching the execution and appreciation of visual art. They also work in fine art print studios, executing original prints for other artists.

Printmaking skills such as screenprinting or photomechanical and digital techniques, acquired for the production of art, also have commercial, non-art applications that may afford skilled employment. Artists with printmaking skills may also work in graphic design, illustration and signage or may work in museums, conservation, publishing, galleries and in other art-related activities.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/printmaking?dept=160350&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Sculpture), BFA (FAARTSBFA)

**Campus:** Tempe

**Program Description:** The BFA in art with a concentration in sculpture recognizes the broad, transdisciplinary nature of sculpture today. A wide range of media now falls within an expanded definition of sculpture.

Coursework covers public and site-specific sculpture, foundry, interactive and electronic sculpture, neon, small metals, wood, and video and sound installation. Students learn to put today's creations in the context of the history of sculpture and the larger field of contemporary art. Critical inquiry is augmented by courses in the art history program. Visiting artists, curators and critics share their experience directly with students.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)

International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students are admitted directly to the sculpture concentration upon admittance to the BFA program in art.
Transfer Admission Requirements: Transfer students who have completed the foundational core and pre-art requirements are admitted directly to the sculpture concentration upon admittance to the BFA program in art. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTSBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Create artwork for exhibitions in galleries, museums and other venues demonstrating technical artistic abilities and conceptual development.
- •Demonstrate professional preparedness by developing a comprehensive toolkit for self-promotion that will position them for success in the field of art and design.
- •Create a cohesive body of artwork organized and shared in a professional digital portfolio.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) provide an opportunity for students to explore their creative side with an intercultural lens and allow them to enhance their knowledge of the sculpting arts while applying what they learn in an international setting. Not only do Global Experience programs encourage students to build communication skills, they challenge them, as an artist, to think differently. With over 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether it's in a foreign country, in the U.S. or online, Global Education programs challenge students to adapt and persevere, and provide them with a chance to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** Graduates are prepared to embark on a lifetime exploration of the many aspects of 3D art. Positions are available in:

- fabrication and design of exhibitions
- set design
- teaching
- the motion picture industry
- 3D design
- welding and foundry technician work

Through one-on-one mentoring, students learn to win commissions and awards, hold exhibitions, and obtain residencies and jobs as studio artists, public artists, fabricators, project managers, teachers and arts administrators.

Many students also prefer to establish their own studios after graduation.

**Contact Information:**

Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/sculpture-metals-woods?dept=160351&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Art (Textiles), BFA (FAARTFBFA)

**Campus:** Tempe

**Program Description:** The BFA program in art with a concentration in textiles is committed to the exploration and advancement of innovative textile practices. Working from fundamental techniques such as weaving, dyeing, textile printing and fiber sculpture, students gain mastery of skill along with an immersion in related critical theory.

An emphasis is placed on how investigations into the material and the political and social histories of textiles can inform contemporary art practice. The professional activity of the faculty provides students with a network of outside opportunities such as assistantships, internships, scholarships, residencies and exhibitions.

Students declare their Bachelor of Fine Arts concentration at the time of their ASU admission. Following admission, if students wish to change their concentration, they may meet with their School of Art academic advisor.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year students are admitted directly to the textiles concentration upon admittance to the BFA program in art.
Transfer Admission Requirements: Transfer students must have completed the foundational core and pre-art requirements before admittance to the textiles concentration. To complete an undergraduate degree in four years, it is recommended that community college transfer students who are completing a two-year degree and have completed the foundational core and pre-art requirements apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAARTFBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer

experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Create artwork for exhibitions in galleries, museums and other venues demonstrating technical artistic abilities and conceptual development.
- •Demonstrate professional preparedness by developing a comprehensive toolkit for self-promotion that will position them for success in the field of art and design.
- •Create a cohesive body of artwork organized and shared in a professional digital portfolio.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) provide an opportunity for students to explore their creative side with an intercultural lens and allow them to further their understanding of textile art forms. While abroad, students gain insight into the processes of the textile industry and learn more about the field firsthand all while reinforcing their portfolio work. Not only do Global Experience programs encourage students to build communication skills, they challenge them, as an artist, to think differently. With over 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether it's in a foreign country, in the U.S. or online, Global Education programs challenge students to adapt and persevere, and provide them with a chance to look inside yourself in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** Graduates are prepared with the technical skills they need to pursue a professional career within a diverse range of options that reflect the breadth of the textiles field. Some have established careers in design, in settings as varied as working in industry creating commercial items to setting up boutique studios for the creation of one-of-a-kind fabrics for garments and interiors. Others have chosen to pursue graduate degrees in art or design or in fields adjacent to textiles such as business or technology. Graduates continue to develop their art practice once leaving ASU, with outcomes that range from continued personal explorations to professional gallery exhibitions.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/textiles?dept=160347&id=1
ART 102
herbergeradvising@asu.edu
480-965-8521

## Arts (BA in the Arts), BA (FAATSBA)

**Campus:** Tempe

**Program Description:** The BA in the arts is an interdisciplinary degree program designed for students who are passionate about the arts and design and interested in exploring multiple arts disciplines rather than specializing in one.

Students gain an increased understanding of the theoretical, historical and cultural forces that shape the cultural expression of arts and design. Students pursue open-ended paths to explore and develop a range of skills suitable for advanced study in multiple areas.

The major includes a common core for all students, and students may choose a focus from arts administration or entertainment design or they may design an individualized focus that is subject to approval by the institute's standards committee and the dean's office.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during

the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAATSBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students whose program of study is in the arts have the ability to further their studies around the world (https://goglobal.asu.edu/). Equipped with the knowledge obtained in classes, students can explore cultural aesthetic practices while studying abroad, furthering their understanding and enhancing their portfolios.

**Career Opportunities:** As the population in the state of Arizona grows, numerous arts organizations are being developed to provide cultural and artistic experiences for the state's residents. These organizations need and demand individuals who understand the impact the arts have on society and who can be passionate employees committed to the arts. This program provides the necessary skill sets, including critical thinking, for such careers as:

- arts administrators
- arts critics
- entertainment designers
- media arts authors and publishers
- museum curators and directors
- public art specialists

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://art.asu.edu/degree-programs/undergraduate
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Dance, BFA (FADANBFA)

**Campus:** Tempe

**Program Description:** The School of Music, Dance and Theatre provides an inclusive, dynamic and culturally diverse learning environment in which students develop as creative artists, scholars and educators. The BFA program in dance offers an engaging curriculum that emphasizes collaboration and a holistic approach to movement and education. The program encourages today's artists to develop multiple skills for success in the arts and its related fields.

The core values of the program include creativity, inquiry and humanity. To bridge knowledge and community and to gain understanding of dance as inquiry, these values are embedded in a broad range of academic experiences and exploratory processes. The dance program includes coursework in creative practices (the study of the creative process and dance-making using improvisation, choreography and interdisciplinary approaches); dance and digital arts; dance history, ethnography and philosophy; movement practices (the study of the theory, history and technique of a range of dance forms and mind-body practices, including Afro-Latin, contemporary ballet, hip hop, contemporary modern and somatic practices); and seminars.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must successfully complete an interview and audition before enrolling in the dance major. If a student passes the interview, the School of Music, Dance and Theatre will change the student's major to the BFA in dance. In the event the student is admitted to ASU but not selected as a dance major or misses the interview application deadline, the student enters ASU as a dance interview student and must successfully pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days (https://musicdancetheatre.asu.edu/degree-programs/dance/undergraduate) take place in November and February of each year. To ensure a smooth curricular progression, all prospective dance students, including transfer students, are strongly encouraged to participate in the interview day during the semester prior to their intended date of enrollment.

Application Deadlines: Students should review the Dance Interview Day requirements and deadlines (https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply) for more details.
Transfer Admission Requirements: Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Application Deadlines: Students should review the Dance Interview Day requirements and deadlines (https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply) for more details.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FADANBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply creative perspectives and skills in their art-making that reflect broad understandings of current dance and digital media practices.
- •Implement culturally sensitive, moral, and socially grounded teaching, facilitation and community building practices.
- •Apply knowledge of the diversity and significance of past and current dance practices, traditions and trends as they are situated within human cultures to the creation and assessment of new work.

**Global Opportunities:**

Global Experience: Dance transcends language, so students can explore their art in various countries, no matter the language. When studying abroad (https://goglobal.asu.edu/), students expand their view of dance through an international lens while exploring various dance forms at their origins.

**Career Opportunities:** The comprehensive academic foundation of the Bachelor of Fine Arts program in dance prepares students to be leading dance professionals. Graduates of the program have the expertise to pursue professions as choreographers, performers, educators, community artists, scholars and much more. After leaving ASU, many graduates participate in activities like:

- conducting academic research
- curating or producing dance festivals and events
- directing or managing performing art companies, studios or dance-related organizations
- facilitating community partnerships and projects
- producing dance media for performance or instruction
- pursuing certification in somatic practices (Laban Movement Analysis, Feldenkrais Method, Alexander Technique, body-mind centering, etc.)
- teaching and designing curriculum
- working as a dance critic
- working in technical theatre and dance production
- working in the areas of health and wellness (fitness, yoga, massage therapy, etc.)
- working in the field of arts management and administration
- writing for scholarly publications

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/dance-bfa
GHALL 232A
mdtadmissions@asu.edu
480-965-4206

## Dance (Dance Education), BFA (FADANEBFA)

**Campus:** Tempe

**Program Description:** The BFA in dance with a concentration in dance education prepares students for certification to teach dance in K-12 schools in the state of Arizona as well as for certification in other states through a multistate reciprocity agreement.

The School of Music, Dance and Theatre provides a dynamic and culturally diverse learning environment in which students develop as creative artists, scholars and educators. Studies in dance cultures, music, digital media, dance history, philosophy and criticism, movement science, somatics, and stage and screen production enhance the rich educational setting. Creativity and research, the core program values, help to bridge knowledge and community and are embedded in a broad range of academic experiences emphasizing movement and creative practices, artistic process, leadership and pedagogy. The dance program also includes coursework in technique of a range of dance forms and mind-body practices, including Afro-Latin, contemporary ballet, hip hop, contemporary modern and somatic movement practice, and seminars.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must successfully complete an interview and audition before enrolling in the dance major. If a student passes the interview, the School of Music, Dance and Theatre changes the student's major to the BFA in dance. In the event that the student is admitted to ASU but not selected as a dance major or misses the interview application deadline, the student enters ASU as a dance interview student and must successfully

pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days (https://musicdancetheatre.asu.edu/degree-programs/dance/undergraduate) take place in November and February of each year. To ensure a smooth curricular progression, all prospective dance students, including transfer students, are strongly encouraged to participate in the interview day during the semester prior to their intended date of enrollment.

Application Deadlines: Students should review Dance Interview Day requirements and deadlines (https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply) for more details.
Transfer Admission Requirements: Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Application Deadlines: Students should review Dance Interview Day requirements and deadlines (https://musicdancetheatre.asu.edu/admissions/dance/undergraduate-steps-to-apply) for more details.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FADANEBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Apply creative perspectives and skills in their art-making that reflect broad understandings of current dance and digital media practices.
- Develop pedagogical approaches and curricular content for PreK-12 and community dance education settings.
- Apply knowledge of past and current dance practices, traditions and trends in one or more global or historical dance forms.

**Global Opportunities:**
Global Experience: Dance transcends language, so students can explore their art in various countries, no matter the language. When studying abroad (https://goglobal.asu.edu/), students expand their view of dance through an international lens while exploring various dance forms at their origins, gaining knowledge that will help them become educators of the art.

**Career Opportunities:** The concentration in dance education lays the foundation for a career in teaching in public and private settings. Students earn an Arizona teaching certification while pursuing the dance education degree and they can expect to find employment in one of many thriving middle school and high school dance programs throughout the state, community settings or dance studios.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/dance-dance-education-bfa
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Design Studies, BA (ARDSNBA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.

**Program Description:** The BA program in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

This is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories: communication for design, design history and general design.

The program provides a design education, general and specific, for students who seek opportunities in the broader design sector or in graduate education.

Students may undertake the program in one of two specific concentrations: design studies, which allows students to discover myriad possibilities of design as a subject area as well as the flexibility that it provides for further exploration; or design management, which offers a selection of courses in management and human communication that complement design.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARDSNBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Although a specific career path is not the principal intention, some graduates of the program have become involved in sales and marketing in the design sector; others have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://design.asu.edu/degree-programs
CDS 101
herbergeradvising@asu.edu

480-965-4495

## Design Studies (Design Management), BA (ARDSNMBA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BA in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute for Design and the Arts:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories: communication for design, design history and general design.

It provides a design education, general and specific, for students who seek opportunities in the broader design sector or in graduate education.

The concentration in design management offers a selection of courses in management and human communication that complement design and allows for more focused study in these areas.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARDSNMBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Although a specific career path is not the principal intention, graduates of the program have become involved in sales and marketing in the design sector while others have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

**Contact Information:**
Design and the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts

https://design.asu.edu/degree-programs
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Digital Culture (Media Processing), BA (HIDGCMPBA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Students interested in a media processing concentration should apply to the BS in digital culture (media processing) (https://degrees.apps.asu.edu/bachelors/major/ASU00/HIDGCMPBS/digital-culture-media-processing).
**Program Description:** The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

All students gain techniques to change the world and communicate using contemporary computational media, a vital power in today's world. Some go on to invent fresh techniques. Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media.

This digital culture program with a concentration in media processing is offered in partnership with the Ira A. Fulton Schools of Engineering. The program is designed for students who desire to specialize in media processing aspects of new media. Students complement their knowledge with a more advanced understanding of programming, data structures, signals processing and system architecture aspects of new media.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCMPBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students wishing to gain a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates of the digital culture program have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Environmental Design, BS (HIEDSBS)

**Campus:** Tempe, ASU at Los Angeles

**Program Description:** The BS program in environmental design at The Design School has an integrated curriculum designed to create a deep awareness and knowledge of issues that influence the design of built environments.

The program of study emphasizes general knowledge and design research as well as offering focus areas. Focus areas include innovation, technology and design strategies; and sustainability in environmental design. The curriculum provides special understanding of theories, technologies, social issues and management aspects related to the student's chosen focus area.

This program provides a broad base of skills and knowledge drawing from natural science, social science, arts and engineering and integrated into environmental design.

Los Angeles location
In Los Angeles, this program is not currently eligible for federal financial aid. Students seeking federal financial aid assistance or veterans interested in using GI Bill® benefits should consider the program on the ASU Tempe campus.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

The Los Angeles location is not available for international students seeking an F-1 or J-1 visa. Visa-eligible students should consider the program on the ASU Tempe campus.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their

academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIEDSBS~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can complement their ASU coursework with study abroad programs. Programs that focus on topics such as sustainability, design and ecotourism increase a student's multicultural engagement and expose them to the design of built environments in other parts of the world. More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates of this program may take on roles in offices, businesses, public institutions and industries that require an awareness of issues that affect environmental design. Additionally, graduates may choose to apply to graduate programs in related disciplines to pursue professional or other graduate degrees.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Fashion, BA (HIFSHBA)

**Campus:** Downtown Phoenix, ASU at Los Angeles

**Program Description:** The BA in fashion at ASU is a transdisciplinary program that provides students with a foundation that enables them to work across many segments in the fashion industry.

The fashion program combines history, business practices and hands-on studio experience to prepare students for a variety of roles in this global industry. Gaining a proficiency in illustration skills and fluency with materials, traditional techniques and digital technologies, students are prepared for interdisciplinary collaborations through coursework across marketing and merchandising, wearable technology, sustainability, management and leadership, international experience, and fashion and culture. In the capstone experience, students develop a substantial project within an area of focus. Opportunities for internships and study abroad further advance students' professional goals.

Through the leadership of well-known industry professionals, students with this bachelor's degree in fashion are connected globally to leaders in the industry.

Los Angeles location
In Los Angeles, this program is not currently eligible for federal financial aid. Students seeking federal financial aid assistance or veterans interested in using GI Bill® benefits should consider the program on the ASU Downtown Phoenix campus.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

The Los Angeles location is not available for international students seeking an F-1 or J-1 visa. Visa-eligible students should consider the program on the ASU Downtown Phoenix campus.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematicsor any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIFSHBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Learn design and commercial production techniques.
- Demonstrate ability to successfully utilize industry-based information.
- Produce projects relevant to fashion industry practices.

**Global Opportunities:**
Global Experience: Fashion varies from country to country, city to city and culture to culture. Studying abroad (https://goglobal.asu.edu) exposes students to unique cultural environments and allows students to expand their fashion knowledge in diverse settings. Students are challenged to adapt and persevere under unfamiliar social and cultural circumstances, which allows them to grow and prosper in their professional and personal lives. Students have the opportunity to enhance their resume and portfolio with a global perspective gained by studying abroad.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/fashion) for students majoring in fashion.

**Career Opportunities:** Graduates are prepared to enter the fashion industry in any of a number of roles. Some examples are:

- curator
- fabric designer
- fashion business analyst
- fashion designer
- marketing researcher
- merchandise display and window designer
- supply chain manager
- textile and apparel production manager

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Art
https://art.asu.edu/
ART 102
herbergeradvising@asu.edu
480-965-8521

## Film (Film and Media Production), BA (FAFLMBA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options, such as the BFA in Film and Media Production.
**Program Description:** Students pursuing the BA in film with a concentration in film and media production develop a comprehensive and practical knowledge of digital media production, an awareness of the impact of media and entertainment on audiences and culture, and an understanding of the role of the artist in society.

Students in this program have access to digital cameras, lighting and sound equipment, post-production software and facilities, and other resources --- including talented and dedicated peer and faculty colleagues who will give them multiple opportunities to produce projects of exceptional quality.

Students choose one of three upper-division tracks of study: directing; producing and screenwriting; or media technology, including cinematography, post-production and sound. Each course of study is supported by the degree-wide emphasis on ethical filmmaking practices, innovative creative expression, and preparation for a career as an industry professional.

The program is offered by The Sidney Poitier New American Film School.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: All film students are admitted to ASU into the Bachelor of Arts in film, filmmaking practices concentration. Students who wish to pursue the highly selective, studio-based Bachelor of Arts in film with a concentration in film and media production must complete the 15

hour film core and successfully pass an interview and review of their creative work to enter the concentration. This interview and creative work review generally takes place in the third or fourth term at ASU.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAFLMBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad provides students a once-in-a-lifetime opportunity to explore the globe while developing unique skills that can make them stand out in the competitive field of film and media. Students can observe international media culture firsthand. Global Education programs (https://goglobal.asu.edu/) provide an opportunity for students to explore their creative side with an intercultural lens. Not only do the programs encourage students to build communication skills, they challenge them, as artists, to think differently. Besides acquiring intercultural, communication and leadership skills, students have the chance to learn languages and expand their international network.

With more than 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether in a foreign country, in the U.S. or online, students are challenged to adapt and persevere and to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** Graduates possess the knowledge and experience they need to enter the media and entertainment field in careers as:

- cinematographers and camera operators
- directors for motion pictures, television and documentaries
- editors and post-production specialists
- producers and production executives
- screenwriters for motion pictures and television
- videographers and digital media content creators

The bachelor's degree program is an excellent broad-based foundation for work in the profession, and it prepares students for further training at graduate schools or conservatories.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Sidney Poitier New American Film School
https://film.asu.edu/
GHALL 232
filmadmissions@asu.edu
480-727-7132

## Film (Filmmaking Practices), BA (FAFPRBA)

**Campus:** Tempe, ASU at Los Angeles

**Program Description:** Students who pursue the BA in film with a concentration in filmmaking practices learn foundational production skills; entertainment and media ethics; feature, short and episodic screenwriting; and general film and media industry history and practices.

Course offerings focus on key professional skills such as screenwriting for feature films, television and new media, and producing practices, including on-set production and production management; business and legal matters; professional and technical writing; and production for feature films, television and internet content.

Production experience is regularly available through lower-division courses that provide creative coursework options, the upper-division course FMP 300, and credited opportunities to work on projects produced by students and faculty at The Sidney Poitier New American Film School. All students complete a year-long senior project, initiated and developed by the students and supported through dedicated faculty mentorship. There is also a unique Semester in L.A. program available to sophomores, juniors, and seniors, as well as industry intensives and internship opportunities.

Los Angeles location
The Los Angeles location for the BA in film with a concentration in filmmaking practices is accepting transfer students with an associate degree in film or media production from Arizona and California community colleges.

In Los Angeles, this program is not currently eligible for federal financial aid. Students seeking federal financial aid assistance or veterans interested in using GI Bill® benefits should consider the program on the ASU Tempe campus.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available at the official U.S. government website at https://www.benefits.va.gov/gibill/ (https://www.benefits.va.gov/gibill/).

The Los Angeles location is not available for international students seeking an F-1 or J-1 visa. Visa-eligible students should consider the program on the ASU Tempe campus.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsAny math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Transfer Admission Requirements: The Los Angeles location for the BA in film with a concentration in filmmaking practices accepts transfer students with an associate degree in film or media production from California community colleges, beginning fall 2022.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAFPRBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply technical, creative, and project management skills when undertaking the collaborative process of filmmaking.
- •Produce a comprehensive, coherent literature review by synthesizing relevant professional and scholarly literature regarding the artistic value and cultural impact of film, television, and digital media making.
- •Generate a media-based project following all of the stages required for successful completion.

**Global Opportunities:**
Global Experience: Study abroad provides students a once in a lifetime opportunity to explore the globe while developing unique skills that can help them stand out in the competitive field of film.

With more than 300 Global Education programs (https://goglobal.asu.edu) available, students have an opportunity to explore their creative side with an intercultural lens and acquire a breadth of knowledge in arts and culture uniquely different from their own. Not only do the programs encourage students to build communication skills, they challenge them, as an artist, to think differently. Besides acquiring intercultural, communication and leadership skills, students have the chance to learn languages and expand their international network.

Whether in a foreign country, in the U.S., or online, Global Education programs challenge students to adapt and persevere and provide them with a chance to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** The filmmaking practices concentration provides pre-professional students with the knowledge and experience that prepare them for entry-level positions in media and entertainment production; producing; public relations, marketing and management; and advanced graduate-level education.

Screenwriting allows students to develop a diverse and unique writing portfolio and an understanding of the creative and professional skills required to establish and maintain a successful career as a writer.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Sidney Poitier New American Film School
https://film.asu.edu/
GHALL 232
filmadmissions@asu.edu
480-727-7132

## Film and Media Production, BFA (HIFMPBFA)

**Campus:** Tempe

**Program Description:** The BFA in film and media production provides creative experiences and preprofessional training to students with a focus on ethical practices, cutting-edge technical skills and interdisciplinary collaboration. Students are equipped to master digital technologies and create stories that reflect their unique vision and voice.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student must have an overall GPA of 2.50 in order to transfer into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIFMPBFA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Present a digital portfolio that represents and reflects the student's unique creative voice, advanced technical skills, successful production experience, and professional vision.
•Apply technical, creative, and project management skills when undertaking the collaborative process of filmmaking.
•Demonstrate understanding of cultural institutions through a synthesis of research, critical thinking, and communication skills from multiple disciplines, drawn from American cultural institutions and storytelling traditions, as applied to the making, viewing, and study of film/media

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared for success in the growing media industry; to pursue a graduate degree; and to pioneer new careers that will require advanced media production skills, a professional work ethic, and a strong creative voice.

Graduates who earn this degree are prepared to pursue a wide array of skilled professional careers, including:

- animation and visual effects artist
- film, television, documentary and new media director
- film and media teacher
- media editor
- producer
- production, studio or network executive
- professional videographer
- public relations specialist for arts and entertainment
- sound designer
- sound recording engineer
- talent manager

**Contact Information:**
Design and the Arts, Herberger Institute for
The Sidney Poitier New American Film School
https://film.asu.edu
GHALL 232
filmadmissions@asu.edu
480-727-7132

## Graphic Design, BSD (ARGRABSD)

**Campus:** Tempe, Online

**Program Description:** The graphic design program in The Design School is committed to excellence in traditional and contemporary graphic design education, professionalism, research and service for the community at large. Faculty, alumni, students and visiting designers and educators constantly reinforce the link between society and nature and vigorously advocate quality in developing communication strategies.

The BSD curriculum acknowledges the need for creative environments that address ecological concerns and encourages students to develop sustainable, transdisciplinary work sensitive to cultural aesthetic. Students develop a strong foundation of design principles through lower-division studio and lecture courses, using this to build an overall understanding of how design can shape perception and meaning using visual media. Upper-division studio courses provide opportunities for students to work in collaborative teams addressing professional projects in information design, interaction design, exhibition design, animation, motion graphics, branding, publication design, web design, interface design and the multiple contemporary facets of sensorial design.

Graphic designers are responsible for designing how information is communicated. Forms of communication include print, video, film and electronic (web). Graphic designers are concerned with appearance, choosing the appropriate mechanism for communication, clarity of information and its effectiveness and how communication is transferred and received.

The BSD program in graphic design places an emphasis on strategic communication developed through a design process that includes research, analysis, conceptualization, planning and realization. The process leads to innovative visual communication design solutions for contemporary design problems that are local to global in scope.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/graphic-design-major/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARGRABSD~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad provides graphic design students with a chance to explore their creative side through an intercultural lens, challenging them to think differently as an artist and to explore different ways of communicating information visually across cultures, and it encourages students to build communication skills.

With more than 300 options available, whether in a foreign country, in the U.S. or online, Global Education programs (https://goglobal.asu.edu) give students a breadth of knowledge in arts and culture. Students can gain a global perspective and knowledge while earning ASU credit. Students learn to adapt and persevere, and to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** Based on a diversified portfolio upon graduation, those who opt for the graphic design profession gain employment in:

- advertising and marketing design
- brand and corporate identity design
- broadcast design (TV graphics)
- interaction and interface design
- museum or exhibition design
- publication design
- visual communication design
- web design

Specific examples of graphic designers' work include:

- annual reports
- books
- environmental graphics
- information design
- motion graphics

- multimedia presentations
- publications
- websites

Graduates also may pursue graduate studies leading to careers in design education and other fields of professional endeavor in design.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDS 101
herbergeradmissions@asu.edu
480-965-4495

## Industrial Design, BSD (ARINDBSD)

**Campus:** Tempe

**Program Description:** The BSD in industrial design at The Design School prepares students to envision the future by following the process of ideating, iterating, developing, testing and prototyping new products, services and strategies. Students use interdisciplinary learning to turn creative ideas into successful projects for society.

The program's students have a strong commitment to the environment and the human being; they center their approaches on delivering solutions that are beneficial for society, with a strong sense of humanity, empowered by the latest trends and technologies, always looking to get a positive impact on every scale.

The curriculum of lower-division studio and lecture courses helps students develop a strong foundation of design skills. Upper-division studio courses allow students to collaborate and address design challenges, professional projects and case scenarios. To balance the classroom theory and to add periods of practical, hands-on experience before graduation, industrial design students also follow an internship program.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARINDBSD~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad programs (https://goglobal.asu.edu/), industrial design students learn flexible ways of thinking that contribute to their ability to meet the program goal of creating products and service systems that benefit society. They gain a global perspective and knowledge in preparation for a future-focused career, all while in an international setting. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** After completing the program successfully, graduates can work as designers in several capacities or develop startup ventures.

Some career examples include:

- accessory designer
- automotive designer
- consumer goods designer
- design strategist
- furniture and homeware designer
- industrial or product designer
- toy designer
- trade show exhibit designer
- user experience designer
- user interface designer

Graduates obtain employment with consulting firms that design products, services and experiences for various clients, such as corporate industries, nonprofit institutions and nongovernmental organizations. They keep an entrepreneurial conscience, addressing specific social or environmental problems and providing successful market innovations.

Some pursue teaching courses in art and design schools, colleges or universities. Others have also established successful design and manufacturing ventures or led product development teams and innovations at renowned organizations.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu/
CDS 101
herbergeradmissions@asu.edu
480-965-4495

## Interior Design, BSD (ARINTBSD)

**Campus:** Tempe

**Program Description:** The BSD program in interior design at The Design School explores how people inhabit, interact with, and transform interior

environments. Interior designers create environments within buildings that meet the physical and psychological needs of individuals and institutions, providing a useful, rich and rewarding environment for users. Interior design involves the design of space, equipment and furniture. It requires substantial technical and organizational understanding; sensibility to form, lighting, color and texture; and an awareness of design history and theory.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARINTBSD~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Interior design students have the chance to see many different design styles across cultures when studying abroad. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), international experiences are possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. Students can find more information on available programs on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates find employment opportunities with interior design firms, architecture firms or corporations and governmental entities of any size. Firms may specialize in interior design for residential, commercial, retail, hospitality, institutional and health care spaces. Career specialties include historic restoration, branding, sustainability, new product innovation and incorporation of new technology.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDS 101
herbergeradmissions@asu.edu
480-965-4495

## Landscape Architecture, BSLA (ARPLABSLA)

**Campus:** Tempe

**Program Description:** The BSLA program at The Design School is an accredited undergraduate professional degree

(https://design.asu.edu/about/accreditation) that provides the knowledge and skills necessary to become a professional landscape architect. The program leverages the Phoenix metro area as a learning laboratory and offers students the opportunity to engage with the community in applied projects that focus on designing socially and environmentally sustainable outdoor environments to improve the ecological and social health of the urban environment.

Undergraduate landscape architecture projects can range from large-scale work encompassing urban design, landscape restoration, open space preservation planning, community planning and landscape ecological design to projects at the more intimate scale of a neighborhood park or residential backyard. Emerging areas of focus include creative placemaking; environmental equity, green roofs and living walls; restorative environments; sustainable design; and urban climate design.

Graduates have the qualifications to sit for the Landscape Architect in Training examination leading to registration as a professional landscape architect.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARPLABSLA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad provides the opportunity to view marvels of landscape architecture up close and in person. With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. Whether it's in a foreign country, in the U.S. or online, students in landscape architecture are exposed to unique and diverse cultural environments and expand their knowledge and skills in design and related disciplines. Students gain a global perspective and knowledge in preparation for a future-focused career while earning ASU credit for completed courses and staying on track for graduation.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/landscape-architecture) for students majoring in landscape architecture.

**Career Opportunities:** The bachelor's degree program is designed to prepare students for landscape architecture professional practice and advanced study at the graduate level. Graduates have found employment in nationally recognized firms working with notable landscape architects in large multinational firms or in public agencies. Alumni have also gone on to pursue advanced study at universities with distinguished graduate programs in landscape architecture and allied design fields.

The U.S. Bureau of Labor Statistics projects employment for landscape architects to grow 4% between 2018 and 2028, about as fast as the average for all occupations. The bureau also notes employers prefer hiring entry-level landscape architects with internship experience to significantly reduce the amount of on-the-job training. The bachelor's degree program has an internship requirement meant to address this preference and better prepare graduates for employment.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

The Bachelor of Science in Landscape Architecture is accredited by the Landscape Architectural Accreditation Board. Graduates have the qualifications to sit for the Landscape Architect in Training examination leading to registration as a professional landscape architect. For detailed information on licensure requirements, students should contact the Council of Landscape Architectural Registration Boards at https://www.clarb.org/ (https://www.clarb.org/).

**Contact Information:**
Design and the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Media Arts and Sciences, BA (HIDGCBA)

**Campus:** Tempe, Online
This program's name has changed effective Fall 2023. The previous name was Digital Culture.
**Program Description:** The BA program in media arts and sciences equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

This program is also offered as an accelerated degree with the MA in creative enterprise and cultural leadership. More information can be found on the Creative Enterprise and Cultural Leadership website (https://herbergerinstitute.asu.edu/degree-programs/creative-enterprise-and-cultural-leadership/about?dept=1400&id=1).

The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application, and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply

(https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/media-arts-sciences/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring programs around the globe furthers students' ability to apply their studies to a global spectrum. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students wishing to gain a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students majoring in media arts and sciences.

**Career Opportunities:** Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All know techniques to change the world through communication using contemporary computational media, a vital power in the today's world. Some graduates go on to invent fresh techniques.

Career opportunities include the following fields:

- audio
- comparative literature
- computing
- creative writing
- technical writing
- technology
- visual media

Digital culture alumni have obtained careers as:

- designers
- engineers
- graphic designers
- programmers
- software specialists

- special effects artists
- 3D modelers
- visual media artists

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/
STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Media Arts and Sciences (Art), BA (HIDGCABA)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture (Art).
**Program Description:** The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in media arts and sciences equips students with the knowledge, abilities and technical skills they need for creating computational media. Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

The program is for students wishing to specialize in visual composition aspects of new media. Students complement their knowledge of media arts and sciences with discipline-specific courses in the School of Art focused on the historical and theoretical aspects of visual arts, foundational visual arts skills, and hands-on knowledge of visual composition through digital means.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCABA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring programs around the globe furthers students' ability to apply their studies to a global spectrum. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students wishing to gain a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students majoring in media arts and sciences.

**Career Opportunities:** Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All graduates know techniques to change the world and communicate using contemporary computational media, a vital power in the today's world. Some go on to invent fresh techniques.

Graduates of the media arts and sciences program have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The media arts and sciences curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the media arts and sciences program who are interested in continuing their higher education are well prepared to apply for admission to the graduate programs through the School of Arts, Media and Engineering at ASU and other top interdisciplinary new media programs in the nation.

Media arts and sciences alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu
STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Media Arts and Sciences (Design), BA (HIDGCDBA)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture (Design).
**Program Description:** The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in media arts and sciences equips students with the knowledge, abilities and technical skills they need for creating computational

media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Media Arts and Sciences -- Design concentration
The media arts and sciences program with a concentration in design allows students to specialize in hybrid (physical and digital) product and space design. Students complement their knowledge with an understanding of the principles of space and product design as well as the historical and theoretical aspects of design, and they develop integrative design approaches to the digital and physical elements of hybrid products and spaces.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCDBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring programs around the globe furthers students' ability to apply their studies to a global spectrum. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students wishing to gain a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students majoring in media arts and sciences.

**Career Opportunities:** Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the today's world. Some go on to invent fresh techniques.

Graduates of the media arts and sciences program have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The media arts and sciences curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the program who are interested in continuing their higher education are well prepared to apply for admission to the graduate programs through the School of Arts, Media and Engineering at ASU and to other top interdisciplinary new media programs in the nation.

Media arts and sciences alumni have received job opportunities in the following fields:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/
STAUF B217
digitalculture@asu.edu
480-965-9438

## Media Arts and Sciences (English), BA (HIDGCENBA)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture (English).
**Program Description:** The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in media arts and sciences equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

The media arts and sciences program with a concentration in English is designed for students who wish to explore the historical, scientific and theoretical intersections of art, media and technology. Sharing of stories and media through electronic communities, participatory art-making and creativity forums on the web, gaming, digital movies and effects, mediated public spaces and electronic design are only a few of the new activities that are defining and evolving culture. Students in the concentration assist in the establishment, evolution and proliferation of such culture at the state, national and international level. Students use tools of inquiry to examine, analyze and create works of art through a hands-on approach to communication, writing, rhetoric and literacies in collaboration with the English department.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCENBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring programs around the globe furthers students' ability to apply their studies to a global spectrum. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students majoring in media arts and sciences.

**Career Opportunities:** Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All know techniques to change the world through communication using contemporary computational media, a vital power in today's world. Some graduates go on to invent fresh techniques.

Career opportunities include fields in which the following are sought: technology commentary, future studies, design fiction, technical writing, creative writing, comparative literature and fields in which collaboration is needed.

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Media Arts and Sciences (Film), BA (HIDGCFBA)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture (Film).
**Program Description:** The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The school prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in media arts and sciences equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming, and they learn to think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Armed with skills and reasoned judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in today's world. Some go on to invent fresh techniques.

Media Arts and Sciences -- Film concentration
The media arts and sciences program with a concentration in film is for students wishing to integrate digital aspects of film into new media. Students complement their knowledge of media arts and sciences with discipline-specific courses in the Sidney Poitier New American Film School that focus on the foundations of filmmaking practices, historical and theoretical aspects of film, knowledge of the film industry and hands-on knowledge of digital processes in filmmaking.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCFBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring programs around the globe furthers students' ability to apply their studies to a global spectrum. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students wishing to gain a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students majoring in media arts and sciences.

**Career Opportunities:** Graduates of the media arts and sciences program have a wide array of career opportunities in new media, involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The media arts and sciences curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the program who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the ASU School of Arts, Media and Engineering.

Media arts and sciences alumni have received job opportunities in:

- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- 3D modeling and fabrication
- visual media

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Media Arts and Sciences (Graphic Information Technology), BA (HIDGCTEBA)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture (Graphic Information Technology).
**Program Description:** The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The school prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in media arts and sciences equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; to breathe behavior into media, objects or systems by programming; and to think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Media Arts and Sciences -- Graphic Information Technology concentration
This concentration program is offered in partnership with the Ira A. Fulton Schools of Engineering. Students complement their knowledge of new media with technology and new media entrepreneurship skills, knowledge of legal and ethical issues for technology, and additional skills in graphic communication, digital illustration and design methodology.

Students should be advised that while most requirements can be completed at the Tempe campus, courses specific to this concentration take place on the Polytechnic campus.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help

international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCTEBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring programs around the globe furthers students' ability to apply their studies to a global spectrum. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students majoring in media arts and sciences.

**Career Opportunities:** Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in today's world. Some go on to invent fresh techniques.

Graduates of the media arts and sciences program have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The media arts and sciences curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top transdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Media Arts and Sciences alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF-B 217
herbergeradvising@asu.edu
480-965-9438

## Media Arts and Sciences (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture (Interdisciplinary Arts and Performance).
**Program Description:** The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in media arts and sciences equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic era.

Armed with skills and sound judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the modern world. Some go on to invent fresh techniques.

Media Arts and Sciences -- Interdisciplinary Arts and Performance concentration

This concentration in interdisciplinary arts and performance is offered in partnership with the New College of Interdisciplinary Arts and Sciences. The program focuses on a transdisciplinary and collaborative approach to the arts, technology and performance. It emphasizes the traditions of transdisciplinary, avant-garde and experimental arts and on contemporary art and performance. Courses include digital media arts, music and electronic sound art, performance studies, theatre and performance practice and digital graphics.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap

in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDCIAPBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring programs around the globe furthers students' ability to apply their studies to a global spectrum. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students major in media arts and sciences.

**Career Opportunities:** Graduates of the media arts and sciences program have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The media arts and sciences curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems such as:

- diagnostic, monitoring and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Media arts and sciences alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects

- visual media

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Media Arts and Sciences (Media Processing), BS (HIDGCMPBS)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture (Media Processing).
**Program Description:** The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BS program in media arts and sciences with a concentration in media processing is for students wishing to specialize in media processing aspects of new media.

This program teaches students to understand the transformative role of digital technology in cultural practice, society and day-to-day life, emphasizing the strongest emerging trends in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. Students in the Bachelor of Science program complement the knowledge acquired through media arts and sciences coursework with a more advanced understanding of the programming, data structures, signals processing and system architecture aspects of new media.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Students must have a GPA of 3.00 to transfer into the media arts and sciences program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCMPBS~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) allow digital culture students to think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, critical skills in this dynamic age. With over 300

options available, Global Education programs allow students to tailor their experience to their unique interests and skill sets. Whether it's in a foreign country, in the U.S. or online, students in media arts and sciences are able to be exposed to diverse cultural environments and differences worldwide and take in the broad uses of technology and its uses on a global scale.

Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students majoring in media arts and sciences.

**Career Opportunities:** Career opportunities include positions in the following fields: graphic design, design, audio, visual media, computer science, technology, technical writing, creative writing and comparative literature.

Media arts and sciences alumni have obtained careers as graphic designers, 3D modelers, special effects artists, visual media artists, programmers, engineers and software specialists with Apple, Microsoft, CISCO, Industrial Light and Sound, PIXAR and other techno-centric companies.

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/
STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Media Arts and Sciences (Music), BA (HIDGCMBA)

**Campus:** Tempe
This program's name has changed effective Fall 2023. the previous name was Digital Culture (Music).
**Program Description:** The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The School of Arts, Media and Engineering prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in media arts and sciences equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media, which is computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Media Arts and Sciences -- Music concentration
In the concentration in music, students complement their knowledge of media arts and sciences with discipline-specific courses in the School of Music. These courses focus on understanding the foundations and historical and theoretical structures of commercial and popular music and the principles of electronic music composition and digital sound.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCMBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring programs around the globe furthers students' ability to apply their studies to a global spectrum. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students wishing to gain a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students majoring in media arts and sciences.

**Career Opportunities:** Armed with skills and reasoned judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in today's world. Some go on to invent fresh techniques.

Graduates of the media arts and sciences program have a wide array of career opportunities in new media to choose from, in fields such as:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The media arts and sciences curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Media arts and sciences alumni have received job opportunities in:

- 3D modeling and fabrication
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- visual media

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture

STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Media Arts and Sciences (Theatre), BA (HIDGCTBA)

**Campus:** Tempe
This program's name has changed effective Fall 2023. The previous name was Digital Culture (Theatre).
**Program Description:** The School of Arts, Media and Engineering educates the next generation of learners and empowers them with technofluency --- its development, application and implications. The school prepares students to be socially aware, critically thinking global citizens who strive to bring about positive change in a society that will be increasingly shaped by new technologies.

The BA program in media arts and sciences equips students with the knowledge, abilities and technical skills they need for creating computational media.

Students learn to create computational media and computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming, and they learn to think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in this dynamic age.

Media Arts and Sciences -- Theatre concentration
The concentration in theatre is for students who desire to integrate principles of design and production with digital culture. Students complement their knowledge of media arts and sciences with discipline-specific courses in the School of Music, Dance and Theatre that focus on understanding the fundamentals and principles of theatre design, including scene, lighting, sound, costume and multimedia design, while developing art and technical direction and digital design skills.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIDGCTBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring programs around the globe furthers students' ability to apply their studies to a global spectrum. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for

all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/herberger/digital-culture) for students majoring in media arts and sciences.

**Career Opportunities:** Armed with skills and reasoned judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All graduates gain techniques to change the world and communicate using contemporary computational media, a vital power in today's world. Some go on to invent fresh techniques.

Graduates of the media arts and sciences program have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The media arts and sciences curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:

- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education are well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the ASU School of Arts, Media and Engineering.

Media Arts and Sciences alumni have received job opportunities in the following fields:

- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- 3D modeling and fabrication
- visual media

**Contact Information:**
Design and the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF-B 217
digitalculture@asu.edu
480-965-9438

## Music, BA (FAMUSBA)

**Campus:** Tempe

**Program Description:** The BA in music provides students with a broadly based liberal arts degree.

Students receive a strong foundation in music theory and music history while completing lessons on their major instrument. The curricular core provides students with the opportunity to explore music as human history, cultural artifact and social behavior.

Students may combine the degree with another major or minor within ASU.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** Any math course that meets the MA designation.

**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions). Auditions take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major is changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSBA~null + &college=CHI) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Analyze key creative and artistic processes from at least two musical styles and historical periods.
- •Analyze specific musical products within the context of a specific historic or cultural tradition.
- •Write research papers applying the conventions of scholarly discourse in music.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- music criticism and research, ethnomusicology and musicology
- music entrepreneurship, concert management and promotion
- music publishing
- performing in community and professional ensembles in a variety of styles and traditions
- teaching in a private studio or community program

Many graduates pursue a master's degree or a doctorate in music or another professional field.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music-ba
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Music (Music and Culture), BA (HIMUSMCBA)

**Campus:** Tempe

**Program Description:** The BA in music with a concentration in music and culture is a broadly based liberal arts degree program offering the most elective flexibility of any ASU music major.

Students acquire skills applicable to careers in music and many other fields (e.g., librarianship, arts festival management or production, criticism, audience education, recruitment, artist representation, publishing, creative writing). They may develop mainstream competencies such as performing or writing about Western European music, conducting, and teaching about music. They may also pursue coursework in popular music, acoustics, advocacy of wellness through music, dance as musical embodiment and selected musical competencies of Asia, Latin America and other areas.

Students explore music as human history, cultural artifact and social behavior, and engage in interdisciplinary thinking and academic research and writing. Because of the high percentage of elective courses, students may tailor both the General Studies courses and the music electives to suit their career goals.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

The following comprise the audition process for admittance to the music and culture concentration:

- Students must submit a writing sample, which will be evaluated by all musicology faculty members.

Students must submit evidence of musicianship broadly defined (basic notational literacy plus live audition on, for example, didgeridoo or gospel-style composition, or documented transdisciplinary installation including music), which will be evaluated by all musicology faculty.
- Students must attend an interview with at least three musicology faculty members.

- Each student will be matched with a musicology advisor at the time of acceptance. The advisor will assist them in the choice of ensembles (as qualified) and electives to support their programs of study. Students must audition and be accepted into large ensembles following established procedures.

- Students who wish to take studio lessons as part of the degree must audition for the appropriate performance faculty members. Students should follow the audition requirements for the BA in music.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum and to departmental or school evaluation of studio and class piano courses with respect to performance standards.
Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIMUSMCBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Analyze key creative and artistic processes from at least two musical styles and historical periods.
- •Analyze specific musical products within the context of new musical fields, cultures, or practices.
- •Write research papers applying the conventions of scholarly discourse in music.

**Global Opportunities:**
Global Experience: With over 300 programs (https://goglobal.asu.edu/) in more than 65 countries (programs vary in length, from one week to one year), music and culture students have the opportunity to experience music of their area of focus in the music capitals of the world. Students gain a global perspective and knowledge in preparation for their career while earning ASU credit for completed courses and staying on track for graduation.

**Career Opportunities:** The program prepares students for potential careers in fields that require skilled written communication, the ability to conduct research both in electronic and print media, critical and logical thinking, the dissection of an argument and careful time management.

In addition to the careers listed below, graduates may pursue jobs in music and medical humanities or copyright and entertainment law. Graduates are prepared to work in various professional capacities, including:

- community and professional ensemble performance in a variety of styles and traditions
- music criticism and research, ethnomusicology and musicology
- music entrepreneurship, concert management and promotionmusic in culture, music blogging
- music librarianship
- music publishing, program annotation
- private studio or community program teaching

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music/musicology?dept=392823&id=1
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music (Popular Music), BA (HIMUSPMBA)

**Campus:** Downtown Phoenix

**Program Description:** The popular music concentration within the BA program in music at Arizona State University welcomes and accommodates musicians interested in popular music, music industry studies and entrepreneurship. This includes singers and songwriters, laptop performers, producers, composers, instrumentalists, vocalists and musicians whose practices and playing styles are representative of varied popular music idioms. Students can elect to choose either the performer or non-performer track, following the flexible major map to cater to their desired experience.

All students in the popular music program develop general musicianship and foundational skills that prepare them to specialize in areas of study which include songwriting, production, composition, performance, engineering, sound design, live sound and event production, music business, popular music education and advocacy work. Students participate in both group and individual applied study in chosen specializations, complemented by yearly special programing and opportunities such as visiting artists and professionals, exposure to industry partners, master classes, and professional development and career opportunities. All students gain a working knowledge of the music industry and music business and the entrepreneurial skills necessary to gain meaningful employment and career building skills upon graduation.

Internship courses provide opportunities for students to apply their learning in a real-life context and begin building relationships. A capstone senior year allows students to work more intimately with faculty on perfecting their craft as well as preparing for the shift from ASU to the industry.

Students are required to have a personal laptop capable of running a digital audio workstation, and they may need to purchase music software applications depending on their specialization.

Students attend classes at the Downtown Phoenix campus.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Audition Process for admittance to BA in Music (Popular Music) concentration:

Artist Statement:

All auditioning students must submit an artist statement explaining both their current work and vision of their future work in popular music. A minimum of 250 words is required.

Audition:

Live auditions or recorded auditions are required for admission to the BA program in popular music and for placement in MUP 111 Studio Instruction in popular music. A live audition consists of a 15-minute performance or presentation consisting of three to five selections of live or digital music performance. The selections may be original works or selections from popular music repertoire. The audition also includes scales, improvisation and aural skills. Students may also provide a recorded sample of their creative popular music work if they so choose.

For students seeking to pursue popular music performance, a live or recorded performance video is required for at least part of the audition. For other disciplines in which a video is not possible (studio recording, music creation and composition), students are required to submit a digital audio sound recording of three to five selections.

The audition also includes a live or remote interview. A live audition is preferred. Applicants who are unable to visit the campus for a live audition may upload a recorded audition to the School of Music, Dance and Theatre application. These students will be contacted by faculty to arrange a remote interview.

Students interested in pursuing classical music lessons are required to follow the classical repertoire audition requirements for MUP 111 Studio Instruction in addition to auditioning for MUP 111 Studio Instruction in popular music.
Transfer Admission Requirements: Students transferring from community colleges, other universities or other ASU programs engage in the same audition process as first-year students.

Transfer students are encouraged to audition during the semester before they wish to enroll at ASU. They will also take piano and music theory diagnostic exams at that time to ensure placement in appropriate coursework.

Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A") and may change their major to the BA in music with a concentration in popular music if they successfully complete the audition process required for admittance and are accepted into the degree program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIMUSPMBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Analyze key creative and artistic processes from a range of musical styles and historical periods.
- •Apply music industry studies as it pertains to popular and contemporary music industry starting from the late 19th century to modern day.
- •Execute professional level techniques in their chosen specializations.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared for careers in the popular music industry that involve creativity and creating new work, being a flexible musician, collaborating with others in the community and having knowledge of music business and music marketing. Possible jobs include:

- • contemporary composer for film, TV and games
- • concert or artist manager and promotor
- • entrepreneur and music marketer
- • live event production and experience designer
- • label or music executive
- • musical director, arranger and publisher
- • music performer in the popular music sector
- • nonprofit arts-related worker
- • sound designer or studio engineer
- • songwriter, producer or teacher in a private studio

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music/undergraduate
MUSIC E167
mdtadmissions@asu.edu
480-965-5069

## Music Learning and Teaching, BMUS (FAMUSEBM)

**Campus:** Tempe

**Program Description:** In the BMUS program in music learning and teaching, students develop skills to become a music educator in a variety of K-12 school and community settings.

Through coursework and lab participation, students develop strong pedagogical skills and flexible musicianship, to deepen and broaden music making in varied styles and contexts including contemporary digital music making. They also develop the abilities to facilitate people's music engagement and learning in varied settings. Students learn how to design and facilitate supportive, generative and equitable music programs that support all music students, helping them to grow and thrive.

Upon completion, students can earn a K-12 teaching certification with multistate reciprocity.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major is changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student remains as a music audition major and needs to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSEBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply skills needed for teaching music in K-12 classrooms, such as organized instructional plans, clear delivery, effective pacing and assessment techniques.
- •Develop a repertoire of teaching strategies appropriate to the developmental characteristics and learning styles of children and adolescents through observation and teaching experience.
- •Write research papers applying the conventions of scholarly discourse in music.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared to teach in public and private school music programs that offer a variety of music classes, including general music, choir, band, orchestra, strings, guitar, jazz, music production, music technology and popular music.

Graduates work in various professional or entrepreneurial capacities, including:

- performing in community and professional ensembles in a variety of styles and traditions or as a freelance musician in venues, such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school and community programs as artist-in-residence
- teaching and directing in a private studio or community programs
- working in music-related fields such as media production, music business, publishing, marketing and education.

Many graduates pursue a master's degree or a doctorate in music learning and teaching, in music or the arts, or in another professional field.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music-learning-and-teaching-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Music Therapy, BMUS (FAMUSTHBM)

**Campus:** Tempe

**Program Description:** The BMus program in music therapy prepares students for a career in health care, community-based and special education settings. Music therapy majors learn to use carefully planned music interventions to achieve desired changes in a client's individualized behavior and functioning.

Music therapy is a profession in which engagement and receptive or active music-making help a client achieve individual therapeutic goals. Music therapy students develop a wide range of musical, verbal and nonverbal skills, through the programs' many opportunities to work in clinical settings. Students also study:

- human anatomy
- musical improvisation
- popular music styles
- psychology
- songwriting
- special education
- world music

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)

Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major is changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student remains as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSTHBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Apply competent music foundation skills across their secondary instruments of voice, piano, and guitar.
- Apply basic knowledge of the causes, symptoms of, and basic terminology used in medical, mental health, and educational settings to the implementation of therapeutic interventions.
- Write research papers applying the conventions of scholarly discourse in music.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are eligible to sit for the music therapy certification examination given by the Certification Board for Music Therapists.

Positions are available regionally and nationally in hospitals, schools, rehabilitation centers, nursing homes and other health care facilities. Graduates are prepared to work in the fields of community music therapy and wellness, geriatric care, mental health, physical rehabilitation, special education, or within veteran and military populations.

A music therapy career may also provide an opportunity for private practice with flexible hours.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/music-therapy-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Performance (Collaborative Piano), BMUS (FAMUSPPBM)

**Campus:** Tempe

**Program Description:** The BMus program in performance with a concentration in collaborative piano offers private instruction in solo and collaborative piano; coaching with faculty on chamber music, song, operatic and musical theatre repertoire; and opportunities with large ensemble and choral programs. This diverse training leads directly to vibrant collaborative performance experiences in all areas, including collaboration with colleagues in dance and theatre.

Collaborative piano students regularly perform with their vocal and instrumental colleagues in concerts at ASU and throughout the valley, including at the Scottsdale Center, the Kerr Cultural Center, Tempe Center for the Arts, and the renowned Musical Instrument Museum.

The program focuses on the core repertoire of song, piano chamber music, opera and musical theater. Collaboration within the School of Music, Dance and Theatre involves all performance areas, including classes and opportunities with the music theatre and opera programs, concerts with large ensembles and choirs, duo recitals with instrumental and voice colleagues, and performances of chamber music literature as part of the Visiting Quartet Residency program.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and

Theatre, the applicant's major is changed to music. In the event a student admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPPBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Develop performance practices in the context of diverse musical settings and genres, demonstrating familiarity with the literature of one's instrument, as well as an overview of vocal and instrumental literature.
- Evaluate piano and related repertoire and pedagogy to develop a unique musical style.
- Produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers, and institutions.

**Global Opportunities:**
Global Experience: Students who experience music in different countries expand their understanding of musical performance. Many ASU faculty are involved in summer music festivals throughout the world and often bring their ASU students to experience this global environment of collaboration.

With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), Global Education programs (https://goglobal.asu.edu/) are possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- performing as a collaborative pianist with singers and instrumentalists
- performing as a pianist with large instrumental ensembles
- performing as a pianist for music recording and studio work
- rehearsing and performing as a pianist with choral ensembles

- rehearsing and performing as a pianist for musical theatre or opera productions
- teaching in a private studio or community music program
- working as a vocal coach
- working collaboratively in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-collaborative-piano-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Performance (Guitar), BMUS (FAMUSPGBM)

**Campus:** Tempe

**Program Description:** The BMus in performance with a concentration in guitar is a program that focuses on the study of classical guitar literature and techniques. Goals include enabling students to express themselves musically while emphasizing the skills they will need in order to pursue careers as professional musicians. The course of study includes extensive performance experiences.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute

must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPGBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Students will develop performance practices in the context of diverse musical settings and genres, demonstrating familiarity with the literature of their instrument.

•Students will be able to critically evaluate their instrument's repertoire and pedagogy to develop a unique musical style.
•Graduates will be able to produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers and institutions.

**Global Opportunities:**
Global Experience: Students who experience music in different countries can expand their understanding of musical performance. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared to work in various professional or entrepreneurial capacities, including:

• performing as a concert soloist or in chamber music ensembles or as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
• presenting school programs or serving on state or community arts councils as artist-in-residence
• recording and studio work
• teaching in a private studio or community program
• working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-guitar-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Performance (Jazz), BMUS (FAMUSPJBM)

**Campus:** Tempe

**Program Description:** The BMus in performance with a concentration in jazz prepares students for professional careers and leadership roles in

jazz and related fields of contemporary music by promoting flexible musicianship and an understanding of the jazz tradition.

The curriculum includes course offerings in jazz performance, composition, arranging, history, theory, aural skills and pedagogy and is designed to incentivize artistic expression, innovation, and the exploration of blues-based improvisation, bebop, Latin jazz, swing and soul music.

Students in the ASU jazz studies program find an abundance of performance opportunities in the many university ensembles and professional groups that perform in the greater Phoenix metropolitan area.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPJBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Execute long-range performance projects.
- •Analyze musical elements and social uses of music, including in interactions between performers and composers.
- •Develop performance practices in the context of jazz genres, demonstrating familiarity with the repertoire of the student's instrument.

**Global Opportunities:**
Global Experience: Students who experience music in different countries can expand their understanding of musical performance. Their exposure to unique and diverse cultural environments enables them to develop an understanding of others' forms of artistic expression. Global Education opportunities (https://goglobal.asu.edu/) can shape the student musically while offering the global perspective and knowledge they will need when pursuing a career as a professional musician in an international environment.

With over 300 Global Education options available, whether in a foreign country, in the U.S. or online, students can tailor their experience to their unique interests and skill sets. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- accompanying
- composing or arranging jazz
- performing as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- recording and studio work
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-jazz-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Performance (Keyboard), BMUS (FAMUSPKBM)

**Campus:** Tempe

**Program Description:** The BMus in performance with a concentration in keyboard is a program that focuses on the study of literature and techniques of the piano or organ. Goals include enabling students to express themselves musically while emphasizing the skills that are necessary for pursuing a career as a professional musician. The course of study includes extensive performance experience.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPKBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Students will develop performance practices in the context of diverse musical settings and genres, demonstrating familiarity with the literature of their instrument.
- •Students will be able to critically evaluate their instrument’s repertoire and pedagogy to develop a unique musical style.
- •Graduates will be able to produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers and institutions.

**Global Opportunities:**
Global Experience: Students who experience music in different countries can expand their understanding of musical performance. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared for work in various professional or entrepreneurial capacities, including:

- performing as a concert soloist or in chamber music ensembles
- performing as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs or serving on state or community arts councils as artist-in-residence
- recording and studio work
- teaching privately or in a professional music school, a college or a university program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-keyboard-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Performance (Music Theatre), BMUS (FAMUSPMBM)

**Campus:** Tempe

**Program Description:** The BMus in performance with a concentration in music theatre is an intensive, performance-oriented program.

Training includes private voice lessons every semester of study as well as specialized instruction in acting, dance, audition techniques, technical production, repertoire classes, scene study and performance.

A unique feature of this program includes an innovative sequence of musical theatre performance courses designed to synthesize all the abilities necessary to succeed as a professional musical theatre performer.

ASU is unique in that students may receive professional training in both opera and musical theatre in a broad variety of musical theatre styles, from traditional to contemporary. Two musicals and two operas are produced each year, plus new works and student-led productions. The annual showcase in New York City and Phoenix as well as formal collaborations with Arizona Opera and The Phoenix Theatre Company provide additional performance opportunities and valuable career immersion experiences for all students.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-

auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Once admitted to both ASU and the School of Music, Dance and Theatre, the applicant's major is changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student remains as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPMBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will synthesize music theatre performance practices and techniques in the context of diverse musical and theatrical settings and genres, demonstrating familiarity with the literature and different music theatre contexts and styles.
- Students will apply knowledge of music theatre repertoire in context of musical and social history and theory in performance practice.
- Graduates will be able to produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers and institutions.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** This degree program is designed for individuals who plan a career as a performing singer and actor in opera, operetta, musicals and other forms of musical theatre. Graduates become conductors, teachers, singers and actors and are prepared to work in various professional capacities, including performance:

- at universities, colleges and schools
- in major opera houses
- in national touring companies
- on Broadway

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-music-theatre-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Performance (Orchestral Instrument), BMUS (FAMUSPOBM)

**Campus:** Tempe

**Program Description:** The BMus program in performance with a concentration in an orchestral instrument focuses on the study of music literature and techniques on a specific orchestral instrument.

Students receive coaching from world-renowned faculty and visiting guest artists, attend master classes, and receive extensive performance experience in large ensembles, as a chamber musician and as a soloist. Students study a specific orchestral instrument intensively with a faculty member for eight semesters including major repertoire, solo literature and chamber music.

Additionally, students learn skills that are required of highly successful working musicians, including audition preparation, networking, learning organizational strategies, opportunity creation and developing an entrepreneurial mindset.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the  complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel

and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPOBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Develop performance practices in the context of diverse musical settings and genres, demonstrating familiarity with the literature of their instrument.
- •Evaluate an instrument’s repertoire and pedagogy to develop a unique musical style.
- •Produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers, and institutions.

**Global Opportunities:**
Global Experience: Students who experience music in different countries can expand their understanding of musical performance. They are exposed to unique and diverse cultural environments which enable them to develop an understanding of other forms of artistic expression. Global Education opportunities (https://goglobal.asu.edu/) can shape the student musically while offering the global perspective and knowledge they will need when pursuing a career as an international professional musician.

With over 300 Global Education options available, whether in a foreign country, in the U.S. or online, students are able to tailor their experience to their unique interests and skill sets. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The Herberger Institute for Design and the Arts recommends these programs (https://goglobal.asu.edu/students/major/music-performance) for students majoring in performance.

**Career Opportunities:** Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- • performing as a concert soloist; as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks; or performing in orchestras, chamber music ensembles, music theatre and opera pit ensembles
- • presenting school and community programs
- • recording and studio work
- • teaching privately or as part of a college or university program
- • working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-orchestral-instrument-bmus

MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Performance (Voice), BMUS (FAMUSPVBM)

**Campus:** Tempe

**Program Description:** The BMus program in performance with a concentration in voice focuses on the study of vocal technique, repertoire and performance while emphasizing the skills necessary for a career as a classical singer. The program provides extensive performance experience as well as an inclusive and supportive environment with opportunities to explore many different singing styles.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions) take place on campus in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event an applicant is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSPVBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Students will develop vocal performance practices and techniques in the context of diverse musical settings and genres, demonstrating familiarity with voice-specific literature and different singing styles.

•Students will be able to critically evaluate vocal repertoire and pedagogy to develop a unique musical style.

•Graduates of the voice concentration of the BMus in performance will be able to produce a research study focusing on musical elements, social uses of music, and interplay among performers, composers and institutions.

**Global Opportunities:**
Global Experience: Students who experience music in different countries can expand their understanding of musical performance. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared to work in various professional and entrepreneurial capacities, including:

- performing as a soloist, stage performer, choral singer or freelance musician in venues such as opera houses, theatres, concert halls, churches, clubs, cruise ships, resorts, restaurants and theme parks
- recording and studio work
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing, marketing or arts administration

Many graduates pursue a master's degree or a doctorate in music or another professional field.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-voice-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Performance and Movement, BA (HIPERMVBA)

**Campus:** Tempe

**Program Description:** The BA program in performance and movement is an inclusive, transdisciplinary degree program that encourages students to develop both collaborative approaches to learning and professional industry skills in the performing arts. This program is grounded in cultivating community practice through theatre and dance.

The bachelor's degree program is located within the ecosystem of Phoenix and enables students to understand, deconstruct and uplift diverse artistic modes across media and encourages the student to create a flexible degree program that intersects and engages these areas of interest. This degree program offers a number of focus areas: dance and theatre, social and partnership dance and Hip Hop arts.

Dance and theatre --- The dance and theatre focus area is designed for dancers who seek experience working with theatrical performance and acting, actors and performers who seek to balance text and voice work with movement exploration, and writers and directors who want to explore a wide range of approaches to live performance.

Social and partnership dance --- The social and partnership dance focus area is an innovative program that allows students to explore multiple styles and approaches in social and partnership dance both in formal classroom study and informal student-centered community events. The focus area seeks to prepare future Afro-Latin social and ballroom dance leaders with pedagogical, performance and community-building strategies to support the need for serving local and national community engagement in social dance as a means to create social transformation and change.

Hip Hop arts --- The Hip Hop focus area is designed for the student interested in melding intersectional embodied practice, social justice and Hip Hop culture by offering a critical look at the historical, social and practical application of Hip Hop scholarship and culture. The program focus spans various forms of Hip Hop artistry and expression through thought-provoking, in-studio courses and hands-on practical application and connects students with scholars and hip hop practitioners to embrace the interdisciplinary nature of Hip Hop arts: dance, music, visual and voice.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=HIPERMVBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Students graduating with a BA in performance and movement will be able to apply creative processes in their art-making that reflect contemporary understandings of dance and theatre practices.
•Graduates will be able to execute the stages of long-range creative projects.
•Students graduating from the BA in performance and movement will be able to implement culturally sensitive, ethical and socially grounded teaching, facilitation, and community-building practices.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** The bachelor's degree in performance and movement provides an excellent broad-based foundation for work in the arts or entertainment professions and readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis combined with a focus on physical presence prepares graduates for a variety of occupations in both performance and nonperformance fields. Opportunities may include work with:

- arts entrepreneurship
- professional performing
- studio ownership and management
- themed entertainment

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential

licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/performance-and-movement-ba
GHALL 232A
mdtadmissions@asu.edu
480-965-4206

## Theatre, BA (FATHEBA)

**Campus:** Tempe

**Program Description:** The BA program in theatre provides students with a hands-on theatre education within a broad range of academic opportunities. Every student is encouraged to develop their own creative skills through collaboration and to pursue a variety of areas of theatre and performance.

The program offers specialty coursework in the following areas:

- acting
- community engagement
- design and production
- directing
- dramatic literature and dramaturgy
- educational certification
- new work development
- theatre history
- theatre for youth
- voice and movement

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Creative Enterprise and Cultural Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Transfer Admission Requirements: Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college

must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FATHEBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Apply key creative and artistic processes relevant to one's area of focus in theatre (design processes, historical research for production, development of performer skills with an eye toward production, etcetera)
•Execute the stages of long-range creative projects.
•Explain how theatre shapes the cultural and political landscapes of societies.

**Global Opportunities:**
Global Experience: Students studying theatre can find inspiration and deepen their understanding of theater through a study abroad program. Study abroad provides an opportunity for students to explore their creative side with an intercultural lens. Not only do the programs encourage students to build communication skills, they challenge them, as artists, to think differently.

With over 300 options available, Global Education (https://goglobal.asu.edu) programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether in a foreign country, in the U.S. or online, students are challenged to adapt and persevere and to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

Vital qualities in the field of theater such as leadership, teamwork and communication can be developed and honed abroad. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

**Career Opportunities:** The bachelor's degree program in theatre provides an excellent foundation for work in the arts and entertainment and prepares students for further training at graduate schools or conservatories.

The program's broad-range of academic opportunities prepares graduates for a variety of occupations in the entertainment industry. Opportunities may include work with:

- arts entrepreneurship
- concert venues
- corporate events
- literary agencies
- schools and training programs
- theatre and arts festivals
- theme parks

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Acting), BA (FATHEABA)

**Campus:** Tempe

**Program Description:** The BA program in theatre with a concentration in acting provides students with a hands-on education that emphasizes performance in both live theatre and recorded media. Within the context of a comprehensive liberal arts education, the program prepares students for advanced graduate study in the field and for entry-level careers in acting and performance. The program offers specialty coursework in the

following areas:

- acting for film, television and new media
- accent work
- devising
- intimacy direction/coordination
- movement
- new work development
- stage combat
- voice-over

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students interested in the BA in theatre with a concentration in acting are admitted directly into the major by indicating their degree preference on their ASU admission application.
Transfer Admission Requirements: Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FATHEABA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply, through performance, foundational creative processes of live theatre and film.
- •Explain how theatre shapes the cultural and political landscapes of societies.
- •Execute creative projects/performances targeting the area of live performance and creation fitting student’s career plans.

**Global Opportunities:**
Global Experience: Students studying theatre can find inspiration and deepen their understanding of theater through a study abroad program. Study abroad provides an opportunity for students to explore their creative side with an intercultural lens. Not only do the programs encourage students to build communication skills, they challenge them, as artists, to think differently.

With over 300 options available, Global Education (https://goglobal.asu.edu) programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether in a foreign country, in the U.S. or online, students are challenged to adapt and persevere and to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

Vital qualities in the field of theater such as leadership, teamwork and communication can be developed and honed abroad. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

**Career Opportunities:** The bachelor's degree program in theatre with a concentration in acting provides an excellent broad-based foundation for work in the profession. It prepares students for advanced graduate study and independent career pursuits in performance. It offers students advanced study that can lead to careers in professional theatre, film, television, media, education and other related arts disciplines.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theatre (Design and Production), BA (FADSNPRBA)

**Campus:** Tempe

**Program Description:** This BA program in theatre with a concentration in design and production provides students with opportunities to hone their craft while creating exciting work onstage and in the classroom. The concentration provides each student the unique opportunity to explore their own creative process and ability to collaborate with others.

The program offers specialty coursework in the following areas:

- costume construction
- costume design and technology
- digital fabrication
- lighting design and stage electrics
- media design and technology
- properties construction
- scenic art and construction
- scenic design
- sound and media systems design
- sound design and technology
- stage management
- technical direction

In addition to building knowledge and skills, concentration students are mentored by professional designers and technicians to successfully transition from college to their future careers in entertainment design and production, or to graduate programs for additional training.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Transfer Admission Requirements: Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are

subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FADSNPRBA~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Apply individual creative and artistic processes relevant to their area of focus within theatre (production techniques, design processes, historical research for production, etc.)
- •Use collaborative practices to solve complex problems; preparing, planning and communicating across areas of the theatre to successfully complete long-range creative projects.
- •Explain how theatre shapes the cultural and political landscapes of societies.
- •Develop a comprehensive toolkit for self-promotion and to showcase their production experiences.

**Global Opportunities:**
Global Experience: Study abroad can prepare a future professional in the arts not only with cultural experiences but also with professional skills like collaboration and problem-solving. Global Education programs (https://goglobal.asu.edu/) provide an opportunity for students to explore their creative side with an intercultural lens, encouraging them to build communication skills and challenging them, as artists, to think differently.

With over 300 options available, Global Education programs give students a breadth of knowledge in arts and culture uniquely different from their own. Whether in a foreign country, in the U.S. or online, students learn to adapt and persevere through a program that provides them with a chance to look inside themselves in a way they haven't done before, growing their self-confidence along the way.

**Career Opportunities:** The bachelor's degree program in theatre with a concentration in design and production provides an excellent foundation and specialized training for those who want to work as designers or technicians in the performing art and entertainment industries. Additionally, the program's liberal arts emphasis prepares graduates for further training in graduate schools.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/theatre-design-and-production-ba
GHALL 212
mdtadmissions@asu.edu
480-965-4206

## Theory and Composition (Composition), BMUS (FAMUSTCBM)

**Campus:** Tempe

**Program Description:** Students pursuing the BMus in theory and composition must choose a concentration in either theory or composition.

In the concentration in composition, students focus on developing varied techniques for writing music for assorted genres and media including chamber, orchestra, electronic music, and film and video scoring.

The School of Music, Dance and Theatre offers students the opportunity to study with composers who have established national and international reputations.

**Additional Program Fee:** Y
**Second Language Requirement:** N

**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on a composition interview (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-auditions). Interviews take place in November (spring admission) and in February (fall admission) of each year.

Admission to the music program is highly selective and based on an interview process. Students are admitted as music audition students and must successfully complete the composition interview before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the interview milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 1.

Fall admission: The deadline to apply for admission to this program is December 1.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 1.

Fall admission: The deadline to apply for admission to this program is December 1.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSTCBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Analyze key creative and artistic processes from at least two musical styles and historical periods.

•Critique specific musical products within the context of a specific historic or cultural tradition.
•Apply theoretical understanding of musical techniques to composing music in varied styles.

**Global Opportunities:**
Global Experience: Music transcends language and cultural boundaries, and students deepen their understanding of composition through unique study abroad (https://goglobal.asu.edu/) experiences. Students gain an enhanced understanding of how music affects culture and how they can communicate globally through their compositions.

With more than 300 programs around the world, students can build the experience most suited to their personal goals and skill sets. More information on available programs can be found on the Global Education website.

**Career Opportunities:** Graduates are prepared to work in various professional or entrepreneurial capacities, including:

- arranging
- composing
- performing in community and professional ensembles in a variety of styles and traditions
- serving as an artist-in-residence in school programs
- teaching in a private studio and community program
- teaching theory and composition
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/theory-and-composition-composition-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

## Theory and Composition (Theory), BMUS (FAMUSTTBM)

**Campus:** Tempe

**Program Description:** Students pursuing the BMus in theory and composition must choose a concentration in either theory or composition.

Theory students take courses that explore various facets of the discipline. These include tonal harmony, music perception, formal analysis, counterpoint, topics in 20th and 21st century music, popular music and jazz analysis.

Students work with theory faculty whose research encompasses music cognition, tonal music, timbre, embodiment, popular music and computational analysis.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music, Dance and Theatre application (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-steps-to-apply). Admission to the School of Music, Dance and Theatre is based on an audition. Auditions (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-

auditions) take place in November (spring admission) and in January and February (fall admission) of each year.

Admission to the music program is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, Dance and Theatre, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music, Dance and Theatre or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.
Transfer Admission Requirements: Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Application Deadlines: Students should review the complete music deadline (https://musicdancetheatre.asu.edu/admissions/music/undergraduate-deadlines-fees) information.

Spring admission: The deadline to apply for admission to this program is October 15.

Fall admission: The deadline to apply for admission to this program is January 5.

**Change of Major Requirements:** An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A").
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FAMUSTTBM~null + &college=CHI) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Analyze key creative and artistic processes from at least two musical styles and historical periods.
- Critique specific musical products within the context of a specific historic or cultural tradition.
- Conduct scholarly research on topics in music theory resulting in scholarly papers and/or presentations.

**Global Opportunities:**
Global Experience: Music transcends language and cultural boundaries; students deepen their understanding of music theory through unique study abroad experiences (https://goglobal.asu.edu/). They gain an enhanced understanding of how music affects culture and how they can communicate globally through music.

With more than 300 programs around the world, students can build the experience most suited to their personal goals and skill sets.

**Career Opportunities:** Graduates are prepared to work in various professional capacities, including:

- arts administration
- arranging
- composing

- performing in community and professional ensembles in a variety of styles and traditions
- working in music-related fields such as media production, music business, publishing and marketing
- teaching theory and composition
- teaching in a private studio or community program

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

**Contact Information:**
Design and the Arts, Herberger Institute for
School of Music, Dance and Theatre
https://musicdancetheatre.asu.edu/degree-programs/theory-and-composition-theory-bmus
MUSIC E167
MDTAdmissions@asu.edu
480-965-5069

# Engineering, Ira A. Fulton Schools of

## Aeronautical Management Technology (Air Traffic Management), BS (ESAMTATBS)

**Campus:** Polytechnic

**Program Description:** The BS program in aeronautical management technology with a concentration in air traffic management provides a technical foundation in the air traffic control procedures used by air traffic controllers in control towers and radar facilities.

Students gain a strong background in aircraft operations, management skills and business principles through coursework specific to air traffic control and aviation. As part of the degree program, students are required to take courses that will qualify them to earn their airline dispatcher certificate.

This is an intensive program of classroom study and laboratory practice using state-of-the-art air traffic control simulators to enhance and reinforce classroom study. Students receive training in the methodologies and technologies that are currently being developed for the next generation of air traffic control systems. Students develop the skills of analytical thinking, clear and concise communication, problem-solving and teamwork.

ASU is a partner in the FAA Air Traffic Collegiate Training Initiative and is accredited by the Aviation Accreditation Board International.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)

Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: To be considered for employment by the Federal Aviation Administration, graduates of the program need to be aware of minimum requirements for employment. Students should see https://www.faa.gov/jobs/career_fields/aviation_careers (https://www.faa.gov/jobs/career_fields/aviation_careers/) for more information. Graduates of the program are not guaranteed employment by the Federal Aviation Administration. Students who do not have U.S. citizenship may be admitted to the program but are not eligible for employment by the Federal Aviation Administration.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAMTATBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** The Federal Aviation Administration's 2020 Controller Workforce Plan projects that the agency plans to hire more than 8,500 new controllers by 2029 to keep pace with the expected attrition rate and traffic growth. The total number of planned hires for the period 2019 to 2029 is 9,596 new controllers. The increase in the volume of air traffic requires more controllers to handle the additional work. New computerized systems assist controllers by automatically making many of the routine decisions, allowing controllers to handle more traffic and thus increasing their productivity.

Despite the obvious demand for new controllers in the immediate future, competition to get into the FAA-approved training programs is expected to remain intense as there generally are many more applicants than there are openings. Graduates who have met all the FAA requirements are eligible for consideration for employment.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)

**Campus:** Polytechnic

**Program Description:** The air transportation management concentration of the BS program in aeronautical management technology provides students with a strong foundation of aviation concepts, including airline administration, airport planning, aviation law, policy and human factors as well as technical knowledge focusing on power plants, structures and aerodynamics. Students progress into courses on the business and management and operational aspects of aviation such as airline administration and airport planning. All students finish the program by participating in an internship within industry and completing a capstone project.

This program prepares students for leadership positions within airlines, airports, government, consulting and entrepreneurial enterprises.

The Aviation Accreditation Board International accredits this program.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTMBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: The aviation industry is a global one, and understanding intercultural communication is vital to succeeding in it. Through the rich educational and interpersonal experiences inherent in study abroad, students learn to thrive in a global environment.

With over 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

A resume enhanced by the valuable study abroad experience will impress prospective employers, and it also will help the student stand out should they decide to pursue advanced study.

**Career Opportunities:** Graduates with a degree in air transportation management are prepared for these careers:

- airline management
- airline operations management
- airport management
- aviation consulting
- entrepreneurial ventures
- fixed based operations
- general aviation operations management
- governmental positions with the Federal Aviation Administration, Department of Transportation and National Transportation Safety Board

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/air-transportation-management/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)

**Campus:** Polytechnic

**Program Description:** Students in the professional flight concentration of the BS program in aeronautical management technology learn to fly in an academic environment that prepares graduates for careers as professional pilots.

Flight training is offered by an ASU-approved flight provider in late-model aircraft equipped with state-of-the-art avionics.

Students may take advantage of pathway agreements for guaranteed interviews with regional air carriers.

This program is for students who are seriously interested in becoming professional airline pilots. Graduates are prepared to assume responsibilities in a wide variety of technically related areas within professional aviation flight operations.

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.

Additional course-related fees apply; students should see the program website for more information.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply

(https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: This major has additional admission requirements (https://poly.engineering.asu.edu/aviation/professional-flight-bs/secondary-application-process) including Federal Aviation Administration requirements. Students are admitted to the preprofessional status and must complete additional requirements for admission to the professional program.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTFBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Aviation is a global industry, and understanding intercultural communication is vital to succeeding in it. Study abroad programs (https://goglobal.asu.edu/), offered around the globe, give insight toward the study of professional flight. Students can further their skills in communication and administration and gain commercial experience while in an international setting.

**Career Opportunities:** The professional flight concentration offers students private pilot, commercial pilot and flight instructor certificates as well as instrument pilot, instrument instructor and multiengine pilot ratings. With these flight qualifications and the technically based bachelor's degree, the graduate has a wide variety of career opportunities, including flight crew service on commercial and business aircraft as an airline or corporate pilot.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/professional-flight-bs/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS)

**Campus:** Polytechnic

**Program Description:** The unmanned aerial systems concentration of the BS program in aeronautical management technology prepares students for careers in the rapidly growing area of unmanned aerial systems, including operations, remote sensing, data collection and analysis.

The concentration incorporates all aviation management technology core courses and unmanned aerial systems concentration courses. This provides an overview of unmanned aerial systems operations followed by detailed knowledge of unmanned aerial systems-specific systems and technology (ground control stations; data links; flight planning and operations; search, detect and avoid technologies; and payloads) and unmanned aerial systems sensor operations. A critical aspect of this academic area of study is the data capture and transfer of the sensor information collected from the unmanned aerial vehicle.

This innovative concentration brings together the most up-to-date and relevant aspects facing multiple industries today by addressing flight system planning and operations and the employment of the systems in the congested National Airspace System.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTUASBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Use of unmanned aerial systems is happening all across the globe. Students participating in a study abroad experience learn a great deal about global practices, laws, and emerging technologies within the aviation field.

Study abroad programs (https://goglobal.asu.edu/), offered by ASU in more than 65 countries, further students' global thinking and increases their communication and problem-solving skills, to prepare them for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Students graduating from this program are ready to find various employment opportunities as unmanned aerial vehicle pilots and sensor operators in the U.S. and throughout the world. This concentration prepares students to operate small to mid-range platforms that are used by emergency responders, forestry, agriculture, energy and oil, and other similar industries. Entry-level pay is competitive for this highly specialized field.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/unmanned-aerial-systems-bs/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)

**Campus:** Tempe

**Program Description:** The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems. The aeronautics concentration under the BSE program in aerospace engineering emphasizes engineering and the design of aircraft, helicopters, missiles and other vehicles that fly through the atmosphere.

Topics in required courses cover aerodynamics, aerospace materials, aircraft structures, flight mechanics, propulsion, and stability and control. Required astronautics topics include altitude control and orbital mechanics.

Students in the aerospace engineering program are expected to attain the following outcomes:
- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aerospace Engineering, MS
Mechanical Engineering, MS
Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)

Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 242

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEROBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students. Study abroad programs offer students a global perspective and knowledge, skills that prepare them to lead in their chosen career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The Ira A. Fulton Schools of Engineering recommends these programs (https://goglobal.asu.edu/students/major/SEMTE/aerospace-engineering) for students majoring in aerospace engineering.

**Career Opportunities:** The majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:

- aeronautical and space systems integration
- configuration development
- material and structural design
- propulsion engineering
- space mission design and analysis
- vehicle and component analysis using computer-aided tools
- vehicle design and performance

• wind tunnel and flight testing

The aerospace engineering program has the following educational objectives:

Through activities such as volunteering, entrepreneurial endeavors, community service, and their employment, graduates of the aerospace engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after earning their degree:

• employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within the organization
• admission into a graduate degree program in aerospace engineering or other technical field
• admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/aerospace-engineering-bse/
ECG 202
semte@asu.edu
480-965-2335

## Aerospace Engineering (Astronautics), BSE (ESAEASBSE)

**Campus:** Tempe

**Program Description:** The BSE program in aerospace engineering provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems.

The astronautics concentration curriculum covers:

• attitude determination and control
• elective topics in aeronautics
• gas dynamics
• orbital mechanics
• rocket propulsion
• space environment
• space structures
• telecommunications

Students in the astronautics concentration culminate their major study with a capstone design project that incorporates the multiple disciplines involved in the creation of a space-going vehicle.

Students in the aerospace engineering program are expected to attain the following outcomes:
• an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
• an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
• an ability to communicate effectively with a range of audiences
• an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
• an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
• an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
• an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aerospace Engineering, MS
Mechanical Engineering, MS
Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 242

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.

Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEASBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Apply principles of mathematics and science to solve complex engineering problems (ABET Outcome)
- •Apply engineering design to a student project with consideration of public welfare/other factors (ABET Outcome)
- •Develop and conduct engineering experiments, and analyze and interpret data (ABET Outcome).

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in duration, from one week to one year), participation in Global Education programs (https://goglobal.asu.edu/) is possible for all ASU students. Study abroad helps students gain a global perspective and knowledge, preparing them for leading in a forward-thinking career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The Ira A. Fulton Schools of Engineering recommends these programs (https://goglobal.asu.edu/students/major/SEMTE/aerospace-engineering) for students majoring in aerospace engineering.

**Career Opportunities:** The majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:

- aeronautical and space systems integration
- configuration development
- material and structural design
- propulsion engineering
- space mission design and analysis
- vehicle and component analysis using computer-aided tools
- vehicle design and performance
- wind tunnel and flight testing

The aerospace engineering program has the following educational objectives:

Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the aerospace engineering program demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within their organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/aerospace-engineering-bse/
ECG 202
semte@asu.edu

480-965-2335

# Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)

**Campus:** Tempe

**Program Description:** Emerging emphasis on autonomous aircraft technology and operations in military and civilian sectors signals a new era within the aeronautical community focused on autonomous vehicles and systems.

The BSE program in aerospace engineering with a concentration in autonomous vehicle systems provides graduates with knowledge and skills required for any career in aerospace engineering plus those specific to unmanned aerial vehicles and systems.

The curriculum is structured so students have general exposure to the engineering of autonomous aircrafts.

Students in the aerospace engineering program are expected to attain the following outcomes:
- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

All paths through this concentration satisfy accreditation criteria for aerospace engineering.

Accredited by the Engineering Accreditation Commission of ABET; http://www.abet.org (http://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aerospace Engineering, MS
Mechanical Engineering, MS
Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

Freshman Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 242

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESAEAVSBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With more than 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students. Study abroad programs offer students a global perspective and knowledge, preparing them to lead in their chosen career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The Ira A. Fulton Schools of Engineering recommends these programs (https://goglobal.asu.edu/students/major/SEMTE/aerospace-engineering) for students majoring in aerospace engineering.

**Career Opportunities:** Graduates with a degree in this concentration are prepared for a career in the aerospace industry, focusing on unmanned vehicles.

The aerospace engineering program has the following program educational objectives:

Through activities such as volunteering, entrepreneurial endeavors, community service, and employment, graduates of the aerospace engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within the organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/aerospace-engineering-bse/
ECG 202
semte@asu.edu
480-965-2335

## Applied Science (Aviation), BAS (TSAMTABAS)

**Campus:** Polytechnic

**Program Description:** The concentration in aviation within the BAS in applied science is for students who have received training and education in some aspect of the air transportation industry, such as air transportation management, flight, or aviation maintenance, as part of their associate degree. Students receive an orientation in management practices.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course with the MA general studies designation will satisfy the math requirement.
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available to freshmen.
Transfer Admission Requirements: This BAS program in applied science allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their BAS upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the BAS degree. Students should work with their academic advisor to ensure their courses meet degree requirements.

**Change of Major Requirements:** Students interested in changing to this Bachelor of Applied Science program must have completed a related Associate of Applied Science degree at a regionally accredited college.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use

MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSAMTABAS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Aviation is a global industry, and understanding intercultural communication is vital to succeeding in it. Study abroad programs (https://goglobal.asu.edu/), offered around the globe, give students insight toward the study of aviation. Students can further their skills in communication and administration and gain commercial experience while in an international setting. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared for advanced positions in the aviation management field including:

- airline manager
- airline operations manager
- airport manager
- aviation consulting
- entrepreneurial ventures
- fixed based operations
- general aviation operations manager
- governmental positions with the Federal Aviation Administration, Department of Transportation and National Transportation Safety Board

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Applied Science (Graphic Information Technology), BAS (TSGITBAS)

**Campus:** Polytechnic, Online

**Program Description:** The cross-media nature of the graphics industry requires tomorrow's graduates to understand the full spectrum of visual design and production as well as current business practices.

The BAS program with a concentration in graphic information technology prepares students to become visual design technologists with skills in front-end web design and development, printing and digital publishing, commercial photography and video production, and motion graphics and visual effects. This is an intensive program of study emphasizing theory and hands-on laboratory practice.

The graphic information technology program allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap

in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Graphic Information Technology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree in a similar field such as animation, desktop publishing, digital arts, digital photography, eLearning design, game technology, graphic design, video production technology or web design..

**Change of Major Requirements:** Students interested in changing to this Bachelor of Applied Science degree must have completed a related Associate of Applied Science degree at a regionally accredited university in a similar program, such as graphic design, animation, visual communication, web design and development, commercial photography and video.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/graphic-information-technology-bas/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSGITBAS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Synthesize technical information into written and visual documentation for cross-media projects.
- •Sketch solutions to cross-media problems utilizing industry-standard workflows.
- •Implement appropriate industry-standard tools and techniques for managing complex cross-media projects.

**Global Opportunities:**
Global Experience: Students learn intercultural applications of design and technology skills through hands-on learning and cultural engagement opportunities in an international setting. Through the rich educational and interpersonal experiences inherent in study abroad, students learn to thrive in a global environment.

With over 300 Global Education program opportunities (https://goglobal.asu.edu/" style="color:#0563c1; text-decoration:underline) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

**Career Opportunities:** The graphic information technology program prepares graduates for technical and management positions in visual design in such diverse areas as:

- art direction
- commercial photography and video production
- front-end web design and development
- graphic design
- motion graphics, animation and game art
- premedia, digital printing and publishing
- production management
- quality assurance of graphic and visual design products
- technical and digital media production
- user experience design
- user interface design
- video editing
- visual design

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Graphic Information Technology
https://poly.engineering.asu.edu/git/bas-in-graphic-information-technology/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Applied Science (Internet and Web Development), BAS (TSIWDBAS)

**Campus:** Polytechnic, Online

**Program Description:** The BAS program with a concentration in internet and web development is an intensive program of study emphasizing hands-on laboratory practice. Students develop skills in front-end web design and development, including advanced web markup and scripting, user experience design, usability, multimedia design and emerging web technologies.

Students who have an applicable AAS from an accredited institution may transfer 60 credit hours toward a bachelor's degree at ASU, and students who have earned an AAS degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward this program. Upon transfer to ASU in pursuit of this Bachelor of Applied Science, students may have more than 60 credit hours to complete. Students should work with their academic advisor to ensure their courses will meet degree requirements.

All courses for this program are available on campus and through ASU Online.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Graphic Information Technology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree in digital animation, graphic design, media arts, and web design or development.

**Change of Major Requirements:** Students interested in changing to this Bachelor of Applied Science degree must have completed a related Associate of Applied Science degree at a regionally accredited university.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-applied-science-internet-and-web-development/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSIWDBAS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply industry-level knowledge of web design and development key concepts and best practices to provide web-based solutions
- •Propose solutions to complex web design and development projects utilizing industry-standard tools and techniques
- •Construct effective user interactions and system functionalities in web-based systems

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their choice of career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared for careers in front-end website design and development, usability and user experience design, user interface design and visual design.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Graphic Information Technology
https://poly.engineering.asu.edu/bas-internet-and-web-development/

SUTON 240
polyadvising@asu.edu
480-727-1874

## Applied Science (Operations Management), BAS (TSIMCOBAS)

**Campus:** Polytechnic, Online

**Program Description:** Graduates of the BAS program with a concentration in operations management are able to provide strategic focus and meet organizational objectives by implementing best practices, managing people and creating value.

Students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a bachelor's degree at ASU, and students who have earned an AAS degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward this program. Upon transfer to ASU in pursuit of this Bachelor of Applied Science, students may have more than 60 credit hours to complete. Students should work with their academic advisor to ensure their courses will meet degree requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course with the MA general studies designation will satisfy the math requirement.
**Program Math Intensity:** General

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for first-year students.

**Change of Major Requirements:** Students interested in changing to this Bachelor of Applied Science degree must have completed a related Associate of Applied Science degree at a regionally accredited institution.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-applied-science-operations-management-technology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSIMCOBAS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Implement industrial management of technology, management of processes, and management of human capital.
- •Demonstrate proficiency in collaborating with diverse team members through a professional team presentation that conveys innovation improvements for businesses or organizations.
- •Apply systems thinking, data-driven decision making, and research to optimize decision(s) to solve complex problems for a variety of industries/organizations.
- •Demonstrate proficiency in critical thinking by developing a strategic management plan that includes analysis of issues, assumptions, evidence, and implications.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their chosen career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The bachelor's degree program in operations management technology prepares undergraduate students for supervisory and management functions in industry, manufacturing, public service and other service organizations.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Tech Entrepreneurship & Mgmt
https://poly.engineering.asu.edu/tem/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Biomedical Engineering, BSE (ESBMEBSE)

**Campus:** Tempe, Online

**Program Description:** The BSE program in biomedical engineering provides in-depth knowledge to translate an idea for a health solution into a viable prototype of a biomedical device.

With knowledge gained from courses that cover engineering, life sciences, and that tie the two together, graduates are able to apply their skills in an ethical and a sustainable manner to make contributions that address societal and individual needs.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/biomedical-engineering/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMEBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students studying biomedical engineering gain valuable hands-on experience when studying abroad, experience that enhances

their resumes. With over 300 programs available in a variety of countries around the world, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. In a competitive field, they stand out with the heightened cultural competency and leadership and critical thinking skills they achieved from studying abroad.

**Career Opportunities:** Biomedical engineers are primarily employed in:

- governmental regulatory agencies
- hospital and research facilities
- medical and educational institutions
- medical device, biotechnology and pharmaceutical industries

In industry, they may work in all aspects of product development including:

- business development
- manufacturing
- marketing
- quality
- regulatory
- research and design
- sales

Because of their background in both the engineering and medical fields, they often serve a coordinating or interfacing function and provide a key role for transdisciplinary teams. Government positions may involve evaluating new technologies, testing product quality and safety and setting standards.

In the hospital, biomedical engineers serving in a clinical engineering function may provide advice on the selection and use of medical equipment and supervise performance testing and maintenance. Biomedical engineers may also build customized devices for special health care, rehabilitation or research needs.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Harrington Bioengineering Program
https://sbhse.engineering.asu.edu/
ECG 334
sbhse.advising@asu.edu
480-965-3028

## Biomedical Engineering (Biological Devices), BSE (ESBMEBDBSE)

**Campus:** Tempe

**Program Description:** The BSE program in biomedical engineering with a concentration in biological devices provides in-depth knowledge of cell biology and helps students learn to apply that knowledge to solve engineering problems pertinent to medicine and other fields, including synthetic biology.

The biomedical industry has many branches that require depth of understanding of cell biology and its techniques, including immunohistochemical diagnostics, blood-contacting materials, controlled-release therapeutics and local delivery of therapeutics.

With courses that cover engineering, life sciences and that tie the two together, graduates are able to apply their skills in an ethical and a sustainable manner to make contributions that address societal and individual needs.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biomedical Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum high school GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and no high school math or science competency deficiencies
Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for fewer than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMEBDBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 Global Education programs (https://goglobal.asu.edu/) in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a forward-thinking career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates of this program are well qualified for entry-level positions, including quality assurance, regulatory affairs and project management. Graduates are also highly qualified to seek advanced degrees if they wish to pursue research and design positions.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Biological & Health Systems Engineering
https://sbhse.engineering.asu.edu
ECG 334
sbhse.advising@asu.edu
480-965-3028

## Biomedical Engineering (Biomedical Devices), BSE (ESBMEMDBSE)

**Campus:** Tempe

**Program Description:** The BSE program in biomedical engineering with a concentration in biomedical devices provides in-depth knowledge to translate an idea for a health solution into a viable prototype of a biomedical device.

With knowledge gained from courses that cover engineering, life sciences, and that tie the two together, graduates are able to apply their skills in an ethical and a sustainable manner to make contributions that address societal and individual needs.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biomedical Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and no high school

math or science competency deficiencies
Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for fewer than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMEMDBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participating in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a forward-thinking career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are well-qualified for entry level positions in the biomedical industry, including areas such as quality assurance, regulatory affairs and project management. Graduates also are highly qualified to seek advanced degrees if they wish to pursue research and design positions.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Biological & Health Systems Engineering
https://sbhse.engineering.asu.edu/
ECG 334
sbhse.advising@asu.edu
480-965-3028

## Chemical Engineering, BSE (ESCHEBSE)

**Campus:** Tempe

**Program Description:** Chemical engineering deals with the application of chemistry, physics and mathematics to the process of converting raw materials or chemicals into more useful or valuable forms. Chemical engineering also involves the design of valuable new materials and chemical products. The modern discipline of chemical engineering is intertwined with biology and biomedical engineering.

The BSE program offered in chemical engineering builds on a broad base of knowledge within the basic and mathematical sciences and engineering.

Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org/ (https://www.abet.org/).

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Chemical Engineering, MS
Materials Science and Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency coursesor class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer credit hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (students should refer to the major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A.

Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCHEBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) provide students an important opportunity to develop valuable skills and have valuable experiences which help to grow their self-confidence, develop their communication skills, and give them an advantage that they may not have had before.

Students learn intercultural applications of design and technology skills through hands-on learning and cultural engagement opportunities in an international setting. Participation in a Global Education program exposes students to unique environments and cultures, challenges them to adapt and persevere, helps them increase their professional and educational networks, and enhances their portfolio of experience through the kinds of hands-on research and community-based opportunities they will need in order to compete and succeed in today's challenging and quickly changing STEM fields.

The Ira A. Fulton Schools of Engineering recommend these programs (https://goglobal.asu.edu/students/major/SEMTE/chemical-engineering) for students majoring in chemical engineering.

**Career Opportunities:** Graduates are prepared for excellent career opportunities. Chemical engineers are engaged in the development and production of a diverse range of products, including high-performance materials needed for aerospace, automotive, biomedical, electronic and environmental applications. They have traditionally played a key role in industries as varied as:

- artificial fibers
- biotechnology
- ceramics
- food
- glass
- petrochemicals
- petroleum
- plastics
- primary metals
- semiconductors
- specialty chemicals

There are also many newer fields with great demand for chemical engineering graduates, such as biomedical engineering, modern materials science (composites, superconductors) and the solution of environmental problems.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
https://semte.engineering.asu.edu/chemical-engineering-bse/
ECG 202
semte@asu.edu
480-965-2335

## Civil Engineering, BSE (ESCEEBSE)

**Campus:** Tempe

**Program Description:** Civil engineering majors in the Ira A. Fulton Schools of Engineering have two choices within the accredited BSE program: civil engineering and civil engineering with the sustainable engineering concentration. Regardless of choice, the Bachelor of Science in Engineering

in civil engineering is accredited by ABET.*

Civil engineering involves the analysis, planning, design, construction, maintenance and application of sustainable practices in all areas of urban infrastructure for government, commerce, industry and the public domain. These include airports, bridges, canals, dams, factories, office towers, roadway systems, schools, tunnels and subway systems and water purification facilities. Civil engineers are concerned with the impact their projects have on the public and the environment; they coordinate the needs of society with technical and economic feasibility.

The curriculum exposes students to the following areas of civil engineering, with a strong emphasis on sustainability:

- construction engineering
- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structures
- transportation

*Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Civil, Environmental and Sustainable Engineering, MS
Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum SAT score of 1210 for Evidence-based Reading and Writing and Math or minimum ACT composite score of 24 or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:

• minimum transfer GPA of 3.00 for less than 24 transfer hours, and
• no high school math or science competency deficiencies, and
• minimum SAT score of 1210 for Evidence-based Reading and Writing and math (or 1140 if taken prior to March 5, 2016) or minimum ACT composite score of 24 or minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
• minimum transfer GPA of 3.00 for 24 or more transfer hours, and
• no high school math or science competency deficiencies if Admission Services requires submission of a high school transcript

Secondary Criteria
• minimum transfer GPA of 2.75 for 24 or more transfer hours, and
• minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCEEBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad allows students in civil engineering to learn intercultural applications of design and technology skills through hands-on learning and cultural engagement opportunities in an international setting.

Whether in a foreign country, in the U.S. or online, students build communication skills and learn to adapt and persevere, and they are exposed to research and internships across the world, which increases their professional network. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The expanded education students acquire while participating in a Global Education program (https://goglobal.asu.edu/) demonstrates to employers their ability to thrive in a global environment, helping them stand out when pursuing their choice of careers in a competitive industry.

**Career Opportunities:** ASU graduates with a bachelor's degree in civil engineering readily find employment. Civil engineers work in many different types of companies: large corporations; small, private consulting firms; and governmental agencies. A civil engineering background is an excellent foundation for jobs in management and public service.

Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business.

The bachelor's degree program prepares graduates for the fundamentals of engineering examination, the professional engineering examination and for graduate degree programs.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
https://ssebe.engineering.asu.edu/undergraduate/civil/
CAVC 437
sebe.advising@asu.edu
480-965-0595

# Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)

**Campus:** Tempe

**Program Description:** Civil engineering majors have two options within the accredited BSE program: civil engineering and civil engineering with sustainable engineering concentration. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by ABET.*

The bachelor's degree in civil engineering with a concentration in sustainable engineering incorporates systems modeling and life cycle approaches to assessing the resiliency and material selection across all areas of urban infrastructure or built environment currently addressed within the civil engineering degree. The program is designed to provide students with exposure to material from several disciplines that comply with the principles of economic, social and ecological sustainability and apply them to traditional civil engineering areas.

*Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Civil, Environmental and Sustainable Engineering, MS
Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCEESUBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs available, study abroad (https://goglobal.asu.edu/) allows students to tailor their experience to their unique interests and skill sets. Students in sustainable engineering are able to gain hands-on experience in a variety of countries.

Graduates stand out in a competitive field when their resume is enhanced with the heightened cultural competency and leadership and critical thinking skills they acquired while studying abroad. More information on available programs can be found on the Global Education website.

**Career Opportunities:** Civil engineers with knowledge of sustainable engineering may find employment in many different types of companies: large corporations; small, private consulting firms; and governmental agencies.

Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business.

Graduates of the program are prepared for the fundamentals of engineering examination, the principles and practice of engineering examination, and for graduate degree programs.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
https://ssebe.engineering.asu.edu/undergraduate/civil/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Computer Science, BS (ESCSEBS)

**Campus:** Tempe, Online

**Program Description:** The BS program in computer science aims at producing graduates who are well prepared for pursuing careers in a wide variety of computing-related fields or to embark on further graduate studies.

The program is anchored with core courses that provide a solid foundation in theoretical and practical aspects of computer science and ensure students have the requisite critical thinking, effective programming and problem solving skills in a variety of modern programming languages with an emphasis on understanding security and systems issues.

The program caters to a variety of interests in subfields of computer science and related disciplines through a flexible set of electives that allow

students to develop, as part of their programs of study, in-depth knowledge and skills in artificial intelligence, machine learning, robotics, database systems, informatics, or other engineering and science disciplines. Students can also pursue concentrations in software engineering or cybersecurity as part of their degree program.

Computer science professionals design, analyze and improve the quality of computer software and systems for a variety of applications, including:

- artificial intelligence
- computer vision
- cybersecurity
- graphics
- information management
- multimedia
- networking

Accredited by the Computing Accreditation Commission of ABET, https://www.abet.org/ (https://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science (Art, Media and Engineering), MS
Computer Science (Big Data Systems), MCS
Computer Science (Big Data Systems), MS
Computer Science (Biomedical Informatics), MS
Computer Science (Cybersecurity), MCS
Computer Science (Cybersecurity), MS
Computer Science, MCS
Computer Science, MS
Robotics and Autonomous Systems (Artificial Intelligence), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in CSE 110 Principles of Programming, CSE 205 Object-oriented Programming and Data Structures, MAT 265 Calculus for Engineers I, and 266 Calculus for Engineers II

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-computer-science/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad. A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

With over 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

**Career Opportunities:** Computer science graduates secure employment in a variety of capacities, such as in computer and software design or development of information technologies. Their jobs are often distinguished by the high level of theoretical expertise applied to solving complex problems and to the creation and application of new computing technologies. Some computer science-related jobs may include:

- creating computer games and graphics systems
- designing artificial intelligence systems
- developing mobile computing applications
- developing network security applications
- discovering data management and mining solutions for large-scale data analytics
- inventing and implementing more efficient computing systems for managing data and information, including information retrieval and search on the Internet

With the theoretical foundation built into the program, computer science graduates can excel in system and software development as well as in designing effective computing solutions for emerging and challenging problems in modern society. Skills in system development and research can lead to entrepreneurial activity that produces innovative computing products and services.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/computer-science-bs/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Computer Science (Cybersecurity), BS (ESCSEIBS)

**Campus:** Tempe

**Program Description:** The BS program in computer science with a concentration in cybersecurity provides students with the knowledge and skills they need to build dependable and secure information systems and networks and to ensure the integrity and quality of information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012).

Domestic students enrolled in the cybersecurity concentration are eligible for federal fellowships, such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program.

Accredited by the Computing Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Computer Science (Art, Media and Engineering), MS
- Computer Science (Big Data Systems), MCS
- Computer Science (Big Data Systems), MS
- Computer Science (Biomedical Informatics), MS
- Computer Science (Cybersecurity), MCS
- Computer Science (Cybersecurity), MS
- Computer Science, MCS
- Computer Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in CSE 110 Principles of Programming, CSE 205 Object-oriented Programming and Data Structures, MAT 265 Calculus for Engineers I, and 266 Calculus for Engineers II

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEIBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad. A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

With more than 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

**Career Opportunities:** Computer scientists are highly sought after in multiple areas of industry ranging from education, logistics, tech, government and security.

Graduates of the Bachelor of Science in cybersecurity find employment in a variety of capacities, including computer system and software development and research on information assurance technologies. Some related jobs may include:

- analyzing computer forensic data
- designing secure information systems and databases
- developing secure software

- information security consulting
- secure computer and network applications

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/computer-science-bs/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Computer Science (Software Engineering), BS (ESCSESBS)

**Campus:** Tempe

**Program Description:** The software engineering concentration of the BS program in computer science is appropriate for computer science students seeking careers as software engineers. Students learn advanced processes, methodologies and tools for developing and testing large and small software applications in emerging areas such as:

- databases
- enterprise systems
- interoperable systems
- mobile computing
- service-orientated computing

They also learn cybersecurity concepts and techniques and principles of human-computer interaction and methods for developing these applications. The curriculum prepares students to assume leadership roles in software development organizations and to practice professional standards and emerging software technology to the software engineering life-cycle activities.

Accredited by the Computing Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science (Art, Media and Engineering), MS
Computer Science (Big Data Systems), MCS
Computer Science (Big Data Systems), MS
Computer Science (Biomedical Informatics), MS
Computer Science (Cybersecurity), MCS
Computer Science (Cybersecurity), MS
Computer Science, MCS
Computer Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in CSE 110 Principles of Programming, CSE 205 Object-oriented Programming and Data Structures, MAT 265 Calculus for Engineers I, and 266 Calculus for Engineers II

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSESBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad. A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

With over 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

**Career Opportunities:** Career opportunities are plentiful for software engineers.

Graduates of the software engineering concentration possess the knowledge and skills to work across the spectrum of software development process activities, including:

- architecture
- coding
- project management

- quality assurance
- requirements engineering
- testing

Careers include:

- software analyst
- software architect
- software engineer
- software task leader
- software tester

Graduates find employment in large and small organizations that develop, deploy and manage software systems. They work on all types of projects that include large, complex engineering systems, distributed banking, financial and government software and gaming.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/computer-science-bs/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Computer Systems Engineering, BSE (ESCSEBSE)

**Campus:** Tempe

**Program Description:** The BSE program in computer systems engineering focuses on the analysis, design, testing, integration and evaluation of hardware and software systems. The curriculum is grounded in many engineering disciplines, including the applications of science and technology to the design of:

- computer architecture
- cybersecurity
- digital circuits
- distributed and embedded systems
- networking
- operating systems

Students engage in the design of integrated hardware and software solutions for computing, communication and control applications. They practice many aspects of engineering activities, such as the development of:

- computer networks
- embedded and ubiquitous systems
- high-performance computer systems
- individual digital components

Students become skilled at interfacing different pieces of hardware and software components and integrating systems and products with new capabilities and improved quality and performance.

Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Engineering (Computer Systems), MS
Computer Science (Art, Media and Engineering), MS
Computer Science (Big Data Systems), MCS
Computer Science (Big Data Systems), MS
Computer Science (Biomedical Informatics), MS
Computer Science (Cybersecurity), MCS
Computer Science (Cybersecurity), MS
Computer Science, MCS
Computer Science, MS
Robotics and Autonomous Systems (Artificial Intelligence), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses: CSE 110 Principles of Programming, CSE 205 Object-oriented Programming and Data Structures, MAT 265 Calculus for Engineers I and MAT 266 Calculus for Engineers II

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad. A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

With over 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

**Career Opportunities:** Computer systems engineers are employed in industry, government, education and consulting firms where they engage in the design, development and operation of hardware and software systems of computer and networking equipment.

Computer systems engineers often find themselves focusing on engineering problems or challenges of emerging computer systems, including chips, device controllers, embedded systems and high-performance computing servers. Their jobs usually involve the research, design and development of computer hardware and software for practical applications. Their work can result in innovative, state-of-the-art products that integrate computing and communication capabilities, such as those in:

- avionics and space vehicles
- digital television and photography
- intelligent highways and control systems for vehicles
- mobile devices and smart applications
- new apparatuses for health care and for the sight-impaired or others with physical disabilities
- security and defense systems

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/computer-systems-engineering/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Computer Systems Engineering (Cybersecurity), BSE (ESCSEIBSE)

**Campus:** Tempe

**Program Description:** The BSE program in computer systems engineering with a concentration in cybersecurity provides students with the knowledge and skills they need to build dependable and secure information systems and networks and to ensure the integrity and quality of the information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012).

Domestic students enrolled in the cybersecurity concentration are eligible for federal fellowships such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program.

Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science (Art, Media and Engineering), MS
Computer Science (Big Data Systems), MCS
Computer Science (Big Data Systems), MS
Computer Science (Biomedical Informatics), MS
Computer Science (Cybersecurity), MCS
Computer Science (Cybersecurity), MS
Computer Science, MCS
Computer Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum SAT score of 1210 for evidence-based reading and writing plus math or minimum ACT composite score of 24 or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum SAT score of 1210 for evidence-based reading and writing plus math (or 1140 if taken prior to March 5, 2016) or minimum ACT composite score of 24 or a minimum high school GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies if Admission Services requires submission of a high school transcript

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses: CSE 110 Principles of Programming, CSE 205 Object-oriented Programming and Data Structures, MAT 265 Calculus for Engineers I and MAT 266 Calculus for Engineers II

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.

Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCSEIBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad. A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

With over 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

**Career Opportunities:** Computer scientists are highly sought-after in multiple areas of industry ranging from education, logistics, tech, government and security.

Graduates of the Bachelor of Science in Engineering program in cybersecurity find employment in a variety of capacities, including computer systems and software development and research on information assurance technologies. Some related jobs may include:

- analyzing computer forensic data
- designing secure information systems and networks
- information security consulting
- information systems security engineering
- network security engineering

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/computer-systems-engineering/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Construction Engineering, BSE (ESCONBSE)

**Campus:** Tempe

**Program Description:** The BSE program in construction engineering is designed for students who wish to gain a professional engineering license while working at the interface of design and construction, and it is attractive for students interested in a career that emphasizes the construction of infrastructure.

The degree program includes engineering design and construction management courses with a focus on sustainability and building information modeling topics. Construction management content includes construction methods, contract management, cost and schedule control, people management and project estimating.

The curriculum's design content includes structures, geotechnical engineering and transportation. Students are further prepared with the computer, management, technical and people skills they need to succeed.

This degree is the third in the southwestern U.S. and one of about 20 worldwide.

Accredited by the Engineering Accreditation Commission of ABET; https://www.abet.org/ (https://www.abet.org/).

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Civil, Environmental and Sustainable Engineering, MS
Construction Engineering, MSE

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum SAT score of 1210 for evidence-based reading and writing plus math or minimum ACT composite score of 24 or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum SAT score of 1210 for evidence-based reading and writing plus math (or 1140 if taken prior to March 5, 2016) or minimum ACT composite score of 24 or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria, not both:

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies if Admission Services requires submission of a high school transcript

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.

Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCONBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable experience through study abroad (https://goglobal.asu.edu/), experience which enhances their resumes. With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students in construction engineering are able to gain hands-on experience in a variety of countries. In a competitive field, students stand out with the heightened cultural competency and leadership and critical thinking skills they acquired from studying abroad.

**Career Opportunities:** The construction engineering graduate, with this strong background in design and management, is prepared to enter a career in the engineering and construction industry as a field engineer, project engineer or project designer working for:

- construction companies
- design firms
- facility owners
- material suppliers
- specialty subcontractors

Graduates have the unique skills needed to take on the role of integrator in the delivery of design-build projects or development activities. As the graduate's career progresses, they should be able to take on leadership roles in the delivery of sustainable facilities in the built environment and then progress through successively higher levels of management responsibility. The graduate should be particularly attuned to the design and construction of heavy civil and industrial facilities, meeting the infrastructure needs of society.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Construction Engineering
https://ssebe.engineering.asu.edu/undergraduate/construction-eng/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Construction Management and Technology, BS (ESCONMGTBS)

**Campus:** Tempe

**Program Description:** The BS program in construction management and technology allows students to specialize in construction and facility management. Students learn to organize, lead and manage the building construction business processes related to real estate, facility and infrastructure projects.

Construction management is the most vital function on a job site. Construction managers represent the interests of the building owner or the contractor and interact with architects, engineers, subcontractors, vendors and suppliers to ensure the success of construction projects in the built environment.

This program focuses on the business of construction and technology, such as building information modeling.

Students learn the basics of design; the construction methods specific to each type of construction (heavy, residential, commercial, specialty); and the process of sustainable or green construction. They learn how to estimate, schedule and control the costs of a project and what it takes to manage the people involved and the various types of contracts. Graduates possess the computer, management, technical and people skills they need to succeed.

This is one of two construction programs in the state of Arizona and one of approximately 80 accredited programs in the nation.

This program is accredited by the American Council for Construction Education: https://www.acce-hq.org/ (https://www.acce-hq.org/).

Accredited by the Applied and Natural Science Commission of ABET; https://www.abet.org (https://www.abet.org).

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Construction Management and Technology, MS
Public Administration, MPA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria, not both:

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies, if Admission Services requires submission of a high school transcript

Secondary Criteria
- minimum transfer GPA of 2.50 for 24 or more transfer hours, and

• minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCONMGTBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students enhance their resumes with the valuable experience they gain through study abroad (https://goglobal.asu.edu/). With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students in construction management and technology are able to gain hands-on experience, heightened cultural competency, and leadership and critical thinking skills while studying abroad. They earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** The construction management and technology program provides a foundation for those who wish to pursue careers as project managers, project engineers, estimators or schedulers and eventually to become principals of firms engaged in the construction of industrial, commercial or residential projects.

Graduates of the heavy construction emphasis area are prepared for careers related to public works such as highways, airports, bridges, utility systems and water or waste treatment facilities.

Graduates of the commercial and residential emphasis areas are prepared for careers in real estate development, home production systems, commercial construction, health care and special industrial building projects. They are also prepared to enter the sustainable or green construction market.

Graduates of the specialty construction emphasis are prepared to organize, lead and manage the building process at the subcontractor level and for careers as contractors working with mechanical and electrical systems. They are also prepared for careers in management at specialty contracting firms, such as those with expertise in control systems, electrical distribution or heating, and ventilation and air conditioning systems for large and complex facilities like data centers, health care organizations, semiconductor manufacturing plants, and commercial facilities.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
https://ssebe.engineering.asu.edu/undergraduate/construction-mgmt/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Electrical Engineering, BSE (ESEEEBSE)

**Campus:** Tempe, Online

**Program Description:** The BSE program in electrical engineering prepares students for positions as electrical engineers.

Following initial coursework in mathematics and sciences, the foundation classes build a solid base of engineering knowledge. The electrical engineering curriculum includes a number of required upper-division electrical engineering and technical elective courses in such areas as circuits; communication, signal processing and control systems; computer engineering; electromagnetics; power; and solid-state devices.

Approved technical elective courses provide students with an opportunity either to broaden their background in electrical engineering or to study in greater depth the technical subjects in which they have special interest.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Astrophysics and Astronomy, MS
Computer Engineering (Electrical Engineering), MS
Electrical Engineering, MS
Electrical Engineering, MSE
Exploration Systems Design (Instrumentation), MS
Exploration Systems Design (Sensor Networks), MS
Exploration Systems Design (Systems Engineering), MS
Exploration Systems Design, MS
Robotics and Autonomous Systems (Electrical Engineering), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
• minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
• no high school math or science competency deficiencies
Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
• minimum transfer GPA of 3.00 for less than 24 transfer hours, and
• no high school math or science competency deficiencies, and
• minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.50 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (MAT 265, MAT 266, PHY 121 and PHY 122)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-engineering-electrical-engineering/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEEEBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
- •Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- •Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- •Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts; ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives

**Global Opportunities:**
Global Experience: Students gain valuable experience when studying abroad (https://goglobal.asu.edu/), experience that enhances their resumes. With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students in electrical engineering are able to gain hands-on experience in a variety of international locations. In a competitive field, students stand out with the heightened cultural competency and leadership and critical thinking skills they achieved when studying abroad. More information on available programs can be found on the Global Education website.

**Career Opportunities:** Graduates with the bachelor's degree in electrical engineering find many exciting opportunities in industry. These include:

- communication equipment and network providers
- computer and peripheral device manufacturers and defense organizations
- consulting companies
- electric power utilities
- semiconductor chip designers and manufacturers

Graduates are also prepared for continued learning experiences, either in a formal graduate program or in continuing education applications.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another

state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)

**Campus:** Tempe, Online

**Program Description:** The electric power and energy systems concentration in the BSE program in electrical engineering prepares students for positions after graduation in industries dealing with the generation, transmission and utilization of electric power. Generation includes conventional power generation (fossil fuel and nuclear) and alternative energy systems, including solar, wind and fuel cells.

Students in this program complete the foundation courses in math, science and engineering and then are required to take the pathway course in electric power and complete nine of the 15 technical elective credit hours with power classes. The senior design capstone project focuses on the area of electric power and energy systems.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Astrophysics and Astronomy, MS
- Electrical Engineering, MS
- Electrical Engineering, MSE
- Exploration Systems Design (Instrumentation), MS
- Exploration Systems Design (Sensor Networks), MS
- Exploration Systems Design (Systems Engineering), MS
- Exploration Systems Design, MS
- Robotics and Autonomous Systems (Electrical Engineering), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.50 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (MAT 265, MAT 266, PHY 121 and PHY 122)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/electrical-engineering-electric-power-and-energy-systems-bse/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEEEPBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
- •Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- •Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- •Apply knowledge of mathematics, science, and engineering, with focus on electrical power systems.

**Global Opportunities:**
Global Experience: Students gain valuable experience when studying abroad, experience that enhances their resumes. With over 300 programs available, study abroad (https://goglobal.asu.edu/) allows students to tailor their experience to their unique interests and skill sets. Students in electrical engineering are able to gain hands-on experience in a variety of international locations. In a competitive field, students stand out with the

heightened cultural competency and leadership and critical thinking skills they achieved when studying abroad. More information on available programs can be found on the Global Education website.

**Career Opportunities:** Career opportunities for graduates with a concentration in electric power and energy systems include:

- consulting engineering firms
- employment in utility companies
- entrepreneurial opportunities
- power equipment manufacturers
- research and design organizations
- state, federal and municipal agencies

This concentration also prepares students to pursue graduate degrees in the areas of:

- power generation
- power systems
- power transmission and distribution
- renewable and sustainable energy sources

The program also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Engineering, BSE (TSEGRBSE)

**Campus:** Polytechnic

**Program Description:** The BSE program in engineering prepares graduates to collaborate across disciplines in order to design and build solutions to real-world problems.

In the Bachelor of Science in Engineering program, students apply engineering fundamental knowledge and design thinking to real projects every semester. They choose a disciplinary concentration that enables them to develop in-depth knowledge in a specific area, and they choose a secondary focus area. This flexibility allows students to tailor their degree in a way that will help them to achieve their individual career and life goals. The program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork, collaboration, self-motivation and adaptability, and the program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes.

Students can choose from the following concentrations: automotive systems, electrical systems, mechanical engineering systems and robotics.

Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Design engineering systems including components, and processes to meet needs within realistic constraints including social, political, economic, ethical, health and safety, manufacturing and/or sustainability.
- •Communicate engineering findings to colleagues, clients, other stakeholders and the public in written, oral and graphical form.
- •Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. (ABET).

**Global Opportunities:**
Global Experience: Study abroad enables students to gain valuable, resume-building experience. Participation in a Global Education program (https://goglobal.asu.edu/) provides students with the heightened cultural competency and leadership and critical thinking skills that will help them stand out in a competitive industry.

Whether in a foreign country, in the U.S. or online, students build communication skills, are challenged to adapt and persevere, are exposed to research and internships across the world, and increase their professional network.

**Career Opportunities:** Engineers on transdisciplinary teams collaborate to design, manufacture and deliver innovative technological products and services.

Graduates are prepared to work in large corporations, government agencies and small businesses as well as to go on to graduate school to pursue advanced degrees. Some graduates start companies of their own.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/bse-engineering/
SUTON 240

polyadvising@asu.edu
480-727-1874

## Engineering (Automotive Systems), BSE (TSEGRASBSE)

**Campus:** Polytechnic

**Program Description:** The BSE program in engineering prepares graduates who are able to collaborate across disciplines to design and build solutions to real-world problems.

In the program, students apply fundamental engineering knowledge and design thinking to real projects every semester. Students in the automotive systems concentration first build a broad engineering foundation to which they add the skills and knowledge necessary for vehicle design and testing. The curriculum focuses on automotive engineering fundamentals, including powertrain engineering and chassis system design, as well as hands-on projects that involve designing, analyzing and building actual automotive systems.

Graduates of this concentration of the Bachelor of Science in Engineering are able to provide leadership in automotive engineering settings, especially in automotive testing and hybrid propulsion systems, which are intrinsically transdisciplinary in nature.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Engineering, MS
- Global Management, MGM
- Manufacturing Engineering, MS
- Robotics and Autonomous Systems (Systems Engineering), MS
- Secondary Education (Teacher Certification), MEd
- Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.

Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRASBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Design engineering systems including components, and processes to meet needs within realistic constraints including social, political, economic, ethical, health and safety, manufacturing and/or sustainability.
- •Communicate engineering findings to colleagues, clients, other stakeholders and the public in written, oral and graphical form.
- •Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. (ABET).

**Global Opportunities:**
Global Experience: Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad. A resume enhanced by the valuable study abroad experience will impress prospective employers and it also will help students stand out when pursuing advanced study.

With over 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

**Career Opportunities:** Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek.

Graduates of the automotive concentration are prepared for employment in companies related to the automotive industry, from large original equipment manufacturing companies and their testing grounds to smaller specialty or aftermarket companies. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Because of the transdisciplinary nature of the Bachelor of Science in Engineering, graduates also have opportunities to perform functions that traditionally have been done by mechanical, manufacturing, automation and development engineers.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/bse-engineering
SUTON 240
polyadvising@asu.edu
480-727-1874

## Engineering (Electrical Systems), BSE (TSEGRESBSE)

**Campus:** Polytechnic

**Program Description:** The BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems.

Bachelor of Science in Engineering students apply fundamental engineering knowledge and design thinking to real projects every semester. Students in the electrical systems concentration of the program build a broad engineering foundation to which they add the skills and knowledge they will need in order to contribute electrical subject matter expertise in transdisciplinary engineering teams. This expertise includes theory and

application of sensors, actuators, microcontrollers and microprocessors as well as the integration of these components into electrical and mechatronic systems. The electrical systems curriculum also provides significant hands-on experience designing and implementing electrical and mechatronic systems to meet the needs of users.

The program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork, collaboration, self-motivation and adaptability, and the program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes.

Accredited by the Engineering Accreditation Commission of ABET; http://www.abet.org (http://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Engineering, MS
Global Management, MGM
Manufacturing Engineering, MS
Robotics and Autonomous Systems (Systems Engineering), MS
Secondary Education (Teacher Certification), MEd
Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRESBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in

their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Design engineering systems including components, and processes to meet needs within realistic constraints including social, political, economic, ethical, health and safety, manufacturing and/or sustainability.
- •Communicate engineering findings to colleagues, clients, other stakeholders and the public in written, oral and graphical form.
- •Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. (ABET).

**Global Opportunities:**
Global Experience: Study abroad enables students to gain valuable, resume-building experience. Participation in a Global Education program (https://goglobal.asu.edu/) provides students with the heightened cultural competency and leadership and critical thinking skills that will help them stand out in a competitive industry.

Whether in a foreign country, in the U.S. or online, students build communication skills, are challenged to adapt and persevere, are exposed to research and internships across the world, and increase their professional network.

**Career Opportunities:** Engineers on transdisciplinary teams collaborate to design, manufacture and deliver innovative technological products and services.

Engineers with electrical expertise are in high demand in many industry sectors, especially manufacturing, utilities, and communications and defense systems. Electrical systems also pervade the service sectors in areas such as health care, finance, education and entertainment.

Graduates of this program have the broad base of technical knowledge and operational skills that make them invaluable members of multidisciplinary engineering teams and well suited for employment across a broad spectrum of engineering endeavors. They are prepared to work in large corporations, government agencies and small businesses as well as to go on to graduate school to pursue advanced degrees. Some graduates start companies of their own.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/bse-engineering
SUTON 240
polyadvising@asu.edu
480-727-1874

## Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)

**Campus:** Polytechnic

**Program Description:** The BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems.

Bachelor of Science in Engineering students apply fundamental engineering knowledge and design thinking to real projects every semester. Students in the mechanical engineering systems concentration of the program build a broad engineering foundation to which they add the skills and knowledge they will need in order to contribute mechanical subject matter expertise in transdisciplinary engineering teams. This expertise includes theory and application of materials, machine design, thermal fluid systems, and energy and power from a systems perspective. The mechanical systems curriculum also provides significant hands-on experience designing and implementing mechanical systems to meet the needs of users.

The program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork, collaboration, self-motivation and adaptability, and the program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes.

Accredited by the Engineering Accreditation Commission of ABET; https://www.abet.org (https://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the

STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Engineering, MS
Global Management, MGM
Manufacturing Engineering, MS
Robotics and Autonomous Systems (Systems Engineering), MS
Secondary Education (Teacher Certification), MEd
Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRMEBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Design engineering systems, components, and processes to meet needs within realistic constraints including social, political, economic, ethical, health and safety, manufacturing and/or sustainability.
•Communicate engineering findings to colleagues, clients, other stakeholders and the public in written, oral and graphical form.
•Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. The outcome statement is consistent with ABET accreditation requirements.

**Global Opportunities:**
Global Experience: Study abroad enables students to gain valuable, resume-building experience. Participation in a Global Education program (https://goglobal.asu.edu/) provides students with the heightened cultural competency and leadership and critical thinking skills that will help them stand out in a competitive industry.

Whether in a foreign country, in the U.S. or online, students build communication skills, are challenged to adapt and persevere, are exposed to research and internships across the world, and increase their professional network.

**Career Opportunities:** Engineers on transdisciplinary teams collaborate to design, manufacture and deliver innovative technological products and services.

Engineers with mechanical expertise are in high demand in many different industry sectors, including transportation, agriculture, a wide variety of process industries, product development, manufacturing, and energy and defense systems. Mechanical engineers also work in close collaboration with other engineering disciplines in a wide variety of fields, including biomedical, building and construction, transportation and aerospace.

Graduates from this program have a broad base of technical knowledge and operational skills that make them invaluable members of multidisciplinary engineering teams and well-suited for employment across the whole spectrum of applications. They are prepared to work in large corporations, government agencies and small businesses as well as to go on to graduate school to pursue advanced degrees. Some graduates start companies of their own.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/bse-engineering/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Engineering (Robotics), BSE (TSEGRRBSE)

**Campus:** Polytechnic

**Program Description:** The BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems.

Bachelor of Science in Engineering students apply fundamental engineering knowledge and design thinking to real projects every semester. Students in the robotics concentration of the program build a broad engineering foundation to which they add the skills and knowledge they will need in order to contribute robotics subject matter expertise in transdisciplinary engineering teams. This expertise includes electromechanical systems, sensor and actuator integration, embedded digital systems application, and design and analysis of dynamic systems. The robotics curriculum also provides significant hands-on experience designing and implementing robotics systems to meet the needs of users.

The program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork, collaboration, self-motivation and adaptability, and the program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes.

Accredited by the Engineering Accreditation Commission of ABET; https://www.abet.org (https://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N

**First Required Math Course:** MAT  265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Engineering, MS
Global Management, MGM
Manufacturing Engineering, MS
Robotics and Autonomous Systems (Systems Engineering), MS
Secondary Education (Teacher Certification), MEd
Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSEGRRBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Design engineering systems including components, and processes to meet needs within realistic constraints including social, political, economic, ethical, health and safety, manufacturing and/or sustainability.
•Communicate engineering findings to colleagues, clients, other stakeholders and the public in written, oral and graphical form.
•Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. The outcome statement is consistent with ABET accreditation requirements.

**Global Opportunities:**
Global Experience: Study abroad enables students to gain valuable, resume-building experience. Participation in a Global Education program (https://goglobal.asu.edu/) provides students with the heightened cultural competency and leadership and critical thinking skills that will help them stand out in a competitive industry.

Whether in a foreign country, in the U.S. or online, students build communication skills, are challenged to adapt and persevere, are exposed to research and internships across the world, and increase their professional network.

**Career Opportunities:** Engineers on transdisciplinary teams collaborate to design, manufacture and deliver innovative technological products and services.

Robotics plays an increasingly important role in many different industries, including manufacturing, automotive, defense systems, biomedical devices and aerospace.

Graduates from this program have a broad base of technical knowledge in the design and implementation of robotic electro-mechanical systems. In addition, they have the operational and communication skills that make them invaluable members of multidisciplinary engineering teams and well-suited for employment across the whole spectrum of applications. They are prepared to work in large corporations, government agencies and small businesses as well as to go on to graduate school to pursue advanced degrees. Some graduates start companies of their own.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/bse-engineering/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Engineering Management, BSE (ESEMGBSE)

**Campus:** Tempe, Online

**Program Description:** The BSE program in engineering management is designed to provide students with skills required for effective management and leadership of engineering-driven enterprises.

The curriculum provides a breadth of engineering science and design with depth in one specific area suitable for practice. This knowledge is augmented with an understanding of business practices and organizational behavior and with the development of management skills, enabling the graduate to succeed in the management of a scientific or engineering enterprise. Topics covered include project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management, in addition to product design and process development.

Graduates have a deep understanding of at least one industry sector based upon the focus area courses.

Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM

Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
Industrial Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
• minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
• Admission may be granted with one deficiency in no more than two competency areas (https://admission.asu.edu/first-year/competency-requirements). Deficiencies in both math and laboratory science are not acceptable.
Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
• minimum transfer GPA of 2.75 for less than 24 transfer hours, and
• satisfy the freshmen admission requirements

Transfer students with more than 24 transferable college credit hours:
• minimum transfer GPA of 2.75 for 24 or more transfer hours, and
• if Admission Services requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency areas (https://admission.asu.edu/first-year/competency-requirements). Deficiencies in both math and laboratory science are not acceptable.

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/engineering-engineering-management-bse/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEMGBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Students will have an ability to function effectively as a member or leader of a team. Graduates will successfully perform work related tasks including establishing goals, work plans, tasks, meets deadlines in order to create a collaborative and inclusive environment that establishes goals, plans, tasks, meets deadlines, and creates a collaborative and inclusive environment. (ABET)
- •Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. (ABET)
- •Communicate effectively with a range of audiences.(ABET)

**Global Opportunities:**
Global Experience: Students gain valuable experience through study abroad, and with more than 300 Global Education programs (https://goglobal.asu.edu/) available they can tailor their experience to their unique interests and skills.

As students learn to thrive in a global environment, they build communications skills, are challenged to adapt and persevere, are exposed to research and internships across the world, and they can increase their professional networks.

Participation in a Global Education program, whether in a foreign country, in the U.S., or online, provides students with heightened cultural competency, which will enhance their resumes and help them stand out in a competitive field.

**Career Opportunities:** An engineering management graduate is prepared to begin a career as a:

- production supervisor
- project management team member or lead
- supply logistics engineer
- system specification and customer relationship management specialist or a similar role

Graduates are ready to progress through successively higher levels of management responsibility.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
https://scai.engineering.asu.edu/engineering-management-bse/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Environmental Engineering, BSE (ESEVEBSE)

**Campus:** Tempe

**Program Description:** The BSE program in environmental engineering educates students to become tomorrow's engineers who solve complex environmental problems and design systems at the human, urban and planetary scales.

Environmental engineers are actively involved with the following topics and activities: air quality monitoring and air pollution control technology; analysis of the fate and transport of pollutants; application of sustainable design principles; design and operation of water and wastewater treatment systems; design of hazardous waste containment systems; design of solid waste management systems; remediation of contaminated soil, sediment and water; and water quality, water conservation and water reuse.

In recognition of the interdisciplinary nature of environmental engineering challenges, the degree program incorporates courses from humanities,

social sciences, natural sciences, mathematics and engineering. Environmental engineering courses build on strong foundations in chemistry, microbiology, geology, physics and mathematics. Courses cover fundamental engineering concepts applied to environmental processes and environmental engineering design as well as applied learning experiences, including a required internship or research experience and a capstone design course.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Civil, Environmental and Sustainable Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year Admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with more than 24 transferable college credit hours:
Primary

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admissions Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESEVEBSE~null + &college=CES) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) allow students with an open mind to further their understanding of the impact the industrial world has on the environment around the world, and with more than 300 programs available, students can tailor their experience to their unique interests and skill sets.

Whether in a foreign country, in the U.S., or online, students broaden their educational experience, build communication skills, are challenged to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network. Their participation in study abroad demonstrates to employers they can thrive in a global environment, helping them stand out in a competitive industry.

Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates from the environmental engineering program have career opportunities in both the private and public sectors.

Opportunities exist in the private sector in both the consulting and manufacturing industries. The consulting industry is growing as greater environmental awareness and emerging novel pollutants require continual refinement of regulations and environmental system design standards, and the manufacturing industry employs environmental engineers to aid in environmental compliance and eco-efficiency.

In the public sector, municipalities and regulatory agencies require a knowledgeable workforce that understands how public policy can improve human health and ecosystem services through environmental engineering processes.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering & Built Envirnmt
https://ssebe.engineering.asu.edu/undergraduate/environmental/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Environmental and Resource Management, BS (TSETMBS)

**Campus:** Polytechnic

**Program Description:** The BS program in environmental and resource management provides critical scientific, engineering, regulatory and management skills for students who plan to pursue careers in industry, government or nongovernmental organizations, focusing on ensuring the health of engineered and natural ecosystems and mitigating the environmental impact of the industrial world.

The curriculum combines a strong foundation in chemistry, physics, biology and mathematics with a solid grounding in environmental law and policy, engineering and management principles. Students learn to apply environmental technologies to manage engineered environmental operations such as drinking water and wastewater treatment, management of hazardous and solid wastes, and the control of industrial and mobile sources of air pollution. They study OSHA, EPA and DOT regulations on health and safety, as well as strategies to protect workers in hazardous environments. International environmental issues and legal frameworks are included along with U.S. environmental laws.

An accelerated BS/MS degree option is available in which up to 12 credit hours of the bachelor's degree may be applied toward the 30 credit hours required for the master's degree in environmental and resource management. A special application is required for this option.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Environmental and Resource Management (Water Management), MS
Environmental and Resource Management, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSETMBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Evaluate environmental policies and regulations that apply to environmental and resource management.
- •Apply management, scientific, and technical solutions to natural and anthropogenic environmental problems.
- •Apply sustainable development practices and trends to environmental systems.

**Global Opportunities:**
Global Experience: Study abroad allows students of environmental resource management to further their understanding of the impact the industrial world has on the environment. With an open mind, students further their studies and understanding of the various environmental conditions around the globe.

Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad, and with over 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

**Career Opportunities:** Graduates with the skills gained in this program are in high demand and can find work in industry, governmental management and regulatory agencies or in policymaking organizations.

Graduates are firmly grounded in the scientific, technical, and legal problems facing environmental managers in today's business climate. They are prepared to be environmental, health and safety professionals in industrial settings such as manufacturing, mining, oil and gas or environmental engineering consulting firms. They also assure compliance with OSHA and EPA requirements in laboratories at pharmaceutical companies, water and wastewater treatment facilities or academic labs. On the regulatory side, graduates work for agencies such as the U.S. Environmental Protection Agency or state and county departments of environmental quality.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/erm
SUTON 240
polyadvising@asu.edu
480-727-1874

## Graphic Information Technology, BS (TSGITBS)

**Campus:** Polytechnic, Online

**Program Description:** The cross-media nature of the graphics industry requires tomorrow's graduates to understand the full spectrum of visual design and production as well as current business practices.

The BS program in graphic information technology prepares students to become visual design technologists with skills in front-end web design and development, print and digital publishing, commercial photography and video production, and motion graphics and visual effects.

This is an intensive program of study emphasizing theory and hands-on laboratory practice.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Graphic Information Technology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-graphic-information-technology-concentration/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSGITBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Sketch solutions to graphic communications problems utilizing industry-standard workflows.
- •Apply individual and collaborative skills to engineer solutions to cross-media challenges.
- •Compose written and visual documentation for complex cross-media processes.
- •Synthesize content into digital collateral for cross-media output.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their chosen career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graphic information technology prepares graduates for technical and management positions in visual design in such diverse areas as:

- art direction
- commercial photography and video production
- front-end web design and development
- graphic design
- motion graphics and visual effects
- premedia, digital printing and publishing
- print technology
- production management
- quality assurance of graphic and visual design products
- technical and digital media production
- user experience design
- user interface design
- visual design

**Contact Information:**
Engineering, Ira A. Fulton Schools of

Graphic Information Technology
https://poly.engineering.asu.edu/git/bs-graphic-information-technology
SUTON 240
polyadvising@asu.edu
480-727-1874

## Graphic Information Technology (Full-Stack Web Development), BS (ESGITFSWBS)

**Campus:** Polytechnic, Online

**Program Description:** The BS program in graphic information technology with a concentration in full-stack web development focuses on front-end and back-end website and application development. This cross-disciplinary program has a foundation in user-centered design and client-side scripting (HTML, CSS, JS) and extends to server-side programming (PHP, Python, SQL, etc.).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Graphic Information Technology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/web-development-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESGITFSWBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Analyze accepted coding and design techniques to apply the most appropriate to web design and development solutions.
- •Demonstrate ability to guide a project through a development cycle using industry-standard tools and techniques.
- •Implement individually- and collaboratively-built components into cohesive solutions for web design and development challenges.
- •Display ability to build and evaluate effective user interactions in web-based systems.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** The future is bright for those with full-stack developer skills. According to the LinkedIn 2020 Emerging Jobs Report, full-stack engineer is number four of the top 15 emerging jobs in 2020 (https://business.linkedin.com/content/dam/me/business/en-us/talent-solutions/emerging-jobs-report/Emerging_Jobs_Report_U.S._FINAL.pdf (https://business.linkedin.com/content/dam/me/business/en-us/talent-solutions/emerging-jobs-report/Emerging_Jobs_Report_U.S._FINAL.pdf)).

Since 2015, hiring growth for the full-stack engineer profession has been 35% every year. Indeed ranked full-stack developer as the second best job for 2020, with the percentage of growth from 2018 to 2019 at more than 161% (https://www.indeed.com/lead/best-jobs-2020 (https://www.indeed.com/lead/best-jobs-2020)).

Indeed also listed the top 10 skills for a full-stack developer, nine of which are taught within the full-stack web development concentration curriculum. The program goes beyond these as well, giving students opportunities to learn additional technologies, further preparing them for jobs upon graduation.

Top industries where graduates land include computer software, IT, financial services and higher education. Google, eBay, Verizon, IBM and Capital One are among the top companies hiring full-stack developers (according to Glassdoor athttps://www.glassdoor.com/Explore/browse-companies.htm?overall_rating_low=3.5&page=1&isHiringSurge=0&occ=Full%20Stack%20Developer (https://www.glassdoor.com/Explore/browse-companies.htm?overall_rating_low=3.5&page=1&isHiringSurge=0&occ=Full%20Stack%20Developer).)

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Graphic Information Technology
https://poly.engineering.asu.edu/advising/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Graphic Information Technology (User Experience), BS (ESGITUEBS)

**Campus:** Polytechnic, Online

**Program Description:** The BS program in graphic information technology with a concentration in user experience is designed to provide students with an interdisciplinary foundation in design, research and communication, to prepare them for the rapidly growing area of user experience.

The concentration provides students with a conceptual understanding of methods for gathering user information, applied skills in those methods, analyzing data and communicating through visual design technologies.

Although its disciplinary home and primary focus is graphic information technology, the concentration includes courses from the fields of human systems engineering and technical communication in order to provide students with the multiple perspectives and complementary skills needed for user experience work.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Graphic Information Technology, MS
User Experience, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/graphic-information-technology-user-experience-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESGITUEBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their chosen career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graphic information technology graduates who have some expertise in user experience have numerous career opportunities in areas such as user experience research, user-centered design, information design, interaction design, information architecture, content strategy and usability analysis.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Graphic Information Technology
https://poly.engineering.asu.edu/git/

SUTON 240
polyadvising@asu.edu
480-727-1874

# Human Systems Engineering, BS (ESHSEBS)

**Campus:** Polytechnic, Online

**Program Description:** The BS program in human systems engineering provides students with an understanding of the science of human performance and with experience using methods and tools to apply this understanding to design and problem-solving in a wide variety of domains, such as product usability, learning design, sports performance and workplace and hospital safety.

A large array of professions need experts in human factors to work on problems that involve an understanding of human performance, in areas that include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, health psychology, learning optimization, social cognition, threat detection and sports psychology.

The program is offered by the Ira A. Fulton Schools of Engineering.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Human Systems Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/human-systems-engineering/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESHSEBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** The human systems engineering program prepares students for industry and government careers. Graduates may work as a member of a design team for a product or system in positions such as:

- game designer
- human factors engineer
- human systems integrator
- interface designer
- user experience designer
- usability engineer

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/hse/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Human Systems Engineering (User Experience), BS (ESHSEUEBS)

**Campus:** Polytechnic, Online

**Program Description:** The user experience skills increasingly valued by industry are not typically covered in traditional psychology or engineering programs. The BS degree program in human systems engineering with a concentration in user experience combines topics in psychology, the web, human factors, visual displays and technical communications to make products and services useful, usable and desirable.

User experience focuses on the design, development and evaluation of products and services that are useful, usable and desirable. The user experience program addresses UX research, design, content development, communication, tone of voice and evaluation of all components and products with which end users interact.

Students learn how to research customer needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered methods.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Human Systems Engineering, MS
User Experience, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/human-systems-ux-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESHSEUEBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** Increasingly, companies are searching for professionals to help make products and services more usable and desirable. In recent years, CNN, U.S. News & World Report and other news organizations have rated user experience as one of the top emerging careers, with benefits that include high pay, opportunities to telecommute, low stress and high job growth.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/hse/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Industrial Engineering, BSE (ESIEEBSE)

**Campus:** Tempe

**Program Description:** Industrial engineering pertains to the design, improvement, installation and operation of integrated systems of people, materials, information, equipment and energy with the purpose of determining efficient ways to make a product or provide a service. Industrial engineering draws upon specialized knowledge and skills in the mathematical, physical and social sciences and the principles and methods of engineering analysis and design.

The underlying concepts for the BSE program in industrial engineering include certain business principles but emphasize the use of mathematics and information technology to build models to describe, understand and optimize system performance. Depending on the subspecialties involved and the intended application, industrial engineering may also be known as operations management, management science, operations research, systems engineering or manufacturing engineering.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
Industrial Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in CSE 110 Principles of Programming, MAT 265 Calculus for Engineers I and MAT 266 Calculus for Engineers II

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESIEEBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •ABET 1: Will demonstrate the ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- •ABET 6: Will demonstrate an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- •ABET 7: Will demonstrate the ability to acquire and apply new knowledge as needed, using appropriate learning strategies

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates in industrial engineering are prepared to design and manage systems for a wide range of organizations. They find exciting career opportunities in all types of manufacturing and service industries, including:

- banking and finance
- defense and government
- health care
- hospitality, sports and entertainment
- management consulting
- manufacturing (e.g., aerospace, automotive, semiconductor)
- software industry
- telecommunication
- transportation and logistics

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another

state. For more information, students should visit the ASU professional licensure webpage (https://admission.asu.edu/academics/licensure).

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
https://scai.engineering.asu.edu/industrial-engineering-bse/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Informatics, BS (ESCPIBS)

**Campus:** Tempe

**Program Description:** Informatics is about discovering, developing and understanding computer applications that improve people's lives. The BS program in informatics prepares students to become skilled professionals who take a transdisciplinary, user-oriented perspective toward information and computing systems, apply current informatics methods to address society's needs and contribute to the next generation of such systems.

The informatics bachelor's degree program provides an option for students interested in a flexible program in applied information and computing technologies. The program provides skills in design and implementation of computer systems while offering opportunities for building applications used by people in many fields. Students learn to develop software for devices of all sizes, from supercomputers to cell phones and even smaller. The challenges of informatics include designing, developing and applying tools that model, aid or automate activities within science, engineering, business, geography, education and entertainment.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 265 Calculus for Engineers I
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Robotics and Autonomous Systems (Artificial Intelligence), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during

the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:

- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed.

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class.

Transfer students with more than 24 transferable college credit hours:

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed (if Admission Services requires submission of a high school transcript).

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in CPI 101 Introduction to Informatics, CSE 110 Principles of Programming, CSE 205 Object-oriented Programming and Data Structures, and MAT 242 Elementary Linear Algebra

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESCPIBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Master the principles for the usage, design, construction, and evaluation of Informatics systems (ABET target)
- •Demonstrate an in-depth understanding and devlopment skill of the Informatics knowledge of the chosen focal area.
- •Apply principles of computing and other relevant disciplines to analysis of practical problems and development of solutions.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Informatics careers center on solving problems through the design and creation of information systems, user interfaces, mobile technologies and social media.

Graduates have the ability to develop future information technology solutions that place a strong emphasis on user needs and provide the ability to adapt and change dynamically with society's needs. This makes the informatician a strong candidate for jobs in:

- data analytics
- management consulting firms
- technology research centers
- technology startups

Additionally, they are prepared for graduate programs that offer an emphasis in emerging technologies.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://scai.engineering.asu.edu/informatics/
CTRPT 105
SCAI.Undergrad.Admission@asu.edu
480-965-3199

## Information Technology, BS (TSIFTBS)

**Campus:** Polytechnic, Online

**Program Description:** Technology continues to evolve each day. Every organization needs IT professionals to protect their networks, troubleshoot computer systems, develop applications and manage IT projects.

The BS program in information technology covers key disciplines that incorporate emerging technologies, including agile software development, data management and analytics, network administration, cloud computing and cybersecurity.

Students have the opportunity to select technical electives in different interdisciplinary areas. Students learn in a project-driven curriculum with a learn-by-doing approach so they are prepared for careers in information technology.

Accredited by the Computing Accreditation Commission of ABET, https://www.abet.org/ (https://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus

master's degree with::

Information Technology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-information-technology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSIFTBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Ability to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions (ABET)
- •Ability to design, implement and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline (ABET)
- •Ability to communicate effectively in a variety of professional contexts (ABET)
- •Ability to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles (ABET)
- •Ability to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline (ABET)
- •Ability to use systemic approaches to select, develop, apply, integrate and administer secure computing technologies to accomplish user goals (ABET)
- •Ability to demonstrate an ability to assist in the creation of an effective project plan (ABET)

**Global Opportunities:**
Global Experience: With over 300 programs Global Education program opportunities (https://goglobal.asu.edu/) in more than 65 countries available (programs vary in length, from one week to one year), engineering students are able to tailor their experience to their unique interests and skill sets. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** IT careers are growing fast according to the Bureau of Labor Statistics: https://www.bls.gov/ooh/computer-and-information-technology/home.htm (https://www.bls.gov/ooh/computer-and-information-technology/home.htm). The exciting career path of an IT professional can place graduates in positions around the world, in any industry. Such industries include:

- biomedical
- construction

- defense
- education
- entertainment
- geospatial
- informatics
- sports
- sustainable environments

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Information Technology
https://poly.engineering.asu.edu/it/
SUTON 240
polyadvising@asu.edu
480-727-1874

## Manufacturing Engineering, BS (TSMEGRBS)

**Campus:** Polytechnic

**Program Description:** Successful manufacturing enterprises prosper in the global marketplace through a balance of design, sustainability, quality and production. Manufacturing engineering combines manufacturing processes (e.g., how materials are altered in either shape or properties) and the processes of manufacturing (e.g., design and management of manufacturing systems).

The BS program in manufacturing engineering prepares students to analyze, synthesize and control manufacturing operations using statistical methods; to collaborate across disciplines to design and build automated manufacturing systems for factory operation; to design innovative products and the equipment, tooling and environments necessary for their manufacture; to model, simulate and analyze manufacturing production processes for both small- and large-scale environments; and to provide technological leadership.

The curriculum is project-based, hands-on, teamwork-oriented and delivered in outstanding fabrication facilities. Graduates of this program become key team members who create and implement processes for making such varied products as airplanes, surgical instruments, toys and foodstuffs.

Accredited by the Engineering Accreditation Commission of ABET; https://www.abet.org (https://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Engineering, MS
Manufacturing Engineering, MS
Robotics and Autonomous Systems (Systems Engineering), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSMEGRBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad. A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

With over 300 Global Education program opportunities (https://goglobal.asu.edu) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

**Career Opportunities:** Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services.

Graduates possess the technical skills in tandem with the professional skills of communication, teamwork and collaboration and the self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies and small businesses as well as to go on to graduate school in pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Graduates typically work as manufacturing engineers in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people within and outside of their company. Career employment opportunities include direct manufacturing support, manufacturing management, and quality control and assurance. Small and new startup companies value the strong, broad and practical engineering skill set of program graduates. Program graduates are well-placed and command top salaries.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
School of Manufacturing Systems and Networks
https://msn.engineering.asu.edu/degrees/manufacturing-engineering-bs/
SANCA 331
msnadvising@asu.edu
480-727-2097

## Materials Science and Engineering, BSE (ESMSEBSE)

**Campus:** Tempe

**Program Description:** Novel materials are tailored to meet the needs of targeted applications and become the foundation for all engineering disciplines. Such materials enable many new technologies and are commonly used in bioengineering and medicine, pharmaceuticals, electronics, optics, architecture and transportation, aviation and aerospace, energy conversion, environmental engineering and numerous industrial systems.

Materials science and engineering is concerned with the discovery, synthesis, processing, manufacturing and characterization of substances within these general classes of materials: sustainable materials, polymers, metals, semiconductors, ceramics and composites. An understanding of the molecular structure and well-designed processing are the keys to engineering materials with outstanding properties for next-generation applications.

Courses in the undergraduate program in materials science and engineering prepare students to discover and design new and better materials that make an impact on and improve people's lives and keep America on the cutting edge of technology.

Accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org)
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Materials Science and Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and

• no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
• minimum transfer GPA of 2.75 for 24 or more transfer hours, and
• minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMSEBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Demonstrate integration of relationships of structure-property-performance-processing and apply them to modern engineering problems involving electronic, sustainability, polymeric, ceramic, and other material systems using materials science characterization, computational and statistical methods.
•Solve complex engineering problems by identifying, formulating and applying principles of material science and engineering.

•Develop and conduct appropriate experimentation, by analyzing and interpreting materials characterization or computational datasets, and conduct appropriate experimentation and use engineering judgment to draw scientific and engineering conclusions applicable to modern engineering questions.

**Global Opportunities:**
Global Experience: A study abroad (https://goglobal.asu.edu/) experience can equip students with the skills they need to effectively and efficiently work with people anywhere in the world. It grants them the chance to gain an international viewpoint on not only engineering itself, but on being a human in this increasingly global world.

Participation in a Global Education program helps students broaden their own horizons and open up possibilities they may have not known existed. Students gain valuable, resume-enhancing experience when studying abroad, and students stand out in a competitive field with the heightened cultural competency and leadership and critical thinking skills they acquired when studying abroad.

The Ira A. Fulton Schools of Engineering recommends these programs (https://goglobal.asu.edu/students/major/SEMTE/materials-science-engineering) for student majoring in materials science and engineering.

**Career Opportunities:** Since materials science and engineering has such wide-scale applications, graduates find jobs in virtually every field, such as aerospace, defense, auto industry, telecommunications, microelectronics, computers, bioengineering, sports, renewable energy, academia and national research labs. They are among the highest paid scientists and engineers.

Program education objectives
The materials science and engineering program has the following educational objectives:

• Graduates can solve real-world materials engineering challenges within their organizations by applying the required technical knowledge, skills and critical thinking.
• Graduates will have made demonstrable progress toward a graduate degree or be considered for a technical promotion potentially within three to five years of graduation.
• Graduates can demonstrate professionalism, leadership, lifelong learning, professional development and ability to work in teams, and hold positions of increasing responsibility within their organizations.
• Graduates can demonstrate an ethical approach to their profession including consideration of economic, societal, cultural and environmental impact.

Student outcomes
Graduates of materials science and engineering program are expected to have attained the following outcomes:

• an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics

• an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety and welfare, as well as global, cultural, social, environmental and economic factors
• an ability to communicate effectively with a range of audiences
• an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
• an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
• an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
• an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

An additional outcome for ASU materials science and engineering graduates is to demonstrate integration of relationships of structure, properties, processing and performance related to material systems using experimental, computational and statistical methods.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Materials Science and Engineering Program
https://semte.engineering.asu.edu/materials-science-and-engineering-bse/
ECG 202
semte@asu.edu
480-965-2335

## Mechanical Engineering, BSE (ESMAEMBSE)

**Campus:** Tempe, Online

**Program Description:** Mechanical engineering is a creative, diverse discipline. Mechanical engineers design, build and control the devices, machines, processes and systems that are the mainstay of modern industrialized society.

Students prepare for a career in mechanical engineering through a curriculum that includes the study of the principles governing energy transfer, mechanical design, sensors and control devices and the application of these principles to the creative solution of practical modern problems.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aerospace Engineering, MS
Materials Science and Engineering, MS
Mechanical Engineering, MS
Modern Energy Production and Sustainable Use, MS
Robotics and Autonomous Systems (Mechanical and Aerospace Engineering), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during

the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 241

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-mechanical-engineering/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMAEMBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Apply principles of mathematics and science to solve complex engineering problems.

•Apply engineering design to a student project with consideration of public welfare/other factors.
•Develop and conduct engineering experiments, and analyze and interpret data.

**Global Opportunities:**
Global Experience: Students gain valuable, resume-enhancing experience when studying abroad (https://goglobal.asu.edu/). With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students in mechanical engineering are able to gain hands-on experience in a variety of countries around the world. In a competitive field, students stand out with the heightened cultural competency and leadership and critical thinking skills they acquired when studying abroad.

The Ira A. Fulton Schools of Engineering recommends these programs (https://goglobal.asu.edu/students/major/SEMTE/mechanical-engineering) for student majoring in mechanical engineering.

**Career Opportunities:** Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research; generating creative design and development; and in the production, control, management and sales of the devices and systems needed by society. Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates.

The BSE program in mechanical engineering has the following program educational objectives:

Through activities such as volunteering, entrepreneurial endeavors, community service, and their employment, graduates of the mechanical engineering program demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after earning their degree:

• employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
• admission into a graduate degree program in mechanical engineering or other technical field
• admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

Graduates of the mechanical engineering program are expected to attain the following outcomes:
• an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
• an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
• an ability to communicate effectively with a range of audiences
• an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
• an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
• an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
• an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-engineering-bse/
ECG 202
semte@asu.edu
480-965-2335

## Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)

**Campus:** Tempe

**Program Description:** The concentration in computational mechanics under the BSE program in mechanical engineering teaches students the modern computational tools available for solving large-scale and complex technical problems. The curriculum focuses on high-performance

computing and the accurate modeling of large and small scale systems.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aerospace Engineering, MS
Materials Science and Engineering, MS
Mechanical Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and

• minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 241.

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMAECBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Apply principles of mathematics and science to solve complex engineering problems.
•Apply engineering design to student project with consideration of public welfare/other factors.
•Develop and conduct engineering experiments, and analyze and interpret data.

**Global Opportunities:**
Global Experience: Students gain valuable, resume-enhancing experience when studying abroad (https://goglobal.asu.edu/). With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students focusing on computational mechanics are able to gain hands-on experience in a variety of countries around the world. In a competitive field, students stand out with the heightened cultural competency and leadership and critical thinking skills they acquired through their study abroad opportunity.

Ira A. Fulton Schools of Engineering recommends these programs (https://goglobal.asu.edu/students/major/SEMTE/mechanical-engineering) for student majoring in mechanical engineering with a concentration in computational mechanics.

**Career Opportunities:** As mathematical and numerical modeling takes on a much larger role in product development, graduates who are highly skilled in computational and mathematical engineering will be in high demand.

Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research; generating creative design and development; and in the production, control, management and sales of the devices and systems needed by society. Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates.

The mechanical engineering program has the following program educational objectives:

Through activities such as volunteering, entrepreneurial endeavors, community service, and their employment, graduates of the mechanical engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after earning their degree:

• employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
• admission into a graduate degree program in mechanical engineering or other technical field
• admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

Graduates of the mechanical engineering program are expected to attain the following outcomes:
• an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
• an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
• an ability to communicate effectively with a range of audiences
• an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
• an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
• an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions

- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-engineering-bse/
ECG 202
semte@asu.edu
480-965-2335

## Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)

**Campus:** Tempe

**Program Description:** The concentration in energy and environment within the BSE program in mechanical engineering is designed to prepare students to analyze technical problems in:

- air pollution
- climate change
- energy efficiency
- environmental sustainability
- renewable energy
- timely issues facing the global community

Although the primary focus of this program is technical, the general education courses in the areas of the humanities and social and behavioral sciences introduce students to the global, political and societal issues relating to energy and the environment.

By focusing on issues such as air pollution, water scarcity and the lack of alternative transportation, graduates from the program are attractive to employers in the greater Phoenix area as well as nationwide.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aerospace Engineering, MS
Materials Science and Engineering, MS
Mechanical Engineering, MS
Modern Energy Production and Sustainable Use, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary or the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer credit hours, and
- minimum GPA of 2.75 in all critical courses: MAE 201, MAE 202, MAE 213 and MAE 241.

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESMAEEBSE~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply principles of mathematics and science to solve complex engineering problems.
- •Apply engineering design with consideration of public welfare/other factors.
- •Develop and conduct engineering experiments, and analyze and interpret data.

**Global Opportunities:**
Global Experience: Students gain valuable experience when studying abroad (https://goglobal.asu.edu/), experience that can enhance their resumes. With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students focusing on energy and the environment are able to gain hands-on experience in a variety of countries around the world. In a competitive field, students stand out with the heightened cultural competency and leadership and critical thinking skills they acquired through their study abroad opportunity.

The Ira A. Fulton Schools of Engineering recommends these programs (https://goglobal.asu.edu/students/major/SEMTE/mechanical-engineering) for student majoring in mechanical engineering with a concentration in energy and environment.

**Career Opportunities:** Mechanical engineers are employed in virtually every kind of industry. They are involved in generating creative design and development; seeking new knowledge through research; and the production, control, management and sales of the devices and systems needed by society. Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Students completing this concentration have opportunities as environmental consultants; heating, ventilation and air-conditioning engineers; and power plant designers.

The mechanical engineering program has the following program educational objectives:

Through activities such as volunteering, entrepreneurial endeavors, community service, and their employment, graduates of the mechanical engineering program demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.

Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:

- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

Graduates of the mechanical engineering program are expected to attain the following outcomes:

- an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-engineering-bse/
ECG 202
semte@asu.edu
480-965-2335

## Software Engineering, BS (TSSERBS)

**Campus:** Polytechnic, Online

**Program Description:** The BS program in software engineering blends engineering, computing, project leadership and software construction.

Students learn how to make creative software solutions to today's problems. Software systems are complex, often including millions of lines of code. Graduates of the bachelor's degree program in software engineering possess the knowledge and skills of a defined engineering approach to complex systems analysis, planning, design and construction.

The program has a unique, project-driven curriculum, establishing a new model for software engineering education. The program is built around the concepts of engaged learning, discovery-based education and learn-by-doing. Students learn by solving engaging projects, commonly as a member of a development team. In every semester of the program, students complete projects that provide emphasis in communication, teamwork, critical thinking and professionalism. They have flexibility in designing their course of study, selecting technical electives from a pool of courses in different

software engineering application areas such as web and mobile applications, embedded systems and other interdisciplinary areas.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Computer Science (Big Data Systems), MCS
Computer Science (Cybersecurity), MCS
Computer Science, MCS
Robotics and Autonomous Systems (Artificial Intelligence), MS
Software Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English language proficiency (https://admission.asu.edu/international/undergrad/english-proficiency) criterion. International students must meet the same admission requirements shown below with the possible additional requirement of a minimum English proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, or a minimum Duolingo English score of 105.

First-year admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score or a minimum high school cumulative GPA of 3.00 in ASU competency courses or class ranking in top 25% of high school class, and
- Admission may be granted with one deficiency in no more than two competency areas (https://admission.asu.edu/first-year/competency-requirements). Deficiencies in both math and laboratory science are not acceptable.

Transfer Admission Requirements: Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 2.75 for less than 24 transfer hours, and
- satisfy the freshmen admission requirements

Transfer students with more than 24 transferable college credit hours:
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and

• If Admission Services requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency areas (https://admission.asu.edu/first-year/competency-requirements). Deficiencies in both math and laboratory science are not acceptable.

**Change of Major Requirements:** Admission requirements (https://engineering.asu.edu/admission-requirements/) for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-software-engineering/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSSERBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics (ABET 1)
•Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors. (ABET 2)
•Use the techniques, skills, and modern engineering tools and processes necessary for software engineering practice. (ABET-SER1)

**Global Opportunities:**
Global Experience: Students in software engineering gain valuable hands-on experience when studying abroad, experience which enhances their resumes. With more than 300 programs available in a variety of countries around the world, study abroad allows students to tailor their experience to their unique interests and skill sets. In a competitive field, students stand out with the heightened cultural competency and the leadership and critical thinking skills they achieved when studying abroad. More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Software engineers solve a broad set of transdisciplinary problems and apply new technologies to improve the quality of life.

Graduates are prepared for advanced study in computing or an allied field or to enter the computing profession, most commonly as application software engineers. They design and engineer innovative systems that may include mechanical and electrical components that interact with software.

According to the Bureau of Labor Statistics, software engineers are highly paid, and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:

- creating applications for mobile devices
- creating web applications
- designing, creating and validating software for avionics, robotics and similar systems fields

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Software Engineering
https://scai.engineering.asu.edu/software-engineering-bs/
PICHO 245
SCAI.Undergrad.Admission@asu.edu
480-965-3199

# Technological Entrepreneurship and Management, BS (TSTEMBS)

**Campus:** Polytechnic, Online

**Program Description:** The BS program in technological entrepreneurship and management brings a STEAM (science, technology, engineering, arts and mathematics) focus to coursework in order to prepare students to address social and corporate issues that can impact and change the world. Students learn to create, launch and improve technology-based products, services and ventures, and identify and solve open-ended problems using engineering and technological approaches.

After completing this program, students should be able to demonstrate the ability to identify, analyze and synthesize information to address and solve use-inspired, open-ended problems, assessing their impact on social, cultural and economic environments; formulate methodologies to advance the knowledge of entrepreneurship and innovation; launch technology-based products and services from idea generation through actualization; use quantitative and qualitative methods to demonstrate continuous improvement of products, services and processes; and utilize a systems approach for the effective design and improvement of entrepreneurial and innovation ventures.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Leadership and Management, MALM
Global Management, MGM
Global Technology and Development, MS
Leadership and Management, MLM
Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSTEMBS~null + &college=CES) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Implement venture management of technology, management of processes, and management of human capital.
- •Demonstrate proficiency in collaborating with diverse team members through a professional team presentation that conveys innovation improvements for businesses or organizations.
- •Apply systems thinking, data-driven decision making, and research to optimize decision(s) to solve complex problems for a variety of industries/organizations.
- •Demonstrate proficiency in critical thinking by developing a strategic management plan that includes analysis of issues, assumptions, evidence, and implications.
- •Demonstrate proficiency in navigating the intersection of technology management and engineering through management of a creative engineering solution to innovate a new product or process.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates of the technological entrepreneurship and management program possess a range of skills that are needed in order to develop and innovate products and services that meet corporate and social demands.

Graduates are prepared for a wide variety of career possibilities, including technology-based entrepreneurship, product development, consulting, venture capital analysis, business development, market analysis and technology marketing.

**Contact Information:**
Engineering, Ira A. Fulton Schools of
Tech Entrepreneurship & Mgmt
https://poly.engineering.asu.edu/tem/bs-in-technological-entrepreneurship-and-management/
SUTON 240
polyadvising@asu.edu
480-727-1874

# Global Futures, College of

## Applied Mathematics for the Life and Social Sciences, BS (LAAMLBS)

**Campus:** Tempe

**Program Description:** The BS in applied mathematics for the life and social sciences is unlike any other math program. It offers a novel approach to investigating, integrating and solving problems in the physical, life and social sciences in such topics as mass violence, contagion, wildlife-human interactions and the transmission of behaviors through influence.

Degree seekers in this program are immersed in the use of mathematical theory, modeling and computational methods while collaborating with and contributing to diverse fields such as anthropology, global health and environmental social science.

The insights and skills gained allow graduates to confidently create accurate, versatile and practical answers desperately needed in order to improve or remedy real-life issues.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAMLBS~null + &college=CGF) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students studying applied mathematics can gain valuable experience through study abroad opportunities (https://goglobal.asu.edu/) that enhance their overall college experience and prepare them for careers upon graduation. The wide range of faculty-directed study abroad programs are designed to connect students with real life issues that impact local communities yet transect borders.

Graduates who possess the heightened cultural competency and leadership and critical thinking skills acquired through study abroad may stand out in a competitive field.

**Career Opportunities:** Graduates of the program possess the quantitative, scientific and analytical skills that are critical for professionals working in the environmental, life, health, mathematical and social science fields. Nationally recognized experts ensure graduates are well equipped for prestigious career paths in government, medicine, technology, security or other fields requiring rigorous data analysis, with an insight into human behavior.

The need for scientists and professionals quantitatively trained in the life and social sciences is strong in Arizona and the nation. This program's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals in industries including:

- bioinformatics
- computational sciences
- ecology
- genomics
- data mining
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science

**Contact Information:**
Global Futures, College of
School of Complex Adaptive Systems
https://scas.asu.edu
WCPH 4th floor

cgfadvising@asu.edu
480-727-6963

## Innovation in Society, BA (FIFISBA)

**Campus:** Tempe, Online

**Program Description:** The BA program in innovation in society is designed to help students cultivate the critical thinking skills needed for developing creative strategies that steer innovations toward the needs and values of society.

Students are trained to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can develop proposals for how to build better futures for people and communities around the globe.

No single discipline is able to solve the complex problems society faces today. Science and engineering can help to further values such as health, economic prosperity, security, justice, peace, sustainability, privacy and happiness. But innovations need to be developed and deployed carefully and with an understanding of a global context that includes corporations, governments, infrastructure and people.

Students in this major learn to consider the implications of technology before it is deployed and to understand the big picture so that they can bring together the pieces needed to form a successful strategy. Classes include extensive use of interactive activities and projects.

The program is specifically tailored for students with a background or interest in the humanities and the artistic side of innovation who want to play a pivotal role in bringing different disciplines together to solve the world's most difficult problems.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT  142 - College Mathematicsor any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Technology and Development, MS
Public Interest Technology, MS
Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page  (https://asuonline.asu.edu/online-degree-programs/undergraduate/innovation-in-society-bachelor-of-arts/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FIFISBA~null + &college=CGF) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Analyze and deconstruct complex social, technological, legal, ethical and social justice issues using multiple strategies.
- •Apply foresight methods to assess emerging trends and plausible futures.
- •Design creative strategies to address current societal and technological challenges.

**Global Opportunities:**
Global Experience: New innovations impact lives around the world. Global Education (https://goglobal.asu.edu/) expands students' knowledge of different places, cultures and people; enhances research experience; and challenges students to persevere in unfamiliar circumstances. With more than 300 options available, students can tailor their experience to their unique interests and skill sets. Whether it's in a foreign country, in the U.S. or online, students studying innovation in society are able to expand their knowledge of different places and gain important perspectives from different peoples and cultures.

The School for the Future of Innovation in Society recommends these programs (https://goglobal.asu.edu/students/major/innovation-society) for students majoring in innovation in society.

**Career Opportunities:** The rapid advances in science and technology are providing opportunities and challenges for employers around the world. Corporations, government agencies and nonprofits need people who are equipped to understand what those changes mean for the organization's goals and operations. There is a need for people who understand how innovation happens, who have the analytical skills to deal with complex challenges, and who can develop effective strategies and policies that will guide change.

Graduates of this program have the skills that enable them to work collaboratively with experts from a variety of backgrounds in a variety of sectors to provide problem-solving, analysis, quality assurance, future planning, technology assessment, and communication and facilitation on issues related to innovation in science and technology.

Graduates are well prepared for careers in the tech sector, nonprofits, government and the arts. They are also prepared for advanced education (e.g., law, MBA, policy, social work, global development) and graduate research across a variety of disciplines.

From the School for the Future of Innovation in Society's 2021 alumni employment survey, 83% of undergraduate alumni that responded are either employed or pursuing continuing education. Of those respondents employed, 60% have jobs directly related to their degree. Students can seek additional employment data from our alumni by visiting the College of Global Futures careers site (https://collegeofglobalfutures.asu.edu/careers/employment-data/).

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/undergrad/ba/
WCPH 400LT
cgfadvising@asu.edu
480-727-6963

## Innovation in Society, BS (FIFISBS)

**Campus:** Tempe, Online

**Program Description:** The BS program in innovation in society is designed to help students cultivate the critical thinking skills needed for developing creative strategies that steer innovations toward the needs and values of society. Students are trained to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can develop proposals for how to build better futures.

No single discipline is able to solve the complex problems society faces today. Science and engineering can help us further values such as health, economic prosperity, security, justice, peace, sustainability, privacy and happiness. But innovations need to be developed and deployed carefully and with an understanding of a global context that includes corporations, governments, infrastructure and people.

Students in this major learn to consider the implications of technology before it is deployed and understand the big picture so that they can bring together the pieces needed to form a successful strategy. Classes include extensive use of interactive activities and projects.

The program is specifically tailored for students who have a background or interest in the engineering, science and quantitative social science aspects of innovation who want to play a pivotal role in bringing different disciplines together to solve the world's most difficult problems.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Technology and Development, MS
Public Interest Technology, MS
Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/innovation-society-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=FIFISBS~null + &college=CGF) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Analyze and deconstruct complex social, technological, legal, ethical and social justice issues using multiple strategies.
- •Apply foresight methods to analyze emerging trends and plausible futures.
- •Design creative strategies to address current societal and technological challenges.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information can be found on the Global Education Office (https://goglobal.asu.edu/) website.

New innovations impact lives around the world. Whether it's in a foreign country, in the U.S., or online, students studying innovation in society are able to expand their knowledge of different places and gain important perspectives from different peoples and cultures. These programs (https://goglobal.asu.edu/students/major/innovation-society) are recommended for students majoring in innovation in society.

**Career Opportunities:** The rapid advances in science and technology are providing both opportunities and challenges for employers around the world. Corporations, government agencies and nonprofits all need people who are equipped to understand what those changes mean for the organization's goals and operations. They need people who can understand how innovation happens, have the analytical skills to deal with complex challenges, and can develop effective strategies and policies to guide change.

Graduates of this program have the skills to work collaboratively with experts from a variety of backgrounds in a variety of sectors providing problem-solving, analysis, quality assurance, future planning, technology assessment, and communication and facilitation on issues related to innovation in science and technology. Graduates are well prepared for careers in the tech sector, nonprofits and government.

Graduates are also prepared for advanced education (e.g., MBA, policy, social work, global development) and graduate research across a variety of disciplines. From the School for the Future of Innovation in Society's 2021 alumni employment survey, 83% of undergraduate alumni that responded are either employed or pursuing continuing education. Of those respondents employed, 60% have jobs directly related to their degree. Students can seek additional employment data from our alumni by visiting the College of Global Futures careers site (https://collegeofglobalfutures.asu.edu/careers/employment-data/).

**Contact Information:**
Global Futures, College of
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/undergrad/bs/
WCPH 4th floor
cgfadvising@asu.edu
480-727-6963

## Sustainability, BA (SUSUSTBA)

**Campus:** Tempe, Online

**Program Description:** Students in ASU's School of Sustainability are rethinking and reinventing the future of a world at risk. The school's programs encourage experiential learning, study abroad, research with faculty, community engagement and leadership development. The knowledge and solutions created today will shape the social and environmental quality of life for future generations.

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world challenges and focus on developing practical solutions and interventions to some of the most pressing environmental, economic and social challenges of sustainability. Students learn to approach challenges with consideration of complex adaptive systems and resilience, interconnections and cascading effects across scales, management of trade-offs, ethics and values, stakeholder engagement, future visioning and scenario typologies for transitioning systems, and other cutting-edge frameworks.

The Bachelor of Arts is geared toward students interested in the social and human aspects of sustainability in global, regional and local contexts such as international development and sustainability, policy and governance in sustainable systems, society and sustainability, and sustainable urban dynamics.

Students may find more information about opportunities within the School of Sustainability at these sites:

Study abroad (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/)
Research (https://schoolofsustainability.asu.edu/student-life/student-research/)
Student clubs and organizations (https://schoolofsustainability.asu.edu/student-life/campus-experience/student-sustainability-clubs-organizations)
Internships (https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities)
Mentorship (https://schoolofsustainability.asu.edu/student-life/mentorship-opportunities)
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** SOS 101 - Intro Appl Math Life & Soc Sci
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Sustainability Solutions, MSUS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.
Transfer Admission Requirements: Transfer students, those with 12 or more transfer credit hours after high school graduation, are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability reviews transfer applications that fall below this GPA level on an individual basis.

**Change of Major Requirements:** ASU students who would like to change their major to sustainability are required to have a minimum cumulative ASU GPA of 3.00, based on at least 12 credit hours of ASU coursework.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-sustainability/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=SUSUSTBA~null + &college=CGF) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The College of Global Futures recommends these programs (https://goglobal.asu.edu/students/major/sustainability) for students majoring in

sustainability.

**Career Opportunities:** Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Of undergraduate alumni who have shared their experiences with the school, 92% are either employed in sectors such as those listed above or have gone on to a graduate program. Of those employed, 66% have jobs directly related to sustainability. Students can seek additional employment data from program alumni by visiting theCollege of Global Futures careers site (https://collegeofglobalfutures.asu.edu/careers/employment-data/).

Those with a Bachelor of Arts in sustainability offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of systems, have engaged in a range of knowledge and experience from different disciplinary perspectives, and understand the importance of planning for the future and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

In addition to going on to graduate school, graduates of the program are qualified for well-paying positions in:

- consultancy
- government
- intergovernmental organizations
- international development
- management
- municipalities
- nongovernmental organizations
- nonprofits
- policymaking enterprises
- regulatory agencies
- utilities

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/undergraduate-degrees/bachelor-of-arts-in-sustainability/
WCPH 4th
cgfadvising@asu.edu
480-727-6963

## Sustainability, BS (SUSUSTBS)

**Campus:** Tempe, Online

**Program Description:** Students in ASU's School of Sustainability are rethinking and reinventing the future of a world at risk. The school's programs encourage experiential learning, study abroad, research with faculty, community engagement and leadership development. The knowledge and solutions that are created today will shape the social and environmental quality of life for future generations.

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world challenges and focus on developing practical solutions and interventions to some of the most pressing environmental, economic and social challenges of sustainability. Students learn to approach challenges with consideration of complex adaptive systems and resilience, interconnections and cascading effects across scales, management of trade-offs, ethics and values, stakeholder engagement, future visioning and scenario typologies for transitioning systems, and other cutting-edge frameworks.

The Bachelor of Science is geared toward students interested in the more quantitative aspects of sustainability, such as those related to energy and materials, economics, and ecology and environmental science.

Students may find more information about opportunities within the School of Sustainability at these sites:

Study Abroad (https://collegeofglobalfutures.asu.edu/student-life/study-abroad/)
Research (https://schoolofsustainability.asu.edu/student-life/student-research/)
Student Clubs and Organizations (https://schoolofsustainability.asu.edu/student-life/student-clubs-and-organizations/)
Internships (https://schoolofsustainability.asu.edu/student-life/internships/)
Mentorship (https://schoolofsustainability.asu.edu/student-life/mentorship-opportunities/)
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** SOS 101 - Intro Appl Math Life & Soc Sci
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Sustainability Solutions, MSUS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: First-year admission requirements for this program are the same as the university's first-year admission requirements.
Transfer Admission Requirements: Transfer students, those with 12 or more transfer credit hours after high school graduation, are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability reviews transfer applications that fall below this GPA level on an individual basis.

**Change of Major Requirements:** ASU students who would like to change their major to sustainability are required to have a minimum cumulative ASU GPA of 3.00, based on at least 12 credit hours of ASU coursework.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-sustainability/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=SUSUSTBS~null + &college=CGF) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The College of Global Futures recommends these programs (https://goglobal.asu.edu/students/major/sustainability) for students majoring in sustainability.

**Career Opportunities:** Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Students can seek additional employment data from our alumni by visiting theCollege of Global Futures careers site (https://collegeofglobalfutures.asu.edu/careers/employment-data/). Of undergraduate alumni who have shared their experiences with the school, 92% are either employed in sectors such as those listed above or have gone on to a graduate program. Of those employed, 66% have jobs directly related to sustainability.

Those with a Bachelor of Science in sustainability offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of systems, have engaged in a range of knowledge and experience from different disciplinary perspectives, and understand the importance of planning for the future and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

In addition to going on to graduate school, graduates of the program are qualified for well paying positions in:

- business
- consultancy
- government and intergovernmental organizations
- international development
- natural resource management (including land, energy, waste and water management)
- nongovernmental organizations and nonprofits
- policymaking enterprises
- regulatory agencies and utilities

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/undergraduate-degrees/bachelor-of-science-in-sustainability/
WCPH 4th
cgfadvising@asu.edu
480-727-6963

## Sustainable Food Systems, BS (SUSFOSYSBS)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, Online

**Program Description:** The BS program in sustainable food systems trains students to understand food-related challenges using a food systems lens which encompasses the many aspects of food and agriculture within an integrated social and environmental context and empowers them to grapple with real-life complexities. Students become effective agents of change.

Coursework covers a wide range of topics, such as nutrition science, agricultural production, economics and social justice. Students are encouraged to select electives that build upon core sustainable food systems coursework.

Students are engaged in an active community collectively working to achieve the 2030 United Nations Sustainable Development Goals. Beyond the core subject matter and skills courses, the degree requirements include an internship, a chosen focus area and a culminating project-based course, all of which provide students in-depth knowledge of a food-related subfield and ample preparation for exciting careers.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** SOS 101 - Intro Appl Math Life & Soc Sci
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Transfer Admission Requirements: Transfer students, those with 12 or more transfer credit hours after high school graduation, are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability reviews transfer applications that fall below this GPA level on an individual basis.

Students with more than 45 transfer credit hours who are not admissible to the School of Sustainability or the second major choice will be contacted to select an appropriate major.

**Change of Major Requirements:** ASU students who would like to change their major to sustainable food systems are required to have a minimum cumulative ASU GPA of 3.00, based on at least 12 credit hours of ASU coursework.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/sustainable-food-systems/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=SUSFOSYSBS~null + &college=CGF) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The School of Sustainability recommends these programs (https://goglobal.asu.edu/students/major/sustainability) for students majoring in sustainable food systems.

**Career Opportunities:** Graduates have a broad understanding of sustainable food systems and are prepared for pursuing careers in areas such as:

- agricultural development, poverty alleviation and emerging markets
- food entrepreneurship and innovation, marketing and agribusiness
- food literacy
- improved public health through food
- managing natural resources for food production
- public policy, governance and grassroots organizing
- sustainable food procurement

From the School of Sustainability's 2021 alumni employment survey, 92% are either employed in sectors such as those listed above or pursuing

continuing education. Of those employed, 66% have jobs directly related to sustainability. Students can seek additional employment data from program alumni by visiting the College of Global Futures careers site (https://collegeofglobalfutures.asu.edu/careers/employment-data/). Because the sustainable food systems program just launched in Fall 2019, the school currently does not have alumni employment data for this specific degree.

**Contact Information:**
Global Futures, College of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-programs/undergraduate-degrees/bachelor-of-science-in-sustainable-food-systems/
WCPH 4th floor
cgfadvising@asu.edu
480-727-6963

# Global Management, Thunderbird School of

## Global Management, BGM (TBTGMBGM)

**Campus:** West, Online

**Program Description:** The BGM program prepares students to take on leadership roles in multinational corporations, government agencies or nongovernmental organizations. Thunderbird's elite faculty and strong relationships with global enterprises allow students to develop and hone the skills needed to thrive as leaders in today's globally interconnected economy. Students gain experience and develop skills that international companies, governments and nonprofit entities value highly in employees.

The program offers two tracks: the international business, language and culture track in which two years of foreign language is required; and the international business and culture track in which there is no foreign language requirement and more emphasis on management-related courses. Students who select the foreign language track may complete coursework in a variety of languages. The international business, language and culture track is offered to on-campus students only. Online students may pursue only the international business and culture track.

Everyone in the program has the opportunity to explore the politics, cultures and economics of different countries around the world while putting the skills they have learned into practice in real-world settings through a required international internship. Although students are strongly encouraged to pursue internships outside their home country, they may also satisfy this requirement by doing a local internship with an international component.

Students often choose to apply their electives toward a minor or certificate offered by another department. This allows the student to specialize in a second area of interest that complements their major. These could include areas such as communications, cyber security, data analytics, digital media, languages, nonprofit leadership, political science, psychology, public relations, risk management, sales and marketing, and sustainability. The minor and certificate search can be found in the online catalog (https://catalog.asu.edu/minors).

Bachelor of Global Management students also complete a senior capstone project that draws on the unique skills they have developed throughout the program. In the capstone project, students work together in consulting teams to provide recommendations for a global organization on a challenge it faces internationally. The internship and the capstone project allow students to demonstrate their skills and work experience for potential employers as part of their professional development plan.

This truly global program provides global career opportunities around the world, global courses taught by outstanding Thunderbird graduate school faculty, and preparation for graduates to thrive in today's complex and dynamic global job market. Thunderbird School of Global Management has produced unique leaders for 75 years, agents of change in every sector who are capable of tackling the world's greatest challenges. The network of alumni, known as T-birds, comprises 45,000 graduates and 170 chapters around the globe.

Thunderbird's Bachelor of Global Management is also offered in a flexible online format. Students should visit the ASU Online website (https://asuonline.asu.edu/online-degree-programs/undergraduate/global-management-bgm/) for more information.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus

master's degree with::

Applied Leadership and Management, MALM
Communication Studies, MA
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
Leadership and Management, MLM
Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Current ASU students who would like to change their major to global management must have a minimum cumulative GPA of 2.00.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/global-management-bgm/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TBTGMBGM~null + &college=CTB) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Demonstrate the ability to explain complex global issues concisely.
- •Demonstrate in-depth knowledge of at least one region of the world.
- •Demonstrate enhanced ability in Global Entrepreneurship.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way people live and work, international experiences have become vital to success in every field of business, especially global management.

Through international study and internships, students gain skills employers value highly, including communication and interpersonal skills, flexibility, motivation and a global perspective on business applications worldwide. Completing their required Thunderbird internship abroad positions students to thrive in leadership roles globally upon graduation.

More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The global economy continues to face volatility and disruption as it expands, contracts and interconnects. Due in part to this, demand for specialists with a global mindset is rapidly increasing.

Graduates of the Bachelor of Global Management program can thrive in leadership roles in the following fields:

- consulting
- entrepreneurship
- foreign service
- global marketing
- human resources

Career opportunities include:

- chief sustainability officer
- compliance manager
- country manager
- foreign service officer
- general manager
- global entrepreneur
- international marketing manager
- international sales manager
- manager of a nonprofit organization
- regulatory affairs manager

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/
FAB N290
ugadvising@thunderbird.asu.edu
602-543-0029

## International Trade, BS (TBINTRABS)

**Campus:** West, Online

**Program Description:** Thunderbird's STEM-designated BS program in international trade provides rigorous training for a career in global commerce.*

The Bachelor of Science in international trade provides talented, driven students with the exposure to the global business environment that will distinguish them in the workforce. Students learn the functional disciplines of international business while gaining an in-depth understanding of the political, cultural and economic aspects of doing business on a global scale and in international markets in which government regulations vary widely from country to country.

Supported by Thunderbird's training that builds a global mindset, students gain tools for managing supply chains, systematically assessing risk, exporting and importing goods and services, and using economic agreements to develop effective strategies for conducting international trade.

This program is unique in allowing students to learn new skills needed for a career in international trade through comprehensive, hands-on training and in applying these skills during a local, national or international internship. Along with real-world learning experiences that open up global career opportunities, students attend courses taught by outstanding Thunderbird graduate school faculty and enjoy unique opportunities to learn from fellow students from around the world.

Graduates of this program possess the intercultural skills and global mindset needed to do business or take on a leadership role in any part of the

world. Employers hire Bachelor of Science in international trade graduates for their proven ability to develop effective strategies for international trade and exporting goods and services.

Thunderbird graduates join a renowned global network of Thunderbird alumni working in all parts of the world, in all industries and sectors. T-birds make a difference everywhere they go, and their careers can take them anywhere.

Thunderbird's Bachelor of Science in International Trade is also offered in a flexible online format. Students should see the ASU Online website (https://asuonline.asu.edu/online-degree-programs/undergraduate/international-trade-bs/) for more information.

*As a bonus for international students, this program meets special F-1 international student status requirements. This means that international students who graduate with the Bachelor of Science in international trade degree qualify for a 24-month extension to their Optional Practical Training in the United States beyond the 12 months already provided to international students in non-STEM degrees.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Leadership and Management, MALM
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
Leadership and Management, MLM
Technology (Management of Technology), MSTech

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Current ASU students who would like to change their major to international trade must have a minimum cumulative GPA of 2.00.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/international-trade-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TBINTRABS~null + &college=CTB) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Demonstrate the ability to explain complex global issues concisely.
- Demonstrate in-depth knowledge of at least one region of the world.
- Demonstrate enhanced knowledge of International Trade.

**Global Opportunities:**
Global Experience: As globalization continues to impact the way people live and work, international experiences have become vital to success in every field of business, especially international trade. Through international study and internships, students gain valuable skills employers are looking for, including communication and interpersonal skills, flexibility, motivation and a global perspective on how international trade functions worldwide. More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** In the increasingly globalized economy, the dramatic expansion of international trade has created tremendous opportunities for global business, and Thunderbird's Bachelor of Science in international trade prepares students for a career in this growing field in which skilled managers are in demand all over the world. Trained negotiators with a strong grasp of economics and politics on an international level are more valuable than ever to employers operating across borders.

Thunderbird's rigorous curriculum and renowned faculty prepare students for a leadership position in a wide range of career fields. Students in this program master a repertoire of globally transferable skills that open doors to an abundance of opportunities such as:

- commodities broker
- compliance manager
- financial risk specialist
- import and export agent
- international business development manager
- international market analyst
- international product or brand manager
- regional manager

**Contact Information:**
Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/
FAB N290
ugadvising@thunderbird.asu.edu
602-543-0029

# Health Solutions, College of

## Applied Science (Food and Nutrition Entrepreneurship), BAS (ECNTRBAS)

**Campus:** Downtown Phoenix, Online

**Program Description:** The BAS degree program with a concentration in food and nutrition entrepreneurship complements and enhances the educational preparation of students holding an AAS degree in culinary or hospitality science, diet technology or sustainable food systems.

The program encompasses important areas of knowledge and skills for future nutrition entrepreneurs and for those continuing in the food industry, whether they intend to innovate within an organization, launch a food- or nutrition-related business or continue into a management role. Key topics include how to develop an online presence supported by evidence-based principles through social media, blogging, podcasting and video; how to launch nutritionally sound startups and businesses; and how to market and manage a business.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available to first-year students.

**Change of Major Requirements:** Only students who have completed an Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/applied-science-nutrition/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRBAS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Communicate evidence-based food and nutrition information and basic food science information in oral and written form.
- •Develop a menu applying knowledge of food and nutrition and utilize leadership and communication skills working in the field.
- •Apply the principles of food management and systems in the provision of food and nutrition services to individuals and organizations.
- •Identify and explain improvements in a culinary workplace using the tenets of food safety.

**Global Opportunities:**
Global Experience: Food is at the center of culture. Studying abroad (https://goglobal.asu.edu/) helps students gain a deeper understanding of how food and culture intertwine, and they learn how to communicate nutritional and sanitary standards to a diverse audience.

Students' resumes are enhanced with the heightened communication, cultural competency and critical thinking skills they acquired through study abroad.

The College of Health Solutions recommends these study abroad programs (https://goglobal.asu.edu/students/major/chs/nutrition) for students majoring in nutrition.

**Career Opportunities:** Graduates are prepared for careers in food production, service, management and marketing. With additional education or professional training, they may also become credentialed as:

- certified dietary managers
- registered sanitarians
- school food service and nutrition specialists

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/ECNTRBAS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Applied Science (Health Sciences), BAS (NUHSCBAS)

**Campus:** Downtown Phoenix, Polytechnic, West, ASU at Yavapai, Online

**Program Description:** The BAS degree program allows students who have an applicable AAS degree from an accredited institution to transfer 60 credit hours toward a bachelor's degree at ASU. The Bachelor of Applied Science program with a concentration in health sciences is for students entering the health and health care workforce at a variety of levels.

Students in the program learn about health care systems and how these systems are financed and structured. Leadership and professionalism are highlighted, along with the role of providers in delivering evidence-based care. Students develop ethical and effective communication skills, analyze today's challenges and develop innovative solutions that prepare them for careers in the health care workforce.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)

International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an AAS degree. This program is not available to first-year students.
Transfer Admission Requirements: The BAS program is specifically for those who have earned an Associate of Applied Science degree from a regionally accredited institution. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. In completing the bachelor's degree program, students fulfill all ASU graduation requirements.

**Change of Major Requirements:** Only students who have earned an Associate of Applied Science are eligible to change their majors to this degree program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-applied-science-health-sciences/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCBAS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With more than 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students in health sciences are able to expand their knowledge of how health care impacts society in a variety of cultures and experience new and unique health environments across the globe. The valuable experience they acquire while studying abroad enhances students' resumes.

More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates can return to their original area of expertise in allied health (i.e., radiology, nuclear imaging) and qualify for a managerial position, be an educator or instructor within their field of expertise, or qualify for a higher-grade position within their current place of employment.

Other career options include positions such as:

- elder services program coordinator
- health and patient educator
- health maintenance organization or insurance company client coach
- Healthy Start coordinator
- home health care coordinator
- long-term care health and wellness coordinator
- school health and program specialist
- Women, Infants, and Children (WIC) and community nutrition aide

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NUHSCBAS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Applied Science (Medical Laboratory Science), BAS (NUMLSBAS)

**Campus:** Downtown Phoenix

**Program Description:** The BAS program with a concentration in medical laboratory sciences provides the academic knowledge and professional skills that enable students to perform analytical tests on blood, tissue and body fluids in order to provide laboratory information for the detection, diagnosis and treatment of human diseases. Students learn to work independently using skills and knowledge that are greater in depth and breadth compared to those of medical laboratory technicians, who typically are graduates of a two-year or community college program.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Science, 5600 N. River Rd, Suite 720, Rosemont, IL 60018, https://www.naacls.org/ (https://www.naacls.org/).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Only students who have been admitted through Phoenix College and who have completed the prerequisite coursework, verified by the program director or program advisor, are eligible to apply to this program. The following requirements are a part of the application process and are included in the separate program application, released to those who are considered eligible during a specified application cycle:
- Gain admission to Phoenix College.

Complete the program application, which should include:
- student information
- coursework
- immunizations
- proof of basic life support or CPR certification
- fingerprint clearance card
- health declaration
- experience in medical laboratory sciences
- employment observation verification
- references
- Review and sign the checklist.

Submit the materials to:

CHS Student Services
Mail Code 9020 ATTN: MDL Program
Arizona State University
500 N 3rd St
Phoenix AZ 85004
- Apply to Arizona State University.

**Change of Major Requirements:** Only students who have completed an Associate of Applied Science degree are eligible to declare a Bachelor of Applied Science major at ASU.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUMLSBAS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information on available programs can be found on the Global Education Office (https://goglobal.asu.edu/) website.

**Career Opportunities:** The graduate with a Bachelor of Applied Science degree in medical laboratory sciences is able to advance their employment opportunities within the fields of medical technology, cytology, clinical laboratory science and related areas.

The Bureau of Labor Statistics reports that overall employment of medical laboratory scientists is projected to grow 11% between 2018 and 2028. This is much faster than the average for most occupations. As the overall population ages, there will be more demand for trained laboratory personnel to aid in the diagnosis of disease and to help manage medical conditions.

The majority of medical laboratory scientists and technologists work in hospital laboratories and major reference laboratories. In addition, there is a growing trend for medical laboratory scientists to perform wellness laboratory testing aimed at preventing disease.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NUMLSBAS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Biomedical Informatics, BS (ESBMIBS)

**Campus:** Downtown Phoenix

**Program Description:** Biomedical informatics is a multidisciplinary field that involves the generation, acquisition, management and analysis of biomedical and health data and the translation of that data into information and knowledge that can be applied toward improving individual and population health.

The BS program in biomedical informatics curriculum includes biomedical informatics, computer science, biology, chemistry, mathematics and statistics. Students learn approaches to acquiring data, learn data management and knowledge representation, learn modeling and machine learning, and they learn to use these capabilities to address problems in the biomedical and health domains. Students have the opportunity to do research alongside faculty who are experts in bioinformatics, imaging informatics, clinical informatics and population health informatics.

Graduates of the program have a broad set of biomedical informatics knowledge and skills, enabling them to contribute to many areas of health and biomedicine in their future work.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biomedical Informatics, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during

the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ESBMIBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Articulate informatics solutions to improve patient care.
- •Implement existing informatics solutions to improve patient care.
- •Analyze large data sets to improve decisions for patient care or population health.
- •Implement informatics solutions to represent and manage biomedical data

**Global Opportunities:**
Global Experience: Students gain valuable experience when studying abroad (https://goglobal.asu.edu/), experience which enhances their resumes. With more than 300 programs available, Global Education programs allow students to tailor their experience to their unique interests and skill sets. Students in biomedical informatics are able to expand their knowledge of how health care systems impact society in a variety of cultures, and they experience new and unique information science and technology environments across the globe.

The College of Health Solutions recommends these programs (https://goglobal.asu.edu/students/major/SEMTE/aerospace-engineering) for students majoring in biomedical informatics.

**Career Opportunities:** Graduates with a degree in the rapidly expanding field of biomedical informatics are prepared for careers in a wide range of settings. They are employed in positions such as data science analysts, bioinformaticians, software engineers, and public health informatics scientists, among others. Those with interests in life sciences and technology may see this program as a unique way to combine the two. Others may find this degree the first step toward medical school or advanced medical research or to continued graduate-level study in biomedical informatics.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/ESBMIBS/undergrad/false/91407
COOR 2nd floor
chs@asu.edu
480-965-2374

## Clinical Exercise Science, BS (ECEXERBS)

**Campus:** Downtown Phoenix

**Program Description:** In the BS in clinical exercise science program, students develop an understanding of how the human body responds to, changes with, and benefits from exercise.

Hands-on laboratory courses with innovative exercise, metabolic and cardiopulmonary equipment provide students with the necessary skills and experience they need to be hired as exercise physiologists in health care settings upon graduation. Students have opportunities to work one-on-one

with faculty.

Upper-division and special topics courses allow students to gain an even deeper understanding in an area of interest such as exercise for chronic and neurological conditions or nutrition for health and performance.

Students gain the knowledge necessary for passing the exercise physiologist certification exam from the American College of Sports Medicine and for pursuing Level 2 Exercise Is Medicine credentialing from the American College of Sports Medicine.

This program is accredited through the Commission on Accreditation of Allied Health Education Programs endorsed by the American College of Sports Medicine.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  117 - College Algebraor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Clinical Exercise Physiology, MS
Physical Activity and Health, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECEXERBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Apply concepts of basic human anatomy and physiology as they relate exercise.
- •Apply mathematical skills related to bioenergetics and exercise intensities.
- •Apply the principles guiding evidence-based practice learned through the appraisal of scientific literature.
- •Create exercise prescriptions for healthy clients and clients with chronic conditions.
- •Apply professional competencies (i.e., job-related skills) commonly required in the fitness industries.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The College of Health Solutions recommends these programs (https://goglobal.asu.edu/students/major/chs/exercise-wellness) for students majoring in clinical exercise science.

**Career Opportunities:** This degree program prepares students to become exercise physiologists, an occupation with a faster than average growth rate, according to the U.S. Bureau of Labor Statistics.

In addition to exercise physiologists, graduates may work as clinical exercise specialists, exercise scientists or weight management consultants, in locations such as:

- cardiac rehabilitation facilities
- corporate wellness firms
- health care agencies and medical centers
- hospitals
- lifestyle and weight management consulting firms
- medical fitness centers
- nonprofit disease prevention agencies (e.g., American Heart Association)
- outpatient fitness centers
- university fitness and wellness centers

Specialty areas may include:

- bariatric weight loss (counseling and pre- or post-surgery fitness training)
- cancer patient exercise specialist
- cardiac rehabilitation
- corporate fitness and worksite wellness
- exercise and weight counseling and management

Graduates are well prepared for admission into graduate programs in clinical exercise physiology, obesity prevention and management, rehabilitative fields (e.g., physical therapy, occupational therapy) and medicine.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/ECEXERBS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Dietetics, BS (NHDIETCSBS)

**Campus:** Downtown Phoenix

**Program Description:** The BS program in dietetics is a required initial step in the education and training of the dietetics professional.

Coursework prepares students to apply for a dietetic internship, which is required in order to sit for the registration exam to become a registered dietitian. In addition to nutrition courses, students complete a broad range of science, management and communication classes.

Beginning Jan. 1, 2024, prior to sitting for the registration exam, students will be required to have a master's degree in addition to completing a dietetic internship. This is a change implemented by the credentialing body for registered dietitians, the Commission on Dietetic Registration, and will be a nationwide requirement. More information can be found on the Academy of Nutrition and Dietetics website at https://www.eatright.org/become-an-rdn-or-ndtr (https://www.eatright.org/become-an-rdn-or-ndtr).

ASU's bachelor's degree program in dietetics is accredited as a Didactic Program in Dietetics by the Accreditation Council for Education in Nutrition and Dietetics, 120 S. Riverside Plz., Ste. 2190, Chicago IL 60606-6995; phone: 800-877-1600, ext. 5400.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Nutritional Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHDIETCSBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Locate, interpret, evaluate and use professional literature to make ethical, evidence-based practice decisions.
- •Demonstrate effective and professional oral and written communication and documentation
- •Use the Nutrition Care Process to make decisions, identify nutrition-related problems and determine and evaluate nutrition interventions.
- •Apply management theories to the development of programs or services.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The College of Health Solutions recommends these programs (https://goglobal.asu.edu/students/major/chs/nutrition-dietetics) for students majoring in dietetics.

**Career Opportunities:** The nutrition and dietetics field provides employment opportunities in a variety of areas:

- client consultation, including for diabetes management or weight loss education
- food and nutrition industry
- food and nutrition marketing and sales
- nutrition and health promotion
- school food service

Graduates may find opportunities in environments such as hospitals and other health care facilities or public health agencies.

Most with this degree pursue further education and careers such as:

- dietetic technician, registered
- registered dietitian or nutritionist
- school nutrition specialist

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHDIETCSBS/undergrad/false/91407
HLTHN 4th
chs@asu.edu
602-496-3300

## Exercise and Wellness (Fitness and Wellness Specialist), BS (ECEXWBS)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Interested students should apply to the BS program in clinical exercise science (https://degrees.apps.asu.edu/bachelors/major/ASU00/ECEXERBS/clinical-exercise-science).
**Program Description:** The BS program in exercise and wellness provides students with the knowledge and practical skills necessary for assisting individuals in reaching optimal health.

The program consists of a carefully designed curriculum emphasizing:

- competency in the instruction of basic and advanced techniques related to flexibility, resistance training and cardiovascular exercise
- competencies required to attain advanced-level certifications from professional associations in the field
- foundational knowledge of exercise physiology and applied kinesiology
- methods to understand and help improve individuals with regard to their health behavior choices
- skills in assessing and interviewing clients in preparation for fitness and wellness programming
- skills in designing and manipulating program variables to work with apparently healthy or symptomatic individuals

Students in the exercise and wellness degree program also have the option to enroll in courses that will enhance their abilities to work with high performance athletes, obese individuals or those at risk for suffering from other hypokinetic diseases.

Those who complete the program are prepared for pursuing nationally recognized and credentialed certifications provided by professional organizations in fields of study related to physical activity, strength and conditioning, or exercise physiology. With the addition of the prerequisite courses, they also are well prepared for continuing into graduate programs that are required for careers in physical therapy, occupational therapy, athletic training or other medical fields.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  117 - College Algebraor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECEXWBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Employment of fitness and wellness professionals is expected to grow by up to 39% from 2020 to 2030 --- much faster than other occupations --- driven by efforts to reduce health care costs by teaching people about healthy behaviors. The need for exercise and wellness programming and facilities increases the need for workers in these areas.

Those who have earned the exercise and wellness degree have enhanced opportunities in fitness and wellness employment settings because clients and employers prefer to work with people who are more highly prepared and qualified.

Graduates of this concentration often pursue careers in such fields as:

- clinical exercise
- corporate fitness
- fitness management
- personal training
- sports performance
- wellness center management

Graduates may also pursue further graduate study in such fields as:

- athletic training*
- cardiac rehabilitation*
- occupational therapy*
- physical therapy*
- physician assistant*

*Advanced degrees or certifications may be required for academic or clinical positions.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
chs@asu.edu
602-496-3300

## Exercise and Wellness (Strength and Conditioning Specialist), BS (NHEXWSCBS)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Interested students should apply to the BS in clinical exercise science (https://degrees.apps.asu.edu/bachelors/major/ASU00/ECEXERBS/clinical-exercise-science).

**Program Description:** The strength and conditioning specialist concentration is designed for students who want to work with active or athletic populations, including sport and tactical occupations. These students may work with high school, college or professional sports organizations in scholastic or private sports performance training facilities, with tactical sports performance clients (e.g., military, police, firefighters, EMT) in municipal or government-run facilities or with individual clients participating in more active, higher intensity-based fitness programs.

Students in this concentration are exposed to applied assessment labs and practical fieldwork to gain the knowledge they will need to be competent coaches in this field.

Graduates are prepared to sit for the Certified Strength and Conditioning Specialist or the Tactical Strength and Conditioning-Facilitator examinations offered by the National Strength and Conditioning Association (https://www.nsca.com (https://www.nsca.com)) at the completion of their coursework. Students interested in careers in the field of sports medicine (athletic trainers, sports physical therapists, orthopedic surgeons, etc.) may also benefit from the coursework to provide an understanding of the training programs that accompany sports participation.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebraor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHEXWSCBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Many graduates of this program go onto careers which include:

- athletic trainer*
- fitness center director
- group exercise specialist
- personal trainer
- physical therapist*
- physical therapy technician
- sports performance coach
- sports performance director
- sports scout
- tactical performance coach

*Additional prerequisites and postgraduate degrees are required.

**Contact Information:**
Health Solutions, College of

INACTIVE School of Nutrition and Health Promotion
https://chs.asu.edu/bachelors-degrees/majorinfo/ECEXERBS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-2644

## Food and Nutrition Entrepreneurship, BS (NHFNUENBS)

**Campus:** Downtown Phoenix, Online

**Program Description:** The BS program in food and nutrition entrepreneurship provides students with the knowledge and skills that allow them to move into a range of employment opportunities in community nutrition or food service industries or continue their education in a dietetics-focused graduate program.

Students first learn about the body and chemistry, then progress into food chemistry and how food fuels our body. At a community and global level, students also can explore food access and sustainability. Once the basics are understood, students develop skills in evidence-based research, recipe development, communication in multiple formats, marketing, nutrition counseling and leadership. With these skills, students can develop innovative solutions to the health concerns across our population.

Students choose focus area courses in community nutrition, food service operations or pre-dietetics.

Students focusing on pre-dietetics will be eligible to apply to a graduate program in dietetics that will prepare them to take the registered dietitian exam.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsAny math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/food-and-nutrition-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHFNUENBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Communicate evidence-based food and nutrition information and basic food science information in oral and written form.
- •Identify and explain improvements in a culinary workplace using the tenets of food safety.
- •Apply the principles of food management and systems in the provision of food and nutrition services to individuals and organizations.
- •Develop a menu applying knowledge of food and nutrition and utilize leadership and communication skills working in the field.

**Global Opportunities:**
Global Experience: With more than 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared for careers in the delivery of products and services, research and development, management of food service and sustainable food systems, and in nutrition and health communication and promotion. They also have capabilities to launch startups and businesses focused on individual practice, consulting and new product and service development.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHFNUENBS/undergrad/false/91407
HLTHN 401AA
CHS@asu.edu
602-496-3300

## Health Care Administration and Policy, BS (NHHCDBS)

**Campus:** Downtown Phoenix, Online

**Program Description:** The health care administration and policy bachelor's program studies the design of health care systems, processes, leadership and management. This knowledge can be used to optimize how health care is delivered to improve health for all.

The BS in health care administration and policy provides undergraduate students foundational knowledge of health care administration and health policy grounded in concepts of leadership, social determinants of health, informatics, systems engineering and economics. Faculty are multidisciplinary tenure-track and clinically trained professionals who work together to create, teach and share knowledge.

Graduates of this program are academically prepared, well-rounded and adept in skills necessary for a number of exciting careers in health care administration, policy making and management.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-care-admin-policy/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHHCDBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying health care administration and policy abroad (https://goglobal.asu.edu/) provides students the opportunity to develop valuable skill sets. Being exposed to unique health environments, learning culturally specific health approaches, and improving intercultural communication skills help prepare students to lead, giving them an advantage in their professional career.

The College of Health Solutions recommends these study abroad programs (https://goglobal.asu.edu/students/major/chs/science-health-care-delivery) for students majoring in health care administration and policy.

**Career Opportunities:** Job areas may include entry-level positions in health care administration, hospital administration, program management, policy, advocacy, system design, quality improvement and health services research. Opportunities may include positions in hospital systems, physician practices and clinics, patient navigation, the pharmaceutical industry, insurance companies, government and regulatory agencies, and health research organizations.

Graduates may pursue further education through graduate programs in areas such as health care delivery, administration and management.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/degree-programs/health-care-systems
HLTHN 401AA
CHS@asu.edu
602-496-3300

## Health Education and Health Promotion, BS (NHHEHPBS)

**Campus:** Downtown Phoenix, Online

**Program Description:** In the BS in health education and health promotion program, students learn how to improve health outcomes and prevent chronic and infectious disease. They develop understanding in how to help communities advocate for healthier environments and champion health equity. Students learn to plan, implement, manage and evaluate health promotion programs.

Students can specialize their knowledge in areas like diabetes prevention, sexual health, climate and health, HIV and substance abuse prevention, emergency preparedness, social media and health, body image and wellness, school health and violence prevention.

Once students graduate, they are eligible to sit for the certified health education specialist exam through the National Commission for Health Education Credentialing (https://www.nchec.org/ (https://www.nchec.org/)). This is a globally recognized credential for health professionals. The

health education and health promotion program rigorously prepares students for the CHES exam.

Graduates become catalysts for improving community and individual well-being through health education and promotion.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-education-and-health-promotion/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHHEHPBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** Employment of health educators is expected to grow much faster than the average for all professions, with the U.S. Department of Labor predicting a 17% increase in the field between 2020 and 2030. The need for health education specialists, or health educators, has never been more critical than it is today.

Health education specialists can work with non-profit organizations, tribal nations, schools, hospitals, clinics, businesses and government agencies.

Common job titles include:

- community health educator
- community outreach coordinator
- wellness coordinator
- prevention specialist

Graduates can hold an assortment of roles, such as lactation consultants, diabetes educators, cancer information specialists and grant writers.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHHEHPBS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Health Sciences, BS (NHHSCBS)

**Campus:** Downtown Phoenix, Polytechnic, West, Online

**Program Description:** In the BS program in health sciences, students learn about health care systems and how systems are financed and structured. Leadership and professionalism are highlighted along with the role of providers in delivering evidence-based care. Ethical and effective communication skills are also developed. Today's challenges are analyzed, leading graduates to develop innovative solutions.

Students choose focus areas in community-based health outcomes; health legislation and regulation; integrated care; or language, speech and communication.

A limited number of students each year may apply to pursue the echocardiography certificate through Mayo Clinic after taking prerequisite courses. Once the certificate is completed, students may transfer the credits to ASU and apply credits toward their Bachelor of Science program in health sciences. Interested students should seek advising before starting coursework.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/health-sciences-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHHSCBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) provides health sciences students the opportunity to develop a valuable skill set such as flexibility and communication skills that can give them an advantage in their professional career. Personal enrichment can be gained through exposure to unique health environments, learning culturally specific health approaches, and much more.

The College of Health Solutions recommends these programs (https://goglobal.asu.edu/students/major/chs/exercise-wellness) for students majoring in health science.

**Career Opportunities:** Graduates are prepared to prepared to continue their education in graduate or professional school or to enter the health field or health care workforce, in any of a variety of capacities including indirect and direct patient and community care roles.

The range of career opportunities include:

- elder services program coordinator
- health and patient educator
- health maintenance organization or insurance company client coach
- Healthy Start coordinator
- home health care coordinator
- long-term care health and wellness coordinator
- school health and program specialist
- Women, Infants and Children (WIC) and community nutrition aide

Graduates also may choose to pursue advanced degree programs in various discipline-specific medical fields.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHHSCBS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Health Sciences (Health Policy), BS (NUHSCHPBS)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Interested students should apply to the BS in health care administration and policy (https://degrees.apps.asu.edu/bachelors/major/ASU00/NHHCDBS/health-care-administration-and-policy) or the BS in health sciences (https://degrees.apps.asu.edu/bachelors/major/ASU00/NHHSCBS/health-sciences).
**Program Description:** The BS program in health sciences is designed to provide the academic knowledge and skills that allow students to move directly into a range of employment opportunities within the health field or to continue their education in discipline-specific programs.

Students complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness.

The health policy program is designed for students interested in the community policy aspects of disease prevention and health promotion. The continuum of health care now spans a diverse array of health providers ranging from private practitioner offices and outpatient care centers to residential care facilities and acute care hospitals. Key to the enhancement of health care within the U.S. is the development and implementation of innovative, cost-effective and universally accessible programs.

Students in this concentration are required to complete a supervised practicum, providing hands-on experience within their field of interest. Students may also wish to consider using their electives to complete a minor in nonprofit administration, which requires 15 credit hours.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The Downtown campus is available to all students who meet university admission standards.

The West campus is only available to students who will be first-time freshmen, defined as those who have earned 12 college credit hours or fewer at the time of admission.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCHPBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Career opportunities are available in city, county and state departments of health, with additional employment opportunities in the health insurance industry, nonprofit sector and within various corporate entities providing health care.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
chs@asu.edu
602-496-3300

## Health Sciences (Healthy Lifestyles and Fitness Science), BS (NUHSCHLCBS)

**Campus:** Downtown Phoenix, Online

**Program Description:** The BS program in health sciences with a concentration in healthy lifestyles and fitness science provides students with skills for employment in health, wellness and fitness fields or for continuing their education in graduate and professional school.

Students study disciplines such as nutrition, fitness, stress management, substance abuse, behavior change and coaching psychology and train for work in preventive health care. They learn how to use lifestyle coaching, physical activity and health care education to improve community health and how to address the challenges reflected by socio-economic determinants of health.

This program supports successful completion for nationally accredited certification in health and fitness, such as American College of Sports Medicine's certification for personal trainers: https://www.acsm.org/ (https://www.acsm.org/). Students who complete this degree and one additional course are eligible for national certification for health and wellness coaches offered by the National Board for Health and Wellness Coaches: https://nbhwc.org/ (https://nbhwc.org/).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsAny math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-sciences-healthy-lifestyles-coaching/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCHLCBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Develop a comprehensive health and wellness coaching plan.
- •Apply evidence-based health and wellness coaching competencies to build a coaching relationship, and guide clients through enriched support for self-awareness and self-discovery.
- •Implement health and wellness evidence-based interventions and strategies to elicit positive changes in individuals within the general population.
- •Utilize their health coaching skills within the coaching scope of practice following ethical and legal requirements.
- •Utilize evidence-based physical activity programs with appropriate volume and intensity of exercise to elicit positive health changes in individuals within the general population.

**Global Opportunities:**
Global Experience: Studying abroad (https://goglobal.asu.edu/) provides students majoring in health sciences the opportunity to develop valuable skill sets that can give them an advantage in their professional career, like flexibility and communication skills. Personal enrichment can be gained through exposure to unique health environments, learning culturally specific healthy lifestyle approaches and much more.

**Career Opportunities:** According to the U.S. Bureau of Labor Statistics, employment for health coaches and health educators is projected to grow 17% between 2020 and 2030, faster than the average for all occupations. Growth is driven by efforts to improve health outcomes and reduce health

care costs by teaching people about healthy habits and behaviors and utilization of available health care services.

Health, wellness and fitness coaches work in hospitals and health care facilities, schools, public health departments, nonprofit organizations, prevention agencies (e.g., American Heart Association), lifestyle and weight management consulting firms, outpatient fitness centers, university fitness and wellness centers, and private businesses.

Specialty areas may include:

- bariatric weight loss clinic counseling and management
- corporate fitness and worksite wellness

Career options include positions such as:

- corporate wellness coordinator
- fitness center director
- group exercise specialist
- health and patient educator
- personal trainer
- school health and nutrition program specialist
- Women, Infants, and Children program and community nutrition aide
- worksite wellness coach or coordinator

Graduates are also well prepared for admission into graduate programs in health promotion, population health, lifestyle management, integrative health, health administration, psychology and medicine.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NUHSCHLCBS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Health Sciences (Pre-professional), BS (NUHSCPREBS)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Interested students should apply to the BS in medical studies (https://degrees.apps.asu.edu/bachelors/major/ASU00/NHMEDBS/medical-studies).
**Program Description:** The BS program in health sciences is designed to provide students the academic knowledge and skills they need to move directly into a range of employment opportunities within the health field or to continue their education in discipline-specific programs.

The preprofessional program is designed for students planning to enter medical, dental, osteopathic, physical therapy, veterinary, pharmacy and similar professional schools. In addition to a comprehensive core of basic science courses, the concentration is unique in that it provides a solid base in ethics; communication; the evaluation of research (the cornerstone of evidence-based practice); and healthy lifestyles (the foundation of health promotion and chronic disease risk reduction avenues of health care), including the role of complementary and alternative care within the U.S. health care system. Students have the ability to incorporate electives that contribute to their knowledge of and sensitivity to the needs of populations impacted by health disparities.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHSCPREBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates are prepared for entrance into an advanced degree program in the medical field. Their immediate employment opportunities include:

- clinical research coordinator
- health officer
- sales and marketing representative (pharmaceutical or medical device companies)

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
chs@asu.edu
602-496-3300

## International Public Health, BIPH (NHIPHBIPH)

**Campus:** Online

**Program Description:** The BIPH builds and strengthens the international public health workforce using coursework from two leading universities: ASU and the University of New South Wales in Sydney, Australia.

Aligned with U.S. accreditation standards in public health, the Bachelor of International Public Health program teaches new approaches to public health issues, including health promotion, communicable disease prevention, environmental health, public health surveillance and global health management. Students develop a holistic, equitable, ethical and sustainable approach to public health practice, collaborating with diverse stakeholders to develop and implement strategies to ensure health for all.

In their final year, students complete a research-based capstone experience in their area of interest, which prepares them for their career of choice. Students use this opportunity to develop and implement public health research and interventions with community-based organizations throughout the world.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-international-public-health/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHIPHBIPH~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
PLuS Alliance: The PLuS Alliance partnership combines the strengths of three leading research universities from three continents to create and share knowledge that will solve pressing educational and societal challenges.

Students have the opportunity to engage with peers and specialists across the globe through PLuS-partner courses offered online. Through this PLuS Alliance collaborative degree program, students develop transferable global competencies and gain exposure to international teaching and academic content. https://www.plusalliance.org/ (http://www.plusalliance.org/)
Global Experience: International public health students have the opportunity to gain exposure to culturally specific health approaches and community-based opportunities and to learn about unique health environments and differences in human condition worldwide through study abroad.

With more than 300 options available, whether in a foreign country, in the U.S. or online, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets.

The College of Health Solutions recommends these study abroad programs (https://chs.asu.edu/student-life/study-abroad) for students majoring in international public health.

**Career Opportunities:** The most recent report of the United Nations High-Level Commission on Health Employment and Economic Growth described the importance of a global workforce that will support the creation of 40 million new jobs by 2030, particularly in low- and middle-income countries. Critical needs include global health policy, data and informatics, quality and process improvement, ethics, economics and community-based care.

Specific career titles include:

- education coordinator
- health coach
- program coordinator
- program manager
- program officer
- project analyst
- research associate
- public health scientist

Commonly cited hiring organizations include the Peace Corps, the United States Agency for International Development, the Centers for Disease Control and Prevention, the United Nations Children's Fund, other nongovernmental organizations, and state and federal agencies.

**Contact Information:**
Health Solutions, College of

College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHIPHBIPH/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Kinesiology, BS (NUKINBS)

**Campus:** Downtown Phoenix, ASU at Lake Havasu

**Program Description:** A BS in kinesiology provides students with a deep understanding of how the human body works.

In kinesiology, all aspects of human function are studied from the perspective of human movement. The rigorous curriculum provides a scientifically inclusive approach to human movement; students study mechanical, anatomical, neural, developmental, physiological and psychological mechanisms. This gives students a well-rounded understanding of all aspects of human function as it pertains to movement and exercise.

Students have opportunities to work one-on-one with faculty on research projects, in labs, as teaching assistants, or other independent study experiences.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Clinical Exercise Physiology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUKINBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Apply biomechanical principles to the understanding and explanation of human movement.
- Demonstrate the ability to synthesize data to make evidence based practice decisions.

•Apply psychological principles to the understanding and explanation of human movement
•Apply principles of motor behavior to the understanding and explanation of human movement.
•Apply physiological principles to the understanding and explanation of human movement

**Global Opportunities:**
Global Experience: Professional health education is competitive. Less than 50% of the students who apply to medical schools are admitted. There are four applicants for every one seat in physician assistant programs. Medical and professional school admissions increasingly focus on students with dedication to community service, so engaging in community activities and research abroad will help any student who plans a career in a health field to create a diverse, accomplished portfolio.

Kinesiology students gain cultural competency, language skills and vital leadership experience while studying abroad. Global Education programs (https://goglobal.asu.edu/) provide the chance to experience unique health environments, practice alternative approaches to health care, and witness the human condition in a global context. Opportunities also exist for hands-on research and community-based service, which can prepare students' to lead in a future-focused career.

The College of Health Solutions recommends these programs (https://goglobal.asu.edu/students/major/chs/kinesiology) for students majoring in kinesiology.

**Career Opportunities:** An undergraduate degree in kinesiology prepares students for graduate study that can lead to a variety of clinical and research occupations including:

- allopathic, osteopathic or naturopathic physician
- athletic trainer
- biomechanist
- chiropractor
- clinical exercise physiologist
- occupational therapist
- orthopedic surgeon
- physical therapist
- physician assistant
- prosthetist or orthotist

The program prepares students for graduate study in physical or occupational therapy, physician assistant programs, medicine and other health-related professional programs.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NUKINBS/undergrad/false/91407
HLTHN 401AA
CHS@asu.edu
602-496-3300

## Medical Studies, BS (NHMEDBS)

**Campus:** Downtown Phoenix, Polytechnic, West, Online

**Program Description:** The BS program in medical studies provides students with the opportunity to meet the prerequisites for medical and professional school, including medicine (MD, DO and naturopathic), dentistry, physician assistant programs, pharmacy, occupational therapy, optometry and others, and prepares the student for required postgraduate entrance exams, including the revised MCAT.

Students can customize the medical studies degree to meet the prerequisites of the health professions programs for which they intend to apply. Students have the opportunity to learn directly from health care providers who are currently practicing in the field, and they can select clinically related internships or electives during their junior year.

This degree program integrates communication, ethics, critical thinking, teamwork and leadership, all of which are essential competencies for members of today's health care teams.

Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with the BS in biological sciences, including the following concentrations: biomedical sciences; genetics, cell and developmental biology; and neurobiology, physiology and behavior. Students should speak with their academic advisor for any further questions.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/medical-studies-bs-premed/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHMEDBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Professional health education is competitive. Fewer than half of students who apply to medical schools are admitted. There are four applicants for every one seat in physician assistant programs. Medical and professional school admissions increasingly focus on students with dedication to community service, so engaging in community activities and research abroad will help any student attempting a health career to create a diverse, accomplished portfolio.

Students pursuing medical studies who study abroad can advance their cultural awareness, medical experience and global health understanding. Global Education programs (https://goglobal.asu.edu/) expand a student's knowledge of culturally specific health approaches while helping them develop strategies to adapt to unique social circumstances. Study abroad is a chance to fine-tune communication, critical thinking and leadership capabilities while taking advantage of opportunities for research, internships and service.

The College of Health Solutions recommends these programs (https://goglobal.asu.edu/students/major/chs/medical-studies) for students majoring in medical studies.

**Career Opportunities:** Graduates are academically prepared, well rounded, and adept in skills for a number of exciting careers in the allied health fields, dentistry, medicine, education, government, health care industries, and nonprofit organizations.

Positions could include:

- community health worker
- project coordinator
- research assistant
- sales or marketing representative (e.g., medical device or pharmaceutical industry)

They also are well prepared to pursue postgraduate health degrees, resulting in a career as a:

- chiropractor
- dentist
- naturopathic physician
- optometrist
- pharmacist
- physician
- physician assistant
- podiatrist
- public health professional

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHMEDBS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Nutrition, BS (NHNTRBS)

**Campus:** Downtown Phoenix, Online
ASU is no longer accepting new students to this program. Students interested in nutrition should apply to the Food and Nutrition Entrepreneurship BS (https://degrees.apps.asu.edu/bachelors/major/ASU00/NHFNUENBS/food-and-nutrition-entrepreneurship) program.
**Program Description:** The BS in nutrition program includes exploration of important emerging topics, including developing an evidence-based online presence through social media, blogging and podcasting; creating stand-alone businesses in nutrition, such as individual practices and consulting programs; and entrepreneurship in the food industry through development of new products and services.

Experiential learning is integrated into the program's curriculum; students have opportunities to work with external stakeholders and community partners specializing in food and nutrition entrepreneurship to gain real-world experience, develop professional relationships and establish a foundation and direction for their future careers.

This program prepares students to work in the expanding field of food and nutrition related entrepreneurial ventures and program initiatives. Graduates are poised to meet within food and nutrition industries the demand for the application of valid nutritional concepts.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nutrition/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use

MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHNTRBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: In the field of nutrition, study abroad (https://goglobal.asu.edu/) can expose students to unique health environments and expand students' knowledge of culturally specific health approaches. Students gain a deeper understanding of how food and culture intertwine and how to communicate nutritional and sanitary standards to a diverse audience. Students' resumes are enhanced with the heightened communication, cultural competency and critical thinking skills they acquired through study abroad.

The College of Health Solutions recommends these study abroad programs (https://goglobal.asu.edu/students/major/chs/nutrition) for students majoring in nutrition.

**Career Opportunities:** Nutrition graduates are prepared for careers within companies looking to innovate, in the delivery of products and services, in research and development, in management of food service and sustainable food systems, and in nutrition and health communication and promotion. They have the capabilities to launch startups and businesses focused on individual practice, consulting, and new product and service development. There are a wide array of career opportunities available for graduates of this program.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
chs@asu.edu
602-496-3300

## Nutrition (Dietetics), BS (ECNTRDBS)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Interested students should apply to the BS in dietetics (https://degrees.apps.asu.edu/bachelors/major/ASU00/NHDIETCSBS/dietetics).
**Program Description:** The BS in nutrition with a concentration in dietetics prepares students with the required coursework and skills they need in order to apply for a dietetic internship, which is required before they can sit for the registration exam to become a registered dietitian, which is a food and nutrition expert. In addition to a core of professional nutrition courses, students complete a broad range of science, management and communication classes. The program emphasizes the application of nutrition within clinical, community, food production and wellness areas.

More information about this credential and the requirements for this credential can be found at https://www.eatrightpro.org/acend (https://www.eatrightpro.org/acend).

ASU's bachelor's degree program in nutrition with a concentration in dietetics is accredited as a Didactic Program in Dietetics by the Accreditation Council for Education in Nutrition and Dietetics, 120 S. Riverside Plz., Ste. 2190, Chicago IL 60606-6995, phone: 800-877-1600, ext. 5400.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRDBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) can expose students in the field of nutrition to unique health environments and expand their knowledge of culturally specific health approaches. Students gain a deeper understanding of how food and culture intertwine, and they learn how to communicate nutritional and sanitary standards to a diverse audience. Students enhance their resumes with the heightened communication, cultural competency and critical thinking skills they acquired through study abroad.

The College of Health Solutions recommends the following study abroad programs (https://goglobal.asu.edu/students/major/chs/nutrition-dietetics) for students majoring in nutrition with a concentration in dietetics.

**Career Opportunities:** The nutrition and dietetics field provides employment opportunities in fields such as:

- consulting
- education
- food and nutrition marketing and sales
- nutrition and health promotion
- school food service

Graduates may find opportunities in environments such as:

- hospitals and other health care facilities
- public health agencies

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
chs@asu.edu
602-496-3300

## Nutrition (Food and Nutrition Management), BS (ECNTRMBS)

**Campus:** Downtown Phoenix, Online
ASU is no longer accepting new students to this program. Students interested in this program should apply to the BS in food and nutrition entrepreneurship (https://degrees.apps.asu.edu/bachelors/major/ASU00/NHFNUENBS/food-and-nutrition-entrepreneurship).
**Program Description:** The BS program in nutrition with a concentration in food and nutrition management provides students with the ability to apply nutrition principles to food production. This concentration is designed to provide students with an understanding of the food industry and teach them how to manage and market food and develop a food or menu that meets a specific nutritional guideline.

Coursework focuses on a strong foundation in food purchasing, production and planning. Additional coursework in management, marketing and nutrition prepares students for a variety of food service positions. Graduates can also pursue the credentials of certified dietary manager, school nutrition specialist or registered sanitarian.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRMBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The College of Health Solutions recommends these study abroad programs (https://goglobal.asu.edu/students/major/chs/nutrition) for students majoring in nutrition.

**Career Opportunities:** According to the Bureau of Labor Statistics, the number of food service managers is projected to increase by 15% between 2020 and 2030, faster than the average for all occupations.

Graduates are prepared to become food service directors at schools, health care facilities, and corporate food service operations and to own restaurants or nutrition-related businesses, work in supplement or pharmaceutical sales, or work in food marketing and distribution.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
chs@asu.edu
602-496-3300

## Nutrition (Human Nutrition), BS (ECNTRHBS)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Students interested in this program should apply to the Nutritional Science, BS (https://degrees-qa.apps.asu.edu/bachelors/major/ASU00/NHNUSCIBS/nutritional-science).
**Program Description:** The BS program in nutrition with a concentration in human nutrition provides students with a strong foundation in nutrition and science that prepares them for careers in public or community health programs and clinical or graduate research programs.

In addition to providing a strong foundation in medical nutrition therapy, the coursework includes anatomy, physiology, chemistry and microbiology. Students gain knowledge of nutritional concepts that health care professionals sometimes lack.

Students from this program have gone on to study:

- dentistry
- medicine
- naturopathic medicine
- optometry and podiatry
- osteopathic medicine
- pharmacy

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRHBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: In the field of nutrition, study abroad can expose students to unique health environments and expand their knowledge of culturally specific health approaches. Students gain a deeper understanding of how food and culture intertwine and how to communicate nutritional and sanitary standards to a diverse audience.

Students enhance their resumes with the heightened communication, cultural competency and critical thinking skills they acquired through study abroad (https://goglobal.asu.edu/).

The College of Health Solutions recommends these study abroad programs (https://goglobal.asu.edu/students/major/chs/nutrition) for students majoring in nutrition.

**Career Opportunities:** The nutrition field provides employment opportunities in:

- education
- food and nutrition marketing and sales
- food service
- health care
- nutrition and health promotion and consulting
- public health

Graduates of the human nutrition program often go on to apply to medical school or another health profession. The area of nutrition research is also a good fit for human nutrition majors.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
chs@asu.edu
602-496-3300

## Nutrition (Nutrition Communication), BS (ECNTRCBS)

**Campus:** Downtown Phoenix, Online
ASU is no longer accepting new students to this program. Students interested in this program should apply to the BS in food and nutrition entrepreneurship (https://degrees.apps.asu.edu/bachelors/major/ASU00/NHFNUENBS/food-and-nutrition-entrepreneurship).
**Program Description:** The BS in nutrition with a concentration in nutrition communication is designed to help students become experts in communicating health and nutrition content. This concentration was originally developed in collaboration with the Walter Cronkite School of Journalism and Mass Communication.

Nutrition courses provide the content for articles students write in their communication-related classes. This degree program provides students with

a strong understanding of the scientific method, statistics, nutrition, health care and wellness that many traditional journalists lack. Faculty members teach students how to avoid sensationalism and how to avoid sacrificing reality to get a better story.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECNTRCBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The College of Health Solutions recommends these study abroad programs (https://goglobal.asu.edu/students/major/chs/nutrition) for students majoring in nutrition.

**Career Opportunities:** The nutrition communication field offers employment opportunities with:

- community and health care agencies
- magazines
- newspapers
- private corporations (public relations firms)
- web-based companies

With this degree, graduates can pursue careers as:

- authors
- consultants in program or product development
- freelance writers for newspapers and magazines
- public relations representatives for food and beverage companies

**Contact Information:**

Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/
HLTHN 401AA
chs@asu.edu
602-496-3300

## Nutritional Science, BS (NHNUSCIBS)

**Campus:** Downtown Phoenix

**Program Description:** The BS program in nutritional science provides students with a strong foundation in nutrition, biological sciences, research methods, and prevention and treatment of health conditions. With two different tracks, nutrition research or integrative nutrition, this program prepares students for careers in a variety of fields.

The integrative nutrition track establishes a strong basis in evidence-based nutrition practices, nutritional interventions across the human lifespan, and both individualized and community approaches to improving human health. The track prepares students for careers in a variety of health care settings including naturopathic medicine.

With the nutrition research track, students can expect to engage in coursework that integrates evidence-based nutrition with anatomy, physiology, chemistry and microbiology to prepare them for clinical or graduate research programs and careers in research. This track allows students to work alongside faculty while gaining hands-on experience in nutrition research.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College AlgebraOR MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHNUSCIBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Students will be able to interpret scientific literature to make evidence-based conclusions for the general public.
- Students will be able to assess clinical and scientific data to make individual and community intervention or research implementation decisions.
- Students will communicate food and nutrition information by reflecting on information and evaluating ethics of different approaches.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career.

Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The College of Health Solutions recommends these programs (https://goglobal.asu.edu/students/major/chs/nutrition) for students majoring in nutritional science

**Career Opportunities:** Students from this program can find job opportunities in clinical and life sciences research, allopathic, osteopathic and naturopathic medicine, molecular and cellular biology, industry research and development, dentistry and pharmacy.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHNUSCIBS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
602-496-3300

## Population Health, BS (NHPOPHLBS)

**Campus:** Downtown Phoenix, West
ASU is not accepting applications for this program, effective Spring 2024. Interested students should apply to the Public Health BS (https://degrees.apps.asu.edu/bachelors/major/ASU00/NHPBHBS/public-health) program.
**Program Description:** In the BS in population health program, students learn how social determinants of health, access to care, and infrastructure influence the health of defined groups. They also gain understanding of how community and professional stakeholders work across systems to improve health.

The multidisciplinary program features many modes of learning to enable and empower students. One is experiential learning, including student engagement as citizen scientists, to better understand population health. The program provides training in biomedical informatics, economics, social determinants of health, program and community assessment, program planning and health care delivery. This education leaves graduates well equipped to enter a growing field.

In the program, students can choose a track tailored to their professional interests. This allows them to customize their learning by focusing on health care compliance, health education, environmental systems, health systems design and improvement, or health informatics.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHPOPHLBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students wishing to gain a global perspective and knowledge in preparation for their career.

Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Multiple career opportunities exist for graduates with a degree in population health, depending on the areas of expertise that they developed via core training in population health and the track that they pursued. Those who pursued the biomedical information track, for example, are most qualified for positions that require working with a variety of datasets, while those who chose the health education specialist track are trained to work at the interface of health care and public health.

Specific job titles that currently exist for those trained in population health include:

- community health worker
- health care data analyst
- program coordinator
- population health analyst, coordinator or specialist
- population health practice liaison for population outreach
- research assistant

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHPOPHLBS/undergrad/false/91407
HLTHN 4th
chs@asu.edu
602-496-3300

## Public Health, BS (NHPBHBS)

**Campus:** Downtown Phoenix

**Program Description:** Public health is the practice of preventing disease and promoting good health within groups of people in communities or countries. The BS program in public health educates students through courses that focus on the five pillars of the field: epidemiology, environmental health, health administration, biostatistics, and health promotion and education.

While in the program, students undertake an internship that gives them practical experience in the public health workforce.

The Bachelor of Science in public health pairs well with the health education specialist certificate, the health care policy and delivery certificate, and the hospice and palliative care certificate, each offered by the College of Health Solutions.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHPBHBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad is important for future success in the public health field. Exposure to unique health environments expands students' cultural competencies and worldviews and eliminates bias, and students can enhance their portfolio of experience through hands-on research, all of which gives them an advantage in their field.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. Whether in a foreign country, the U.S. or online, students in public health are able to learn about unique health environments and differences in human condition worldwide. The College of Health Solutions recommends these programs (https://goglobal.asu.edu/students/major/chs/public-health) for students majoring in public health.

**Career Opportunities:** Graduates of this program qualify for entry-level positions in public health education, sanitation and environmental control, public health administration, health promotion, and similar areas. Employment opportunities are available within national, state and local health departments and in community clinics, community and private advocacy groups, health education programs and nonprofit organizations.

Popular positions include:

- community health workers --- liaise with officials to improve the quality and cultural competence of health care service delivery to the community or to vulnerable groups
- environmental specialists --- investigate environmental health and food risks, advise the community on risk reduction and implement public health projects
- occupational health and safety specialists --- inspect workplaces for adherence to regulations and design programs for injury and illness prevention
- public health educators --- develop and implement strategies to improve the health of individuals and communities
- sanitarians --- observe facilities to ensure minimal disease spread, develop protocols for hygiene and monitor the handling of waste

The program also provides graduates with the knowledge and skills that allow them to continue their education in graduate programs in public health or community health.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHPBHBS/undergrad/false/91407
HLTHN 401AA
CHS@asu.edu
602-496-3300

## Speech and Hearing Science, BS (LASHSBS)

**Campus:** Tempe, Online
The BS/MS accelerated option for this program is not currently available to ASU Online students.
**Program Description:** Students in the BS program in speech and hearing science study the normal aspects of the communication process. Emphasis is placed on the human communication system, including anatomy and physiology of the hearing and speech mechanisms; speech, language and hearing science; and normal development of speech and language production and perception. Upper-division coursework introduces clinical methods and disorders of speech, language and hearing.

Students attain broad-based knowledge in the basic aspects of speech, language and hearing sciences, which prepares them for graduate study in audiology or speech-language pathology or for employment opportunities in related health and behavioral fields.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebraor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/speech-and-hearing-science-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASHSBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Apply knowledge of typical adult speech and language profiles to evaluate speech and language deficits.
- Apply knowledge of typical speech and language development to evaluate developmental speech and language disorders.
- Evaluate the results of audiograms applying knowledge of normal hearing to determine hearing loss and auditory pathologies.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The College of Health Solutions recommends these programs (https://goglobal.asu.edu/students/major/chs/speech-hearing-science) for students majoring in speech and hearing science.

**Career Opportunities:** Positions in speech-language pathology and audiology are in high demand, rated as careers with bright outlooks by the U.S. Department of Labor's Occupational Information Network. Employment opportunities for program graduates may include positions as:

- audiology assistants
- hearing aid or cochlear implant company representatives
- research assistants or associates in behavioral disciplines
- speech-language pathology assistants
- support personnel in rehabilitation or health facilities

Many graduates of speech and hearing sciences gain entrance into a graduate-level program in speech-language pathology or audiology. In both fields, a graduate degree is required for employment.

The undergraduate degree in speech and hearing science is also excellent preparation for those who wish to enter professional or graduate programs in fields such as:

- counseling
- education
- medicine
- rehabilitation
- social work
- special education
- teaching for the deaf

Graduates work with a variety of populations, including people on the autism spectrum; bilingual language learners; those with delayed or disordered speech and language or those experiencing hearing impairment or stuttering; patients recovering from strokes; or patients with degenerative or neurological disease. Graduates work with patients and clients across the lifespan, from infants to geriatrics, in a variety of settings, including:

- clinics
- hospitals
- private practice
- schools, all levels of preschool through secondary

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/LASHSBS/undergrad/false/91407
HLTHN 401AA
chs@asu.edu
480-965-2374

## Sports Science and Performance Programming, BS (NHSPTSPPBS)

**Campus:** Downtown Phoenix, West

**Program Description:** Supporting individuals at close to maximal effort requires specialized knowledge and skills. The BS program in sports science and performance programming prepares students to work with participants in sports, occupational and tactical environments in order to maximize their potential. Students learn the complexities of performance assessment and programming which can enable careers in sport science, sports medicine or biomechanics.

The National Strength and Conditioning Association has identified a need for sports performance and tactical performance specialists to be more knowledgeable about human physiology, movement mechanics and the technologies used to provide feedback. Graduates understand how to push the limits of performance as well as recognize the stress the body undergoes during training, enabling them to plan successful exercise and recovery programs.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  117 - College Algebraor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)

International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NHSPTSPPBS~null + &college=CHL) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Apply coaching strategies to maximize efficiency and performance of individuals and reduce the risk of injury under high stress during performance training.
•Understand the scientific foundations that govern adaptation and movement optimization identified as foundational competencies for the Certified Strength and Conditioning Specialist examination and necessary to properly construct advanced performance programs.
•Create evidence-based sports performance programs designed to improve individual and/or team performance and reduce the risk of injury potential during their participation in their activities.

**Global Opportunities:**
Global Experience: Students studying sports science and performance programming work to push the limits of peak sports performance. When studying abroad, they gain valuable skills in leadership, communication and critical thinking which they can use to push the limits of their personal knowledge and experience.

Study abroad experience allows students to stand out in a competitive field and leads to cultural enrichment and competency. For more information, students can visit the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** Degree coursework prepares students to sit for certification testing through the National Strength and Conditioning Association for certified strength and conditioning specialist or tactical strength and conditioning facilitator credentials. Graduates are also prepared to work in the sports performance field or pursue graduate study in sports science, athletic training or other exercise science-related disciplines.

Career options for this degree include opportunities in sports performance training in high school, collegiate, professional and private sector markets. In addition, students are prepared for careers in tactical performance training with local, state and national governmental agencies including work with police, firefighters and military personnel. Graduates are also prepared to work in the emerging sports science field or to consult on athlete talent or potential.

A few potential career options from this degree or with some additional education include:

- athletic trainer
- fitness center director
- gait analyst
- performance center director
- sports data technician
- sports engineer
- sports performance coach
- sports scientist
- tactical performance coach

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/bachelors-degrees/majorinfo/NHSPTSPPBS/undergrad/false/91407

HLTHN 4th floor
chs@asu.edu
602-496-3300

# Honors - Barrett, The Honors College

## Honors College,  (9HOHONALL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:** Barrett, The Honors College is a community of scholars committed to an honors education, whether at any of the four of ASU campuses in metropolitan Phoenix or through ASU Online. The unique honors curriculum and honors-only benefits provide opportunities for students to enhance their Sun Devil experience.

The honors college is designed to complement the overall ASU experience by providing additional opportunities within any major and the university at large.

Barrett students earn the same 120 college credits that any other ASU student needs in order to graduate with a bachelor's degree, but a portion of them are earned as honors credits. There are a variety of ways to earn honors credits, from major-specific classes to internships, research, service learning and travel programs.

Barrett students participate in two different college experiences simultaneously. Not only are all Barrett students part of a premier Research I university (https://www.asu.edu/rankings), with considerable resources in the sheer number and variety of degree programs, they are also part of the nation's top honors college (https://barretthonors.asu.edu/rankings) with benefits more typical of a small, private college. Students leverage their status in honors to dive deeper into their interests through faculty mentorship, access to unique research and internship opportunities, specialized projects in classes, domestic and international travel programs, co-curricular opportunities, and student led engagement activities.

The residential and academic community of Barrett allows students to feel at home at ASU. Through the comprehensive residential communities at each Barrett campus, honors students enjoy community spaces, special events and student organizations right where they live. Barrett students are also supported by more than 43 full-time professors, 70 full-time staff members, a dean, vice dean, and an associate dean at each campus. Additionally, Barrett students have access to the T.W. Lewis Center for Personal Development (https://barretthonors.asu.edu/academics/tw-lewis-center), which provides programs and services that help prepare students for the challenges and opportunities of life. To accomplish this objective, the Lewis Center provides innovative courses, workshops and an engaging speaker series focused on self-awareness (behaviors, values, strengths), personal values and character development, leadership and entrepreneurship, decision-making and risk-taking, career planning, success, and happiness.

Barrett students are focused on excellence beyond their college experience and take advantage of the Lorraine Frank Office of National Scholarship and Advisement (https://onsa.asu.edu/), which serves all of ASU, and is located in the Barrett Complex on the ASU Tempe campus. There, Barrett faculty and staff mentor students as they apply for national and international fellowships. Each year, ASU students are selected for prestigious recognitions and awards, including from the Rhodes Scholarship, Gates Cambridge Scholarship, Thomas R. Pickering Foreign Affairs Fellowship, Goldwater Scholarship, Boren Awards for International Study and Killam Fellowship Program. ASU students also have been awarded the Benjamin A. Gilman International Scholarship, the National Science Foundation Graduate Research Fellowship Program and from the Fulbright U.S. Student Program, placing ASU among the nation's top producers of fellowship winners.

**Additional Program Fee:** Y
**Second Language Requirement:** N

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students must complete an application to Arizona State University before submitting a separate application to Barrett, The Honors College (https://barretthonors.asu.edu).
Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each

candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records and their ranking within the graduating class. For fall 2023, ACT and SAT scores are not required. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have had unusual life experiences or display significant community involvement.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=9HOHONALL~null + &college=CHO) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Barrett, the Honors College highly encourages its students to enhance their educational experience by traveling. With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to gain global skills and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. Students can find more information on the Global Barrett (https://students.barretthonors.asu.edu/enhance-your-experience/global-initiatives-overview) website.

**Career Opportunities:** Participation in Barrett sets graduates apart from other applicants for jobs, graduate programs, medical school, law school, or any other next step after undergraduate graduation. Barrett graduates showcase an ability to go beyond the minimum requirements to earn a bachelor's degree and a willingness to embrace intellectual curiosity and exploration. Students can explore the alumni page (https://barretthonors.asu.edu/alumni-success) to see what Barrett graduates are doing now.

**Contact Information:**
Honors - Barrett, The Honors College
Barrett, The Honors College
https://barretthonors.asu.edu/
SGHAL 101
BarrettAdvising@asu.edu
480-965-2354

# Integrative Sciences and Arts, College of

## Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)

**Campus:** Polytechnic

**Program Description:** The BS program in applied biological sciences offers students solid foundations in biology and related sciences while allowing them to focus on an area of special interest.

Students learn about fundamental principles such as movement of energy and matter, exchange of genetic information, as well as the structure and function relationships that govern life processes. They also learn about ethical and policy challenges that can arise when applying biological principles to social issues.
In this program, students contextualize knowledge through experience-based learning activities, including:

- case studies
- faculty-guided research and service-learning projects
- field trips
- hands-on laboratories and field experience
- internships

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help

international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSABS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs available in more than 65 countries, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Those in applied biological sciences are able to expand their knowledge of how science impacts society in a variety of cultures, and they can acquire a global perspective, preparing them to lead in a future-focused career. Students earn ASU credit for completed courses while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates may pursue entry-level careers in wildlife and restoration ecology, urban horticulture and secondary education. The general program in applied biological sciences prepares graduates to succeed in graduate and professional schools in disciplines such as:

- biological research
- dentistry
- environmental biotechnology
- human health

- medicine
- physical therapy
- secondary education

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)

**Campus:** Polytechnic
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The applied ecology and preveterinary medicine concentration in the BS program in applied biological sciences is designed for students who want a strong scientific foundation in animal biology and health.

It is especially appropriate for students who plan to enter graduate or professional programs in veterinary medicine, animal health, wildlife biology and ecology or who plan to start careers related to wildlife biology, ecology, restoration and rangeland management.

Public and private career options are diverse and include small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, animal biology, habitat research and secondary education.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSRBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participating in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates can pursue numerous entry-level careers in animal health and nutrition. The program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- animal biology
- animal health
- veterinary medicine

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Biological Sciences (Natural Resource Ecology), BS (LSABSNRBS)

**Campus:** Polytechnic

**Program Description:** The concentration in natural resource ecology in the BS program in applied biological sciences offers students the broad base of knowledge they need to sustainably manage natural resources in a variety of ecosystems.

Students learn about fundamental components of natural systems such as soils and water and the plant and wildlife communities they support. Students also learn to measure and assess plant and animal populations through a variety of field techniques and computer tools, including geographic information systems and remote sensing. Knowledge and techniques are applied to case studies in the classroom and laboratory projects.

Students in this program contextualize knowledge through experience-based learning activities, including:

- case studies
- faculty-guided research and service-learning projects
- field trips
- internships
- laboratories and field experiences

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSABSNRBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: The natural world is complex and diverse, providing different resources from one biome to the next. Not only are natural resources varied across the globe, so are their uses. Students who participate in Global Education programs (https://goglobal.asu.edu/) gain a deeper understanding of global resources, how different cultures use the resources, and how best to communicate sustainable use to a diverse audience.

**Career Opportunities:** Career opportunities include employment with public agencies and private consulting firms and in positions such as:

- environmental consultant
- environmental researcher and educator
- natural resource manager
- park manager
- watershed manager
- wildlife biologist or ecologist

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Biological Sciences (Pre-Dental), BS (LSABSPDBS)

**Campus:** Polytechnic, Online

**Program Description:** The purpose of the concentration in pre-dental medicine in the BS program in applied biological sciences is to prepare undergraduate students to successfully complete the admission requirements for the pursuit of an advanced degree in dental medicine.

The concentration curriculum emphasizes a solid foundation in biology, chemistry, physics and mathematics while offering specialized courses related to dental medicine as well as opportunities for placement in internships in the field.

Students in this program contextualize knowledge through experience-based learning activities, including:

- case studies
- faculty-guided research and service-learning projects
- field trips
- internships
- laboratory activities

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/biological-sciences-pre-dental/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSABSPDBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Career opportunities for graduates of this program may include entry into professional programs in dental medicine. In addition, this program can lead to dental-focused careers outside of dental medicine.

The pre-dental program in applied biological sciences prepares graduates to succeed in graduate and professional schools in disciplines such as:

- biological research
- dental school
- environmental biotechnology
- human health
- medicine

- physical therapy
- secondary education

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Biological Sciences (Preveterinary Medicine), BS (LSABSPMBS)

**Campus:** Polytechnic, Online

**Program Description:** The purpose of the concentration in preveterinary medicine in the BS program in applied biological sciences is to prepare undergraduate students to successfully complete the admission requirements for the pursuit of an advanced degree in veterinary medicine.

The concentration curriculum emphasizes a solid foundation in biology, chemistry, physics, animal science and mathematics while offering specialized courses in veterinary medicine and opportunities for placement in internships in the field.

Students in this program contextualize knowledge through experience-based learning activities, including:

- case studies
- faculty-guided research and service-learning projects
- field trips
- internships
- laboratory activities

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/pre-veterinary-medicine/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSABSPMBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Career opportunities for graduates of this program may include entry into professional programs in veterinary medicine and animal health, including small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, education and animal biology research. This program can also lead to animal-focused careers outside of veterinary medicine at state game and fish departments, zoos, animal shelters and animal nonprofit organizations.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)

**Campus:** Polytechnic

**Program Description:** The secondary education in biology concentration in the BS program in applied biological sciences is designed for students who want to teach biology at the middle school to high school levels.

In addition to the standard curriculum, students receive hands-on experience in laboratory instruction. The goal of the program is to prepare students to become teachers who excel both in biology and the related sciences.

Students in this program contextualize knowledge through experience-based learning activities, including:

- case studies
- faculty-guided research and service-learning projects
- hands on laboratories
- secondary education clinical experience

Students enrolling in this concentration should also contact the Mary Lou Fulton Teachers College for information on teacher preparation coursework.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the

STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSSBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Those wishing to pursue a future in education must understand how classrooms are shaped by the students' diverse experiences, backgrounds and cultures. Global Education programs (https://goglobal.asu.edu/) offer firsthand experience in a wide range of cultures and communities, which can enhance a degree program. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. Programs can be found in a variety of countries around the world.

**Career Opportunities:** Graduates of this concentration are prepared to teach biology in high schools as well as pursue numerous entry-level careers in biology. Employment opportunities exist in private and public sectors. Graduates of the general program in applied biological sciences are also prepared to succeed in graduate or professional schools in disciplines such as:

- animal health
- dentistry
- medicine
- nonprofit educator

- physical therapy
- teaching

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)

**Campus:** Polytechnic

**Program Description:** The sustainable horticulture concentration within the BS program in applied biological sciences is designed for students who want theory and practical experiences in unique aspects of plant culture in an urban desert environment.

Students acquire the skills to produce, design and care for ornamental and edible plantscapes. Students interested in sustainable practices have the opportunity to specialize in vertical farming and other plant-related technologies. Students in this program contextualize knowledge through experience-based learning activities, including:

- case studies
- faculty-guided research and service-learning projects
- field trips
- greenhouse experiences
- internships

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Applied Biological Sciences, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TSABSUBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can explore habitats and ecosystems around the world in one of several Global Education programs (https://goglobal.asu.edu/); opportunities include working with scientists and conducting independent research. Students can stay on track for graduation by earning ASU credit while becoming immersed in other cultures. Studying abroad builds professional skills that employers demand, such as collaboration and critical thinking.

**Career Opportunities:** Horticulture is a multibillion dollar national and international enterprise that offers a diverse and exciting choice of professional careers. Graduates can pursue numerous entry-level careers in horticulture. Employment opportunities exist in private and public sectors. The general program in sustainable horticulture also prepares graduates to succeed in roles such as:

- arboretum or botanical garden manager
- city horticulturist
- horticultural consultant, plant researcher or educator
- horticulture supply sales representative
- integrated pest management specialist
- interior plant specialist or plant propagator
- landscape designer or contractor
- nursery plant broker or cultivator and plant salesperson
- organic urban farmer or permaculturist
- urban plant ecologist, forester, tree specialist or arborist

Career opportunities for urban horticulture graduates are not limited to any one geographic location; graduates can embark on careers throughout the United States, Canada, Mexico and overseas.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Mathematics, BS (LSMATBS)

**Campus:** Polytechnic

**Program Description:** The BS in applied mathematics offered by the College of Integrative Sciences and Arts is a transdisciplinary program focused on developing flexible problem-solvers who can apply mathematical techniques and skills to a wide range of problems in the sciences, such as biology, social sciences, chemistry, physics and engineering.

The coursework builds a foundation in mathematical modeling, data analysis and the interpretation of mathematical results in real-world settings. Students choose electives in the sciences, technology, engineering or other areas of interest to complement and provide context for their mathematical training.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.

The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  270 - Calculus w/Analytic Geometry Ior MAT 265 Calculus for Engineers
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSMATBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable experience when studying abroad, experience which will enhance their resumes. Students often cite participating in Global Education programs (https://goglobal.asu.edu/) as the highlight of their academic career and a crucial moment in helping them gain a clearer view of the world, its peoples and the complex challenges facing us all.

The Global Education office offers a suite of faculty-directed global experience programs designed to connect students with real-life issues that impact local communities yet transect borders. Through any of the more than 300 programs available, students can see the world as they never have before and come away with memories to last a lifetime. Graduates who possess the heightened cultural competency and leadership and critical thinking skills they acquired through study abroad may stand out in a competitive field.

The College of Integrative Sciences and Arts recommends these programs (https://goglobal.asu.edu/students/major/applied-mathematics) for students majoring in applied mathematics.

**Career Opportunities:** Graduates are prepared to apply their analytic skills and technical knowledge to problems in a range of careers in industry, government, education or nonprofit organizations. They also pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics and applied mathematics such as mathematical biology).

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Physics, BS (LSAPHYBS)

**Campus:** Polytechnic

**Program Description:** The acceleration of advances at the frontier where physics, engineering and technology meet creates a need for interdisciplinary training and research that is not readily accommodated by traditional single-focus programs in physics.

Pairing fundamental physics with immediate applications, the BS program in applied physics is attractive to students whose interests span new physical technologies in industry and engineering. The degree program combines physics, computer science and applied mathematics to tackle complex real-life problems in physics, material sciences, engineering, chemistry and others.

This bachelor's degree program brings together the expertise of physics faculty, particularly in the modeling of physical systems, which relies heavily on both modern numerical techniques and fundamental physics.

The growing presence of Intel and other high-tech companies in the east valley and metropolitan Phoenix presents a unique opportunity to enhance the students' interaction with industry. Given the importance of hands-on experience, the degree program offers a series of unique courses allowing students interactive involvement in a project-based environment.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSAPHYBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) students majoring in applied physics are able to gain valuable hands-on experience tailored to their unique interests and skill sets as well as personal enrichment plus the heightened cultural competency and leadership and critical thinking skills that will be an advantage in their career.

With more than 300 Global Education programs available, whether in a foreign country, in the U.S., or online, students build communication skills, are challenged to adapt and persevere, are exposed to differences across the world, and increase their ability to work with diverse groups of people.

**Career Opportunities:** Graduates apply their knowledge in high-performance and scientific computing, biophysics, condensed matter physics, chemistry, material science, electrodynamics and radar physics. This knowledge is vital for employment in chemical and pharmaceutical companies, environmental management agencies and firms specializing in scientific software. Graduates are also prepared to continue their studies in graduate programs in physics and chemistry.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts

https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Quantitative Science, BS (LSAQSBS)

**Campus:** Polytechnic

**Program Description:** Students in the BS program in applied quantitative science learn to integrate and apply STEM-supported skills that are increasingly in demand for future focused careers. Students acquire six habits of mind, a mental practice that becomes increasingly automatic with progress through the curriculum and after, extending into career development.

Students learn to:

- apply and project quantitative reasoning to unfamiliar contexts
- communicate well within and without the expert domain
- critically and adaptably think about complex problems
- effectively search through and evaluate information
- experiment creatively and in an informed manner in search of new insights
- use sophisticated insight involving statistical inference and quantitative reasoning

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSAQSBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With more than 300 programs available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. Students in applied quantitative science are able to gain hands-on experience in a variety of countries around the world. Graduates who possess the heightened cultural competency and leadership and critical thinking skills they acquired through study abroad may stand out in a competitive field.

**Career Opportunities:** Increasingly, employers are hiring people who know how to use quantitative information. Graduates of this degree program

are equipped with the skills and knowledge sought by today's employers. People who work in any business or industry need to use quantitative skills to solve problems.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Science (Animal Biology), BAS (LSANBIOBAS)

**Campus:** Polytechnic

**Program Description:** The BAS program with a concentration in animal biology provides a direct pathway from an AAS degree to a Bachelor of Applied Science degree for students who want to prepare for careers in management, scientific and medical fields relevant to animals.

Students learn the underlying principles of animal health --- grounded in knowledge of cells, biological systems and behavior --- in order to solve problems in animal health and care. The curriculum emphasizes a solid foundation in biology, animal science and mathematics while offering specialized courses and opportunities for placement in internships in the field.

Students have access to a variety of career resources and opportunities to explore professions and engage with established professionals in a variety of fields.

**Additional Program Fee:** N
**Second Language Requirement:** N
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Transfer Admission Requirements: Transfer students must complete BIO 181 General Biology I and 182 General Biology II (or equivalent) and Chemistry 101 or CHM 113 General Chemistry I (or equivalent).

**Change of Major Requirements:** Only students who have completed an Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSANBIOBAS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs available in more than 65 countries, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Students are able to expand their knowledge of animal biology science and how it impacts society in a variety of cultures, and they can acquire a global perspective which will prepare them to lead in their career.

Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates may have numerous entry-level careers in animal health and nutrition, and they are also prepared to succeed in graduate or professional schools in disciplines such as:

- animal biology
- animal health
- biological research
- veterinary medicine

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Applied Science (Applied Leadership), BAS (LSALSBAS)

**Campus:** Polytechnic, Tempe, ASU at Cochise, ASU at Pima, ASU at Pinal, ASU at The Gila Valley, ASU at Yavapai, Online

**Program Description:** This BAS program prepares students for leadership positions in a wide variety of organizations and career fields.

The concentration in applied leadership focuses on the practice of innovative and effective leadership and helps students develop the skills and knowledge that leaders need to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources. It provides a valuable degree pathway for students with AAS degrees in fields such as fire science, environmental technology, machine shop technology and welding technology.

Students learn leadership skills that prepare them to become effective leaders in diverse environments --- applying those skills as team leaders, floor managers and shift captains.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an AAS degree from a regionally accredited institution. For students with an Associate of Applied Science from an Arizona community college, the AGEC is recommended but not required. This program is not available for freshmen.

**Change of Major Requirements:** Only students who have completed an Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/applied-leadership-bas/) for program descriptions and to

request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSALSBAS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students studying applied leadership can become influential and innovative leaders in the world. Through unique study abroad experiences across the globe, students gain valuable leadership and communication skills. Whether in a foreign country, in the U.S. or online, by participating in one of the over 300 available Global Education programs (https://goglobal.asu.edu/), students expand their scope of learning beyond the classroom and gain hands-on experience in different and exciting cultures.

**Career Opportunities:** Graduates possess skills and knowledge needed for leadership positions in a wide range of organizations, including business, government, nonprofit agencies and the service industry.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu
USE 138
CISA@asu.edu
480-965-4464

## Applied Science (Project Management), BAS (LSAPSPMBAS)

**Campus:** Polytechnic, Tempe, Online

**Program Description:** The BAS program in project management offers a skills-driven curriculum that prepares students to be excellent project managers.

Students acquire the skills they need to ensure the progress and successful completion of complex projects: project leadership, project quality management, project risk management, project schedule management, project cost management and project resource management.

Students also explore the skills and knowledge that leaders employ when they organize diverse teams, evaluate ethical situations, innovate, solve problems, communicate effectively, assess leadership and organizational effectiveness, manage resources and use emerging technologies in organizations.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)

Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: This program is not available for first-year students.
Transfer Admission Requirements: Students applying to this program must have completed an AAS degree from a regionally accredited institution. For students with an Associate of Applied Science from an Arizona community college, the AGEC is recommended but not required.

**Change of Major Requirements:** Students changing their major to this program must have completed an AAS degree from a regionally accredited institution.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/project-management-transfer-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSAPSPMBAS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participating in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates possess the skills and knowledge needed for project management and leadership positions in a wide range of organizations, including business, government, nonprofit agencies and the service industry. Project managers can be housed within many specific industries, such as health care, information technology and construction management.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/project-management
USE 138
CISA@asu.edu
480-965-4464

## Applied Science (Technical Communication), BAS (LSTECBAS)

**Campus:** Polytechnic

**Program Description:** The BAS in applied science with a concentration in technical communication is a flexible degree program designed specifically for students who have earned an AAS degree from a regionally accredited institution. This major combines the technical experience gained in the student's associate degree program with a broader education of skills in management, leadership, critical thinking and communication.

Technical communication is applied workplace communication that makes technical information understandable and available to many audiences. In the technical communication concentration, students learn how to produce, design and manage information using both traditional and developing technologies.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available to first-year students.

**Change of Major Requirements:** Only students who have completed an Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECBAS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Technology is connecting the world, and future technical communication professionals must be proficient in cross-cultural communication --- a skill well-developed through study abroad. Students earn ASU credit for completed courses while staying on track for graduation, and may apply financial aid and scholarships toward program costs. Global Education programs (https://goglobal.asu.edu/) can include research and volunteer experiences, all while students are being immersed in another culture.

**Career Opportunities:** The Bureau of Labor Statistics estimates the need for writers and editors will increase by 25% during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers.

Students in the program prepare for careers as:

- advertising and promotions managers
- communications professors
- copy writers
- correspondence clerks
- court clerks
- desktop publishers
- editors
- media and communication workers
- proofreaders and copy markers
- public relations specialists
- technical writers

**Contact Information:**

Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Communication, BA (LSCOMBA)

**Campus:** Downtown Phoenix, Polytechnic

**Program Description:** The BA program in communication in the College of Integrative Sciences and Arts explores how communication processes create, maintain and transform identities, relationships, workplaces and communities.

Through the exploration, analysis and application of human communication, students gain the knowledge, creativity and skills they need to facilitate healthy relationships and workplaces, civil and sustainable communities and constructive intercultural interactions. With an integrative and applied emphasis on culture and communication, community advocacy and communication technologies, the program allows for a concerted focus on the rapidly changing modalities of communication occurring today. Students learn to speak effectively, communicate across cultures, and critically analyze public controversy.

**Additional Program Fee:** N
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSCOMBA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students may engage in a unique and exciting opportunity to gain intercultural experience through tailored, international programs of study. Study abroad can help students improve language and cross-cultural skills for effective communication. They can also develop critical teamwork and problem-solving skills and expand their knowledge of the liberal arts through lenses of different cultures.

Participation in one of the more than 300 Global Education (https://goglobal.asu.edu/) programs available, whether in a foreign country, in the U.S. or online, provides students personal enrichment and an opportunity to develop valuable skill sets that can give them an advantage in their career. Students build communication skills, are challenged to adapt and persevere, are exposed to differences across the world, and they increase their ability to work with diverse groups of people.

**Career Opportunities:** Communication graduates are prepared for many different career fields, including public relations, marketing, community organizing and human resources.

Graduates often attend other top tier graduate schools, law schools and business schools, or find gainful employment as:

- advertising and promotion managers
- brand managers
- community care builders
- community organizers
- content creators
- human resource specialists
- influencers
- labor relations specialists
- lawyers
- marketing managers
- media and communication workers
- public officials
- public relations and fundraising managers
- public relations specialists
- social media managers
- survey researchers
- training and development managers

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
AZCNTR 383
CISA@asu.edu
602-496-0271

## Counseling and Applied Psychological Science, BS (LSCAPSBS)

**Campus:** Polytechnic, Online

**Program Description:** Counseling and applied psychological science is a specialty in promoting psychological well-being. Counselors and applied psychologists provide the tools and resources necessary for individuals, families and organizations to cope with everyday problems.

The BS program in counseling and applied psychological science provides foundational training in counseling theories, addictions, trauma, lifespan development, group counseling and professional ethics. A unique aspect of the program is its attention to cultural diversity, focusing on age, gender, race, ethnicity, sexual orientation, religion and socioeconomic status. As part of the program, students also participate in a hands-on internship in which they shadow a licensed therapist and apply counseling theory.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 119 - Finite Mathematicsor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/counseling-psychological-science/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSCAPSBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: In order to make a positive impact in the lives of others, students must understand the diverse set of experiences, backgrounds and cultures that shape the people with whom they wish to work. When studying abroad, students gain firsthand experience of a wide range of cultures and communities. Global Education programs (https://goglobal.asu.edu/) provides students with a unique global perspective with which they can impact the world.

**Career Opportunities:** Graduates with a degree in counseling and applied psychological sciences are prepared for careers in various settings:

- community centers
- government (sales and marketing, human resources management)
- mental health professions (youth counselor, substance abuse counselor, behavioral health technician)
- social services (high school psychology teacher, occupational analyst)
- schools and colleges (school psychologists, educators, professors)
- substance abuse treatment clinics

Graduates may qualify for employment in behavioral health care delivery settings such as community agencies, hospitals and rehabilitation centers to support counselors and other mental health professionals, and they are prepared for a variety of careers, such as vocational rehabilitation assistants, human service workers and life-skills instructors. The Bureau of Labor Statistics shows the outlook for job growth (2019 to 2029) for substance abuse, behavioral disorder and mental health counselors is 25%, which is much faster than average.

Graduates of this program are not license-eligible as professional counselors but are well prepared with an excellent foundation for entering graduate degree programs in disciplines such as counselor education, counseling psychology, clinical psychology, social work and family studies, counseling and related fields.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Counseling and Applied Psychological Science (Sports and Performance Counseling), BS (LSCAPSSPBS)

**Campus:** Polytechnic, Online

**Program Description:** Counseling and applied psychological science is a practical specialty that promotes psychological well-being.

The sports performance counseling concentration of the BS program in counseling and applied psychological science provides foundational training

in the psychology of performance and related counseling theories and skills that is geared toward professionals in a wide range of fields.

This program prepares graduates to support licensed professionals in counseling and counseling psychology; it also readies them for graduate study in counseling psychology, sport psychology, counselor education and other fields. Additional education is required for students who wish to become licensed professionals, teachers or professors.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 119 - Finite Mathematics
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/counseling-psychological-science-sports-performance-counseling) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSCAPSSPBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: In order to make a positive impact in the lives of others, students must understand the diverse set of experiences, backgrounds and cultures that shape the people with whom they wish to work. When studying abroad, students gain firsthand experience of a wide range of cultures and communities. Global Education programs (https://goglobal.asu.edu/) provide students with a unique global perspective with which they can impact the world.

**Career Opportunities:** Graduates are able to assist licensed mental health counselors and psychologists in providing services that focus on mental health and optimal performance.

Such employment is found in a variety of settings, including community centers, the corporate world, educational institutions, independent consulting, social service agencies, and sports, and in behavioral health care delivery settings such as community agencies, hospitals and rehabilitation centers.

Career examples include:

- athletic coach
- behavioral health technician
- educator

- human resources manager
- human service worker
- life skills instructor
- mental health professional
- mental performance coach or consultant for athletes, first responders and military personnel
- occupational analyst
- performance consultant for the arts, industry and the services sector
- school psychologist
- substance abuse counselor
- trainer for human resources, sales and marketing, and career transition
- vocational rehabilitation assistant
- youth counselor

The U.S. Bureau of Labor Statistics shows a much faster than average increase (23%) in the job outlook for mental health counselors and an as fast as an average increase (8%) for psychologists for the period 2020 to 2030.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Counseling and Applied Psychological Science (Substance Abuse and Addictions), BS (LSCAPSAABS)

**Campus:** Polytechnic, Online

**Program Description:** Counseling and applied psychological science is a specialty promoting psychological well-being.

The substance abuse and addictions concentration of the BS program in counseling and applied psychological science provides coursework in counseling skills and techniques as they relate to substance abuse and addictions. Students acquire the necessary skills in screening, assessing, diagnosing and planning treatment of patients afflicted with substance abuse, addictions and related disorders.

While this program does not make students license-eligible counselors, the coursework meets the requirements for the Licensed Substance Abuse Technician credential through the Arizona Board of Behavioral Health Examiners (https://www.azbbhe.us/node/553 (https://www.azbbhe.us/node/553)).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  119 - Finite Mathematicsor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/undergraduate/counseling-psychological-sciences/) for program descriptions

and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSCAPSAABS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: To make a positive impact in the lives of others, students must understand the diverse set of experiences, backgrounds and cultures that shape the people with whom they wish to work. Through Global Education programs (https://goglobal.asu.edu/), students gain firsthand understanding of a wide range of cultures and communities, and they acquire a unique global perspective with which they can impact the world.

**Career Opportunities:** The projected job outlook for substance abuse and behavioral disorder counselors is estimated to increase by 25% between 2014 and 2024. A licensed substance abuse technician is at the entry level of serving clients who struggle with substance use and addictions. The LSAT assists substance abuse counselors in prevention and intervention efforts to individuals, groups and organizations. The LSAT credential prepares students for careers in substance abuse treatment clinics, community centers, social services and education settings under the supervision of licensed mental health professionals.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## English, BA (LSENGBA)

**Campus:** Polytechnic

**Program Description:** The BA program in English is focused on literature, writing, film and culture.

Courses address a wide variety of genres, traditions and time periods. Students engage in close reading and critical thinking as they work with powerful, multilayered texts. They build communication skills as they compose for multiple purposes and audiences. The program ends with a degree capstone that allows students to use their skills and knowledge in a personalized academic or creative project.

Students are encouraged to pursue internship opportunities such as working in online publishing with Superstition Review (https://superstitionreview.asu.edu/) or mentoring youth writers in Young Authors' Studio.

Students must complete a minimum of 12 upper-division credit hours of ENG courses offered by the College of Integrative Sciences and Arts.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Liberal Studies (Film and Media Studies), MLSt
Liberal Studies, MLSt
Organizational Leadership, MS
Project Management, MPM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSENGBA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: English students can explore the hometowns of famous authors and visit locations that have inspired masterpieces of both fiction and nonfiction. Study abroad programs (https://goglobal.asu.edu/) offer students the chance to build a global perspective and knowledge in unique environments as preparation for leadership in a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs.

The College of Integrative Sciences and Arts recommends these study abroad programs (https://goglobal.asu.edu/students/major/english) for students majoring in English.

**Career Opportunities:** The bachelor's degree program in English prepares scholars and teachers for graduate or professional study and for careers in education, writing and other related fields. Career prospects for secondary language-arts teachers in Arizona are particularly strong. More importantly, students in the program develop skills that employers value, such as analyzing ideas and problems, finding and evaluating information, communicating effectively and presenting clear and logical arguments. With these skills, graduates of the program can find jobs such as these:

- advertising and promotions managers
- copy writers
- editors
- lawyers
- media and communication workers
- paralegals and legal assistants
- public relations specialists
- teachers and instructors
- technical writers
- writers and authors

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## General Studies, BA (LSGNSBGS)

**Campus:** Downtown Phoenix, Polytechnic, ASU at Lake Havasu

**Program Description:** The BA program in general studies offers students a flexible, innovative path to degree completion. Graduates of the program are informed and effective members of society who are well prepared for a changing global marketplace with its diverse cultures.

The theme of this degree is professional preparedness and integrating the needs of society and the individual. Students explore the tensions between individualism and collectivism, the public and private selves, service and community, domestic and global, and the interplay of culture and identity constructions.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSGNSBGS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Those who have majored in general studies have the option of working in almost any field that requires effective interaction with others, fields as diverse as sales, social services, organizational management, and government administration. Graduates are equipped with transferable skills highly desired by many employers; therefore, a wide array of job choices are available. The bachelor's degree creates great flexibility in career choice because of the versatility within the program.

Graduates may choose occupations for which their cluster prepares them, including:

- administrative services manager
- curator
- medical and health service
- military and veteran's services
- property, real estate and community association managers
- public relations specialist
- purchasing manager
- real estate sales agent
- sales manager
- writer and author

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
AZCNTR 383
CISA@asu.edu
602-496-0271

## History, BA (LSHISBA)

**Campus:** Polytechnic

**Program Description:** The BA program in history focuses on American history, with coursework in European, Latin American and global historical perspectives. Faculty expertise includes the history of technology and science, biography, war and its effect on society, public history, aviation, environmental history and related fields.

Students are trained in methods of historical research and study the development of human society from social, cultural and political perspectives. The capstone course and other research courses allow students to apply research and writing skills as practitioners of history and creators of analytical narratives.

Students must complete a minimum of 12 upper-division credit hours of HST courses offered by the College of Integrative Sciences and Arts.

Students who would like to combine this degree with teaching certification should contact the Mary Lou Fulton Teachers College.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Liberal Studies (Film and Media Studies), MLSt
Liberal Studies, MLSt
Organizational Leadership, MS

Project Management, MPM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSHISBA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: History transcends a city, state, province, country and even a continent. Study abroad (https://goglobal.asu.edu/) helps students dive deeper into their studies by providing the opportunity to experience firsthand the cultures and places where history has taken place. Students are able to use these encounters to discover the interconnections of ideas and places at primary source sites.

**Career Opportunities:** Graduates are well prepared for careers in education, writing and other related fields. Career prospects for secondary history and social studies teachers in Arizona are particularly strong. Students in the program develop skills in:

- analyzing and assessing ideas and problems
- communicating effectively orally and in prose
- finding and evaluating information
- presenting clear and logical arguments

With these skills, graduates of this program may find jobs in:
Public History
- archivists
- museum curators
- museum technicians and conservators

Legal Professions
- court reporters
- law clerks
- lawyer
- paralegal and legal assistants

Education
- college and university faculty
- middle school teachers
- secondary school teachers

Media and Communication
- broadcast news analysts
- historians
- media and communication workers
- news columnists
- reporters and correspondents
- writers

The bachelor's degree program in history also prepares scholars and teachers for graduate and professional studies.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## History (Veterans, Society and Service), BA (LSHISVSSBA)

**Campus:** Polytechnic

**Program Description:** Students in the veterans, society and service concentration of the BA program in history explore war, military service and veterans as a means to investigate how violence, conflict, military service and other trauma-bearing experiences have shaped political, social and cultural formations in the past and present.

Along with military history, students take courses that place veterans as their subject for critical interdisciplinary investigation that focuses on exploring scholarship and other narratives about military service, war-making and social change (e.g., changes in territorial integrity, sovereignty, national belonging, citizenship, gender and race); the impact of armed conflict and military service on individuals, communities, culture, politics and governments; and how societies remember and think about these things. The curriculum situates the veteran and military subject from a historical perspective, while examining and explaining veteran identities and cultures as a sequence of sociocultural events influenced by a variety of factors. In addition, a robust variety of elective coursework provides a systematic examination of veterans and military institutions as they evolve over time.

This bachelor's degree in history with a concentration in veterans, society and service also provides students with critical thinking and analysis skills needed throughout their career. Students in the program develop skills in:

- analyzing and assessing ideas and problems
- communicating effectively orally and in prose
- finding and evaluating information
- presenting clear and logical arguments

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSHISVSSBA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: History transcends a city, state, province, country, and even a continent. Study abroad (https://goglobal.asu.edu/) helps students dive deeper into their studies by providing the opportunity to experience firsthand the cultures and places where history has taken place.

Students are able to use these encounters to discover the interconnections of ideas and places at primary source sites.

**Career Opportunities:** Graduates are well prepared for careers in education, writing and other related fields. Prospects for careers as high school history and social studies teachers in Arizona are particularly strong.

With the skills gained in the program, graduates may find jobs in:

education

- college and university faculty
- middle school teachers
- high school teachers

legal professions

- court reporters
- law clerks
- lawyers
- paralegals and legal assistants

media and communication

- broadcast news analysts
- historians
- media and communication workers
- news columnists
- reporters and correspondents
- writers

public history

- archivists
- museum curators
- museum technicians and conservators

public service

- community advocates
- managers in veterans affairs organizations
- managers in veterans services and support organizations
- nonprofit administrators

The bachelor's degree also prepares scholars and teachers for graduate and professional studies.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## History of Science, Technology and Innovation, BA (LSHSIIBA)

**Campus:** Polytechnic

**Program Description:** The BA program in the history of science, technology and innovation provides students with a grounding in the social and intellectual issues central to understanding the role of science, technology and ideas from past to present.

This transdisciplinary degree program encourages students to combine coursework in the natural and applied sciences with historical and philosophical approaches to social knowledge.

Students majoring or minoring in the history of science, technology and innovation program graduate with a foundation for advanced work either in the humanities, the sciences or in transdisciplinary fields bridging written and technical work.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSHSIIBA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information on programs is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates are prepared for successful careers in a wide range of fields, including science and technical writing, consulting, museum studies, the digital humanities and other fields that benefit from transdisciplinary exchange. Graduates are also prepared to enter advanced programs in history and science as well as law and medical schools.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Integrative Social Science, BS (LSISSBS)

**Campus:** Polytechnic

**Program Description:** The BS program in integrative social science is designed to cross-educate students in the disciplines of the social sciences to meet the complex issues that confront human society in today's world. Modern social problems require a combination of policies, sociological interventions and economic infrastructure planning.

Theories from multiple social science disciplines provide the basis for effective decision-making and problem-solving. The emphasis of the program is the integration of theories and methodologies. In order to sharpen their skills for practical problem-solving, students need to understand how different disciples develop solutions.

Graduates of the program are prepared with theory and research skill sets that allow them to draw from the best of the multiple disciplines in the social sciences as they confront a technically sophisticated world.

**Additional Program Fee:** N

**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Integrative Social Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSISSBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students are able to enhance their understanding of societal structure and human interaction through unique cultural experiences found in study abroad (https://goglobal.asu.edu/). They gain heightened cultural competency, communication, and critical thinking skills while exploring a new and exciting part of the world.

**Career Opportunities:** Because of their mastery of the multiple methodologies of the social sciences, graduates of the program have many more professional opportunities available to them than their peers with single-discipline training.

Professionals with expertise in analyzing complex social and global issues are in high demand across sectors and industries, including business, public administration, politics and community organizations. Those who possess skills in the analysis of social phenomena and complex social problems are valuable to businesses and institutions relying on data-driven strategies for engagement and growth.

Career examples include:

- administrator
- government agent
- public relation specialist
- social and community service manager
- social science research analyst
- social scientist
- solutions resource specialist

**Contact Information:**
Integrative Sciences and Arts, College of

School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Interdisciplinary Studies, BA (LSBISBIS)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, Online

**Program Description:** The Arizona State University BA program in interdisciplinary studies, one of the top five in the country, offers students the freedom to select two areas of study, referred to as concentration areas, from a rich menu of more than 170 options. Students may explore concentration areas by interest area (https://cisa.asu.edu/ids-concentrations).

The core curriculum provides students with the intellectual tools to integrate their concentration areas, engage in transdisciplinary problem-solving, and prepare for careers and graduate programs that increasingly cross disciplinary boundaries. An interdisciplinary studies student could choose to integrate concentrations like business and project management, psychology and social welfare, communication and justice studies, public administration and ethics, digital culture and computer gaming, or many other unique combinations.

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary studies students take an active role in designing their educational plans and defining their career goals. The degree program emphasizes written communication, versatility, self-assessment and critical thinking --- essential skills for today's dynamic world.

Those interested in the online program for interdisciplinary studies may visit the ASU Online website for more information.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Liberal Studies (Film and Media Studies), MLSt
Liberal Studies, MLSt
Organizational Leadership, MS
Project Management, MPM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The program is available to all students in good academic standing who have achieved sophomore, junior or senior standing. Students should meet with an advisor to declare their major as interdisciplinary studies.

**Change of Major Requirements:** There are no additional requirements for current ASU students to change majors into this program; however, students interested in the interdisciplinary studies major are highly encouraged to meet with an advisor.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-interdisciplinary-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSBISBIS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying and interning abroad can be one of the most valuable tools for interdisciplinary studies students. Study abroad programs (https://goglobal.asu.edu/) provide students the opportunity to develop a valuable intercultural communication skill set that can give them an advantage in a future focused workforce.

The College of Integrative Sciences and Arts recommends these programs (https://goglobal.asu.edu/students/major/interdisciplinary-studies) for students majoring in interdisciplinary studies.

**Career Opportunities:** The flexibility of the interdisciplinary studies program allows graduates to take many exciting career paths after leaving ASU. While some complete graduate or professional degrees, others immediately enter the job market. For example, one graduate combined business and communication and now owns a small business; another integrated sociology and family studies to further a career in law enforcement; another studied philosophy and economics to prepare for law school; another combined biology and chemistry in preparation to pursue a master of pharmacy degree; and yet another studied Spanish and religious studies and now works as an employee trainer for a major company.

Possible career opportunities include:

- archivist or curator
- climate change analyst
- compliance manager
- computer network support specialist
- editor or web developer
- environmental restoration planner
- general and operations manager
- regulatory affairs manager
- higher education professional
- wholesale and retail buyer (except farm products)

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
USE 138
CISA@asu.edu
480-965-4464

# Interdisciplinary Studies (Organizational Studies), BA (LSORGBIS)

**Campus:** Online

**Program Description:** Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary students develop the intellectual tools needed to build bridges between academic disciplines and apply their skills, innovations and knowledge in various academic and practical settings.

The BA program in interdisciplinary studies with a concentration in organizational studies is intended for students seeking an interdisciplinary degree and who possess a desire to learn about the dynamics of contemporary organizations. Organizational studies students gain valuable knowledge of management styles, communication strategies, technologies, diversity, ethics and politics.

All coursework for organizational studies is offered online, giving students freedom and flexibility in completing their requirements.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Liberal Studies (Film and Media Studies), MLSt
Liberal Studies, MLSt
Organizational Leadership, MS
Project Management, MPM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-interdisciplinary-studies-organizational-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGBIS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer

experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying and interning abroad can be one of the most valuable options available for interdisciplinary studies students. Global Education programs (https://goglobal.asu.edu/) provide students in the organizational studies concentration with the opportunity to develop a valuable intercultural communication skill set that can give them an advantage in a future focused workforce.

The College of Integrative Sciences and Arts recommends these programs (https://goglobal.asu.edu/students/major/interdisciplinary-studies) for students majoring in interdisciplinary studies.

**Career Opportunities:** By engaging in a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, students prepare themselves for a range of professions, including:

- human resources specialists
- industrial organizational psychologists
- investment fund managers
- loss prevention managers
- management analysts
- regulatory affairs managers
- supply chain managers
- urban and regional planners

Many students majoring in organizational studies already have a chosen career field yet desire a degree that is versatile, flexible, meaningful and affords the opportunity for continued career development and advancement. Because of the flexibility of the program, graduates take many different career paths after finishing their degree. Recent graduates have found opportunities in many exciting fields, such as:

- business
- education
- health care administration
- nonprofit administration
- tourism

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
USE 138
CISA@asu.edu
480-965-4464

## Liberal Studies, BA (LABLSBLS)

**Campus:** Polytechnic, Online

**Program Description:** For students whose interests are too big for any one major, or degree-completion students looking for the best way to finish a bachelor's degree with earned credits, the BA program in liberal studies opens up the academic world for exploration.

The liberal studies major offers a course of study emphasizing the humanities and social sciences and gives students great flexibility in constructing their own educational path. Courses engage students in diverse ideas and perspectives, and students develop habits of mind beneficial in all areas of life. Liberal studies prepares students to meet the challenges of a complex world. It offers a path that enables students to prepare for a career or to change careers, to increase self-understanding, and to develop thoughtful engagement with other people and diverse cultures.

Liberal studies are the oldest form of higher education in the Western tradition, with roots going back to ancient Greece. It was realized early on that democracy depends on a population of educated people who can make and follow arguments, who can communicate clearly in a public forum, and who can learn how to learn about the important subjects affecting people's lives.

A liberal education is not the same thing as being politically liberal in the modern sense, as throughout history people from all political perspectives have made significant contributions to and drawn from the knowledge and skills that define a liberal education.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Data Science), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
Liberal Studies (Film and Media Studies), MLSt
Liberal Studies, MLSt
Organizational Leadership, MS
Project Management, MPM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Transfer Admission Requirements: The MyPath2ASU® pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students completing their ASU degree at Yuma: Once the MyPath2ASU® pathway requirements are complete, students complete the remaining requirements for the ASU bachelor's degree at the community college.

Students should visit Admission Services (https://admission.asu.edu/transfer) for more information about ASU degrees offered at local community colleges.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-liberal-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABLSBLS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The College of Integrative Sciences and Arts recommends these programs (https://goglobal.asu.edu/students/major/liberal-studies) for students majoring in liberal studies.

**Career Opportunities:** Liberal studies graduates are prepared to enter the workforce or pursue graduate or professional studies. Graduates are prepared for the following careers, as well as others:

- creative writer
- grant writer
- higher education professional
- public relations personnel
- research analyst
- training specialist

Some career options may require additional training or schooling.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
USE 138
cisa@asu.edu
480-965-4464

## Military Studies, AA (LSMILSTAA)

**Campus:** Online

**Program Description:** The AA in military studies is designed for a partnership with the U.S. Naval Community College to provide training to enlisted personnel sailors, marines and coast guards. The degree is a rigorous program that provides a comprehensive foundation of study in the history of war and warfare, history of regions identified in the National Defense Strategy, the U.S. foreign policymaking process, international relations theories, and U.S. political and military systems. Through the interdisciplinary curriculum, students gain the tools to use historical analysis, demonstrate critical thinking, and develop strong written and verbal communication skills. The program includes capstone research or an applied project in which students explore the role of the U.S. Navy in advancing the goals of the nation in the past, present or future.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students must be accepted to the U.S. Naval Community College to be admitted to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSMILSTAA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Career Opportunities:** Graduates of this program are prepared to further advance in careers in military service as well as to succeed in further undergraduate study in order to complete a bachelor's degree.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
USE 138
cisa@asu.edu
480-965-4464

## Organizational Leadership, AA (LSORGLAA)

**Campus:** Online

**Program Description:** This AA program in organizational leadership is designed to provide leadership training to active duty Navy, Marine Corps and Coast Guard enlisted personnel. This program uses transdisciplinary methods to prepare students to build a leadership foundation. Students learn useful skills applicable to any work or environment, regardless of assigned role, in organizations across all sectors: private, nonprofit, government and military. Students develop the skills that leaders need to solve problems, communicate effectively, assess programs, manage resources, and evaluate emerging technologies.

Students who complete the Associate of Arts can continue in an established transfer path to the BA program in organizational leadership and other ASU degree programs. The flexible Associate of Arts degree allows students to complete general education coursework and concentrated coursework in a second, disciplinary field to prepare for leadership in a specific industry or sector.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students must be accepted to the U.S. Naval Community College to be admitted to this program.

**Change of Major Requirements:** NO-DEGREE
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGLAA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Career Opportunities:** Graduates may pursue a variety of careers, such as:

- account manager
- deputy sheriff trainee
- executive assistant
- facilities manager
- housing assistant
- knowledge manager
- organization development consultant
- sales executive
- sales manager
- service manager
- supervisor

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/
USE 138
CISA@asu.edu
480-965-4464

## Organizational Leadership, BA (LSORGLBA)

**Campus:** Polytechnic, ASU at Cochise, ASU at Lake Havasu, ASU at Pima, ASU at Pinal, ASU at The Gila Valley, ASU at Yuma, ASU at Yavapai, Online

**Program Description:** The BA program in organizational leadership program uses transdisciplinary methods that prepare students to become leaders in organizations. Students develop the skills and knowledge that leaders need in order to solve problems, communicate effectively, assess programs, manage resources, and use emerging technologies in organizations.

Students who complete the program in Lake Havasu City choose from three focus areas: organizational behavior, organizational leadership and project management.

Students interested in completing the Bachelor of Arts program in the Gila Valley, Pinal County, Cochise County, Pima County, Yavapai County or Yuma are encouraged to complete a MyPath2ASU® program. Students should see admission requirements below.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap

in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Liberal Studies (Film and Media Studies), MLSt
Liberal Studies, MLSt
Organizational Leadership, MS
Project Management, MPM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Transfer Admission Requirements: The MyPath2ASU® pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students completing their ASU degree at Yuma: Once the MyPath2ASU® pathway requirements are complete, students complete the remaining requirements for the ASU bachelor's degree at the community college.

Students should visit Admission Services (https://admission.asu.edu/transfer) for more information about ASU degrees offered at local community colleges.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-organizational-leadership/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGLBA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs

The College of Integrative Sciences and Arts recommends these programs (https://goglobal.asu.edu/students/major/organizational-leadership) for

students majoring in organizational leadership.

**Career Opportunities:** Graduates possess skills and knowledge they need for a wide range of leadership positions in business, government, health care administration, nonprofit agencies, and the service industry.

Graduates may pursue a variety of careers, such as:

- account manager
- community relations manager
- director of employee services
- director of training
- diversity specialist
- knowledge manager
- organization development consultant
- service manager
- supervisor
- talent manager

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/organizational-leadership
USE 138
CISA@asu.edu
480-965-4464

## Organizational Leadership (Project Management), BA (LSORGLPMBA)

**Campus:** Polytechnic, Tempe, ASU at Cochise, ASU at Pima, ASU at Pinal, ASU at The Gila Valley, ASU at Yavapai, Online

**Program Description:** The BA program in organizational leadership with a concentration in project management offers a theoretical and skills-driven curriculum to prepare students to be excellent project managers and project management leaders.

Students learn to integrate leadership theory and practice in organizational leadership courses. They learn the skills and knowledge that leaders need to lead diverse teams, innovate, solve problems, communicate effectively, assess leadership and organizational effectiveness, manage resources and use emerging technologies in organizations. Students also acquire the skills necessary to manage complex projects: project leadership, project quality management, project risk management, project schedule management, project cost management and project resource management.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Liberal Studies (Film and Media Studies), MLSt
Liberal Studies, MLSt
Organizational Leadership, MS
Project Management, MPM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/organizational-leadership-project-management-ba/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGLPMBA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: The organizational leadership program uses transdisciplinary methods that prepare students to become world-class leaders in the contemporary and fast-paced global workplace. Through study abroad experiences, students develop the skills and knowledge that leaders need to solve problems, communicate effectively, manage complex projects and resources, and use emerging technologies in their organizations. Students can find more information on available programs on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates are prepared for a range of positions in the public and private sectors, including government, information technology, nonprofit agencies, businesses of many kinds and in the service industry. Graduates are prepared for jobs as technical project managers, project managers versed in the Agile methodology and others, senior project managers, portfolio or project managers or directors of project management. In addition, students may seek advanced study in the form of the Project Management Professional credential, graduate and postbaccalaureate degrees.

According to the U.S. Bureau of Labor Statistics, project manager salaries range anywhere from $74,000 to $100,000. The bureau also indicates that the average project manager receives a little more than $42 per hour in wages.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/organizational-leadership
USE 138
CISA@asu.edu
480-965-4464

## Organizational Leadership (Veterans, Society and Service), BA (LSORGLVSBA)

**Campus:** Tempe

**Program Description:** The BA program in organizational leadership with a concentration in veterans, society and service offers a skill-driven curriculum to prepare students to be excellent leaders and better serve veterans and those who serve the veteran community. Students learn to integrate leadership theory and practice in organizational leadership courses. They learn the skills and knowledge that leaders need to lead diverse teams, innovate, solve problems, communicate effectively, assess leadership and organizational effectiveness, manage resources, and use emerging technologies in organizations. Students also acquire the skills necessary to engage with veteran and military communities: being sensitive to others, counseling, facilitating group discussion, identifying appropriate resources, and providing support to others.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSORGLVSBA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: The organizational leadership program uses transdisciplinary methods that prepare students to become world-class leaders in the contemporary and fast-paced global workplace. Through study abroad experiences (https://goglobal.asu.edu/), students develop the skills and knowledge that leaders need to solve problems, communicate effectively, assess programs, manage resources and use emerging technologies in their organizations.

The College of Integrative Sciences and Arts recommends these programs (https://mystudyabroad.asu.edu/students/major/organizational-leadership) for students majoring in organizational leadership.

**Career Opportunities:** Graduates possess skills and knowledge needed for organizational leadership and veteran service positions in a wide range of organizations, such as business, government, nonprofit agencies and the service industry.

In addition to the examples listed below, career examples also include community health workers; social and community service managers; managers in veteran disaster preparedness and recovery organizations; and national, state and municipal leaders.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
USE 138
CISA@asu.edu
480-965-4464

## Political Science, BS (LSPOLBS)

**Campus:** Polytechnic

**Program Description:** The BS program in political science emphasizes broad capabilities valued in a highly skilled workforce, such as data analysis and effective communication as they apply to governance, policy and political theory, as well as the ability to critically review and analyze policy.

The curriculum allows students to explore how political science concepts can be applied within government and society while they develop research skills used across the social sciences. Students enjoy individual and group experiences and opportunities to work with skilled and experienced faculty on concrete intellectual and policy issues.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Integrative Social Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSPOLBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying abroad while learning political science adds a global component to students' education, increasing their ability to analyze complex socio-political issues and affording them skills and knowledge that prepare them to lead in their chosen career.

Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The program serves as good preparation for staff, manager or policy analyst positions in local, state and federal government. This degree is recognized by employers as qualification for many careers in business (for-profit and nonprofit) and industry. Opportunities may include positions that involve binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border.

Many students use the degree as a gateway to law school or as a basis for further study in such applied fields as:

- community development
- political science
- public administration
- public policy
- social science
- urban affairs
- urban and regional planning

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Psychology, BA (LSPGSBA)

**Campus:** Polytechnic

**Program Description:** Psychology is the scientific study of mind and behavior.

The BA program in psychology emphasizes critical thinking, empirical research methods and writing and adds practical experience through internships, service-learning and faculty-supervised research. The Bachelor of Arts program provides a broad foundation in psychology and affords students the flexibility to choose from a variety of courses outside the major.

Students have the opportunity to participate in faculty-led research labs on a wide range of topics, including:

- PLENA Research Lab (https://www.plenaresearch.org/ (https://www.plenaresearch.org/))
- Couples Coping with Stress Lab (https://ashleykrandall.wixsite.com/asucouplescoping (https://ashleykrandall.wixsite.com/asucouplescoping))
- Tran Ethnic and Minority Psychology and Experiences (TEMPE) Lab (https://sites.google.com/site/tempelab/about (https://sites.google.com/site/tempelab/about))

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 119 - Finite Mathematicsor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSPGSBA~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad students are exposed to unique differences in the human condition worldwide, are able to improve language and cross-cultural skills for effective communication, and are challenged to adapt under new social and cultural circumstances. Participating in one of the more than 300 Global Education programs (https://goglobal.asu.edu/) provides an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people.

The College of Integrative Sciences and Arts recommends these programs (https://goglobal.asu.edu/students/major/psychology) for students

majoring in psychology.

**Career Opportunities:** The Bureau of Labor Statistics shows that the outlook for job growth (2016 to 2026) for psychologists is 14%, which is faster than average.

A degree in psychology prepares students for a career in a variety of settings:

- consulting firms
- government (sales and marketing, human resources, research, administration, management)
- hospitals
- industries and organizations
- mental health agencies
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- health
- physiological
- social

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Psychology, BS (LSPGSBS)

**Campus:** Polytechnic

**Program Description:** Psychology is the scientific study of mind and behavior.

The BS program in psychology emphasizes critical thinking, reasoning, quantitative research and scientific writing.

Students have the opportunity to participate in faculty-led research labs on a wide range of topics. Some labs include:

- PLENA Research Lab (https://www.plenaresearch.org/ (https://www.plenaresearch.org/))
- Couples Coping with Stress Lab (https://ashleykrandall.wixsite.com/asucouplescoping (https://ashleykrandall.wixsite.com/asucouplescoping))
- Tran Ethnic and Minority Psychology and Experiences (TEMPE) Lab (https://sites.google.com/site/tempelab/about (https://sites.google.com/site/tempelab/about))

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 119 - Finite Mathematicsor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSPGSBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad students are exposed to unique differences in the human condition worldwide, are able to improve language and cross-cultural skills for effective communication, and are challenged to adapt under new social and cultural circumstances. Participating in one of the more than 300 Global Education programs (https://goglobal.asu.edu/) provides an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people.

**Career Opportunities:** The Bureau of Labor Statistics shows that the outlook for job growth (2016 to 2026) for psychologists is 14%, which is much faster than average.

A degree in psychology prepares students for a career in various settings:

- consulting firms
- government (sales and marketing, human resources, research, administration, management)
- hospitals
- industries and organizations
- mental health agencies
- social services (high school psychology teacher, occupational analyst)

The degree program also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- quantitative
- physiological
- social

**Contact Information:**
Integrative Sciences and Arts, College of
School of Counseling and Counseling Psychology
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Science, Technology and Society, BS (ECSTSBS)

**Campus:** Polytechnic

**Program Description:** The BS program in science, technology and society considers the impacts of science and technology on global and social issues. Information and communication technologies have changed the world in ways no one could have imagined 50 years ago. Everything from the way humans are born to how they die is driven by rapidly changing technologies. As these changes occur, it is important for organization managers and policymakers to understand the implications and respond accordingly.

The questions surrounding how science and technology are changing society are highly transdisciplinary and cultural. Students learn to understand the intricate interrelationships of science, technology and society and become prepared with technical skills and knowledge to promote change. This

extremely flexible program encourages students to focus on real-world social problems, with current and engaging topics such as:

- health and economic disparities
- housing and food insecurities
- identity politics
- social and political unrest
- social change
- technological divide

Problems of the world are complex and multidisciplinary and require a multifaceted approach. Addressing modern social problems often requires a combination of policies, sociological interventions and economic infrastructure planning. Theories from social science disciplines provide the basis for effective decision-making and problem-solving. Graduates of the program are prepared with theory and research skill sets that allow them to draw from the best of the multiple disciplines in the social sciences as they confront a technically sophisticated world.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Integrative Social Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECSTSBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in a Global Education program (https://goglobal.asu.edu/) is possible for all science, technology and society students. Students can benefit from a study abroad experience as it helps students increase their global knowledge and intercultural communication skills which can prepare them for graduate

and professional study as well as for leadership in careers, both domestic and international.

**Career Opportunities:** Graduates are prepared for graduate or professional study or professional careers in the public, nonprofit and governmental spheres and in roles such as:

- academics
- e-commerce analysts
- entrepreneurs
- political scientists
- public relations specialists
- science and technology directors
- social media coordinators

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Sciences and Arts
https://cisa.asu.edu/
SANCA 233
CISA@asu.edu
480-727-1526

## Technical Communication, BS (LSTECBS)

**Campus:** Polytechnic, Online

**Program Description:** Technical communication is applied workplace communication that makes technical or specialized information understandable and available to many different users. It involves using a range of technologies to craft an ever-expanding array of print and digital information products: websites, social media sites, help files, training materials, grants and proposals, and data visualizations, to name just a few.

Technical communicators work in many professional roles, such as information developers, grant writers, web interface designers or user experience specialists. What all of these roles have in common is the focus on creating accessible and appealing communication that has a practical purpose and is intended for a particular audience.

In the technical communication program, students learn how to analyze, write, design, produce and manage print and digital information using traditional and developing technologies.

The BS degree program in technical communication in the College of Integrative Sciences and Arts is the only undergraduate technical communication degree program available in the state of Arizona.

Those interested in the technical communication online program may visit the ASU Online website for more information.

This major is eligible for the Western Undergraduate Exchange program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-technical-communication/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Those who study abroad while learning technical communication will have an advantage in many workplaces. Understanding the global view of applied workplace communication, students become well-rounded communicators, able to utilize various print and digital information products to relate technical and specialized information. More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The Bureau of Labor Statistics estimates that job growth in technical writing and related areas will continue to be significantly higher than average during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers.

Students in the program prepare for careers such as these:

- communication manager
- content strategist
- data visualization specialist
- engineering support specialist
- information architect
- new media or social media specialist
- public relations specialist
- technical writer
- user experience specialist
- web content creator

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/tech-comm
SANCA 233
CISA@asu.edu
480-727-1526

## Technical Communication (Data Visualization), BS (LSTECDVBS)

**Campus:** Polytechnic, Online

**Program Description:** The data visualization concentration in the BS program in technical communication prepares students for the innovative work of collecting, processing and visualizing data in clear, accurate and dynamic ways to a range of audiences.

Students learn how to structure, model, clean and correlate data. They learn myriad types of data visualizations, how to develop and refine visualizations using a range of software, how to read and develop analytics dashboards, and how to communicate data-driven recommendations and findings. Students gain experience visualizing proportions, patterns over time, complex relationships and spatial data through graphics. They also learn about data visualization ethics, including how to spot misleading graphs and how to ensure the production of responsible and accurate visualizations.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/technical-communication-data-visualization-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECDVBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying abroad while learning about data visualization in the world of technical communication gives students an advantage in many workplaces. Understanding the global view of applied workplace communication, students become well-rounded communicators, able to utilize various print and digital information products to relate technical and specialized information. Students can find more information on available programs on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The field of data visualization continues to grow at a rapid pace. According to Market Watch, the global data visualization industry was valued at 8.8 billion dollars in 2019, and is expected to reach 19.2 billion by 2027. 43% of the market share is held in North America. Students in the program prepare for careers such as:

- communication managers
- computer and information systems managers
- data specialists or analysts
- data visualization developers
- digital designers
- big data engineers
- information architects
- market research analysts

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/tech-comm
SANCA 233

CISA@asu.edu
480-727-1526

# Technical Communication (Social Media Management), BS (LSTECSMMBS)

**Campus:** Polytechnic, Online

**Program Description:** Technical communication concerns communicating about, with and on technology. Social media is a rapidly developing aspect of the technology landscape. Thus, this social media management concentration in the BA program in technical communication concerns the management, history, theory, culture, practice and ethics of social media.

While the technical communication major gives students a wide look at how professional technical communicators do many types of work inside and outside of organizations, this concentration hones in on social media creation as a specific type of technical communication work. Students learn the practical aspects of social media creation alongside the history, legal concepts, ethical ideas and current concerns that shape and inform that practice. Students also learn how to understand existent and emerging social media in ways that will allow them to adapt and thrive in the constantly changing social media environment.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/technical-communication-social-media-management/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECSMMBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Those who study abroad (https://goglobal.asu.edu/) while learning technical communication will have an advantage in many workplaces. Understanding the global view of applied workplace communication, students become well-rounded communicators, able to utilize various print and digital information products to relate technical and specialized information.

**Career Opportunities:** The Bureau of Labor Statistics estimates that job growth in technical communication and related areas will continue to be significantly higher than average during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for technical communicators.

Graduates of the program are prepared for careers such as:

- communication manager
- content strategist
- data visualization specialist
- public relations specialist
- social media manager
- social media specialist
- technical writer
- user experience specialist
- web content creator

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/tech-comm
SANCA 233
CISA@asu.edu
480-727-1526

## Technical Communication (User Experience), BS (LSTECUBS)

**Campus:** Polytechnic, Online

**Program Description:** The user experience concentration of the BS degree in technical communication provides technical communication majors with an interdisciplinary foundation in communication, research and design that is central to the rapidly growing area of user experience.

The program provides students with a conceptual understanding and applied skills in methods of gathering user information, analyzing data and communicating research findings to stakeholders. Although its disciplinary home and primary focus is technical communication, the concentration includes courses from human systems engineering and graphic information technology in order to provide students with the multiple perspectives and complementary skills needed for user experience work.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsAny math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

User Experience, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/technical-communication-user-experience-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LSTECUBS~null + &college=CLS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students who have studied abroad (https://goglobal.asu.edu/) while learning technical communication have an advantage in many workplaces. Understanding the global view of applied workplace communication, students become well-rounded communicators, able to utilize various print and digital information products to relate technical and specialized information. Students also gain an understanding of who users may be and of cultural differences that may affect user needs.

**Career Opportunities:** Technical communicators with expertise in user experience have numerous career opportunities in growth areas such as user experience research, user-centered design, information design, interaction design, information architecture, content strategy and usability analysis.

**Contact Information:**
Integrative Sciences and Arts, College of
School of Applied Professional Studies
https://cisa.asu.edu/tech-comm
SANCA 233
CISA@asu.edu
480-727-1526

## Interdisciplinary Arts and Sciences, New College of

### Aging, BS (ASALDBS)

**Campus:** West

**Program Description:** The world's population is rapidly aging as older adults now compose the largest-ever demographic segment. While longer life spans are an enormous gain for human welfare, this rapid shift presents tremendous challenges including health care costs, labor-force shortages, and long-term care demands.

ASU's BS program in aging offers students the opportunity to develop skills in identifying challenges and developing solutions critical to managing these profound demographic trends. Completing courses like Communication and Aging, Aging and the Life Course, and Supporting the Health of Older Adults gives students the skills and mindset to contribute solutions as the proportion of retired adults increases faster than that of persons in the workforce. Completion of the degree includes a culminating experience such as a capstone project or internship experience for experiential learning opportunities beyond the classroom.

This Bachelor of Science program prepares students to be leaders in this burgeoning field. Students learn to develop solutions in areas of personal finance, transportation, increased demands for health care, assisted-living options and recreation needs for an aging population.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap

in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASALDBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 Global Education programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Career opportunities for graduates of the degree program in aging include advising organizations to better serve older adults, researching service delivery modalities, developing policies for public and private organizations or providing services directly to older populations. Employment in associated career fields is expected to increase commensurately with the needs of a growing and diverse population. People working with aging populations are employed in public and private agencies dealing with a wide variety of social issues, including:

- access to primary and specialized health care
- assisted-living facility management
- disabilities
- discrimination
- elder abuse and family support
- health, mental health and end-of-life decisions
- housing
- recreational opportunities
- transportation

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu
FAB N101
sbsadvising@asu.edu
602-543-3000

## Applied Computing, BS (ASACOBS)

**Campus:** West

**Program Description:** Students in the BS program in applied computing learn a computer science foundation and then explore the established knowledge and emerging developments in the high-demand areas of database systems, computer networks and cybersecurity. The program also provides the opportunity to investigate interdisciplinary connections, including the combination of computing with its real-world application in other disciplines through concurrent degrees and minors.

Hands-on class projects, internships, industry partnerships and authentic and impactful research conducted with faculty provide numerous opportunities for students to apply their knowledge before they graduate. Students use their programming expertise, systems knowledge and critical thinking skills to effectively problem-solve and articulate their experience through presentations, scientific posters and professional papers.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 251 Calculus for Life Sciences
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biological Data Science, MS
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASACOBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad. A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

With more than 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

**Career Opportunities:** Graduates are prepared to integrate technology with human activities, respond to global changes, solve problems, and create and manage the technological production of information and creative products.

Core information technology industries are among the fastest growing sectors in the U.S. economy. Graduates find employment opportunities with corporations and businesses, nonprofit and government agencies, digital arts media industries and in the academic world.

With a depth of knowledge and experience in information technology best practices, graduates have a strong foundation in systems with established interconnections among these fields that prepares them for graduate study and for careers that include cybersecurity analysts, database architects and network engineers.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASACOBS/undergrad/false/1
FAB N101
mnsadvising@asu.edu
602-543-3000

## Applied Computing (Cybersecurity), BS (ASACOCBS)

**Campus:** West

**Program Description:** The innovative cybersecurity concentration builds upon the BS degree program in applied computing.

Students acquire the technical knowledge of how to secure networks and applications; an understanding of cybersecurity governance models and risk management fundamentals; methods of communicating complex risk issues; and solutions for the challenges of implementing cybersecurity controls within various organizational models. Leadership, critical thinking and effective communication also are emphasized.

Students gain experience with real-world cybersecurity organizations, protecting digital assets against compromise or theft.

The cybersecurity concentration prepares students for a continuing and progressive career in cybersecurity.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 251 Calculus for Life Sciences
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASACOCBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable experience when studying abroad, experience which enhances their resumes. With more than 300 programs available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. Students focusing on cybersecurity are able to gain hands-on experience in programs in a variety of countries around the world. In a competitive field, graduates stand out with the heightened cultural competency, leadership and critical thinking skills they acquired when studying abroad.

**Career Opportunities:** This is an ideal degree for students interested in careers in cybersecurity. Opportunities are available both in the private sector and within governmental agencies (e.g., the FBI, U.S. Department of Homeland Security, the National Security Agency and the Department of Defense).

Graduates of the applied computing program with a concentration in cybersecurity are well prepared for graduate study as well as entry-level employment with businesses, nonprofits, government agencies and academic institutions. Cybersecurity-focused positions include:

- chief information security officer
- cyber risk analyst
- information security engineer
- network security engineer
- security operations center analyst

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASACOCBS/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Applied Mathematics, BS (ASMATBS)

**Campus:** West

**Program Description:** The BS program in applied mathematics emphasizes quantitative problem-solving and critical thinking through courses that expose students to a variety of mathematical theories, techniques and applications currently used by analysts and researchers in government, industry and nonprofit organizations.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biological Data Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASMATBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad enables students in applied mathematics to gain valuable hands-on experience in another part of the world. With more than 300 programs available, they can tailor their experience to their unique interests and skill sets.

Participation in study abroad provides students with the heightened cultural competency and leadership and critical thinking skills that will enhance their resumes and help them stand out in a competitive career field.

More information on available programs can be found on the Global Education Office (https://goglobal.asu.edu/) website.

**Career Opportunities:** Graduates are prepared for entry-level positions in industry, finance, government, nonprofit organizations and education. They also may pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics and computer science), and their career opportunities may involve:

- applied mathematical networks
- financial mathematics
- general applied mathematics
- mathematical biology
- operations research

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASMATBS/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Applied Science, BAS (ASBASBAS)

**Campus:** West

**Program Description:** The BAS program is for students who have already earned a community college AAS degree. The program allows students to apply the technical knowledge gained from their associate degree and significantly broaden their education through completion of a concentration of their design that expands on the coursework completed in their AAS or by creating a new concentration in a different area of study.

The program includes a unique, personalized area of concentration tailored to the student's individual interests and career goals. The possibilities include applied computing, applied ethics, biology, biomedical research, business, conflict resolution, communication, creative writing, cybersecurity, English, environmental science, film and video studies, forensic psychology, forensic science, interdisciplinary arts and performance, risk communication, peace studies, political science, psychology, Spanish and statistics.

The program also includes an internship experience.

Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students who have earned an Associate of Applied Science from an accredited institution may transfer 60 credit hours toward the Bachelor of Applied Science degree.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N

**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
English, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

**Change of Major Requirements:** A current ASU student must hold an Associate of Applied Science degree in order to change the major to this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASBASBAS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all applied science students. Students can tailor their educational experience abroad to their unique interests and skill sets. Students are able to gain hands-on experience in programs in a variety of countries around the world and gain cultural competency, leadership and critical thinking skills that prepare them to lead in their chosen career.

**Career Opportunities:** Because the program allows students to tailor their concentration, graduates are prepared for a wide range of career opportunities as well as graduate programs in fields such as law, business, social sciences and education.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASBASBAS/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Biology, BA (ASLSCBA)

**Campus:** West

**Program Description:** The BA program in biology with an emphasis in the natural sciences examines the interdisciplinary nature of the life and physical sciences, focusing on the ways in which these disciplines intersect. The program's organization and flexibility allows students to simultaneously study another subject outside their major. Students are encouraged to add a minor or concurrent degree in another subject area.

Students gain hands-on experience as they work both in small groups and one-on-one with individual faculty members. Students may participate in cutting-edge scientific research by assisting in faculty research laboratories and even publish in top journals and present their results at regional and national scientific meetings.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Biological Data Science, MS
- Communication Studies, MA
- Social Justice and Human Rights, MA
- Social Technologies, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: In a competitive field, unique experiences and community engagement help students stand out. With opportunities to intern, research, and learn internationally, study abroad provides cultural immersion that can challenge students and enable them to improve their language skills.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** Graduates are prepared for entry-level jobs in research, nonprofit, education and outreach organizations and for other roles in the life sciences.

Graduates have a wide variety of options, including pursuing graduate studies or seeking careers in areas that include:

- environmental management and conservation
- health professions
- laboratory research
- primary and secondary school teaching
- science advisement to businesses and government
- science writing

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASLSCBA/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Biology, BS (ASLSCBS)

**Campus:** West, ASU at Lake Havasu

**Program Description:** The BS program in biology with an emphasis in the natural sciences examines these disciplines through experiential learning. By learning in an integrative environment that emphasizes the connectedness of the life sciences, students gain a better understanding of larger scientific concepts and can view these concepts from multiple perspectives.

All the program's core courses include laboratories.

Students are encouraged to conduct independent research under the mentorship of faculty members or during internships. Some even publish in top journals and present their results at scientific meetings.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 251 Calculus for Life Sciences or STP 226 Elements of Statistics
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students studying biology have a wide range of opportunities they can pursue. With more than 300 programs available, study abroad allows students to tailor their educational experience to their unique interests and skill sets. Students can expand their knowledge of how science impacts society through a variety of cultures and can develop global skills and knowledge to prepare them to lead in their career.

More information on available can be found on the Global Education Office (https://goglobal.asu.edu/) website.

**Career Opportunities:** This program prepares graduates for a wide range of careers by offering course and laboratory work and quantitative research opportunities that develop fundamental problem-solving, critical thinking, writing and communication skills. Graduates may enter careers in:

- business
- laboratory or field research
- medicine
- publishing
- scientific journalism
- teaching

Undergraduate laboratory experience, both on and off campus, enhances employability as a laboratory technician or research associate in university and government research laboratories; in hospital and diagnostic laboratories; and in pharmaceutical, biotechnology, agricultural and food processing companies.

Students engaged in field studies are prepared for entry-level positions in private companies and state and federal agencies, such as wildlife biologist, environmental consultant or conservation officer. They are also prepared for graduate or doctoral programs in human or veterinary medicine, pharmacy, dentistry or scientific research.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASLSCBS/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Biology (Pharmacology/Toxicology), BS (ASLSCPBS)

**Campus:** West

**Program Description:** The pharmacology and toxicology concentration of the BS program in biology provides an emphasis in the biochemical,

molecular and physiological components of chemical and body interactions.

The degree program emphasizes experiential learning, and all required core courses have laboratories. By learning in an integrative environment that emphasizes the connectedness of the disciplines, students gain a better understanding of larger scientific concepts and they can view these concepts from multiple perspectives. To have a thorough understanding of the interactions of chemicals in the biological system, students study both biology and chemistry and become familiar with chemical interactions at physiological, molecular and cellular levels.

Undergraduates have the opportunity to conduct independent research under the mentorship of faculty members or in internships outside the school.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 251 Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLSCPBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable, resume-building experience by studying abroad. With more than 300 programs available, study abroad (https://goglobal.asu.edu/) allows students to tailor their educational experience to their unique interests and skill sets. Students pursuing the pharmacology and toxicology concentration can expand their knowledge of how science impacts society in a variety of cultures and gain the global skills and knowledge they need to be able to lead in their career.

**Career Opportunities:** Graduates are prepared for occupations such as:

- risk assessor
- laboratory researcher
- pharmacist
- physician
- physician's assistant
- veterinarian

They may work in governmental agencies or private companies in areas such as:

- clinical trials
- product safety evaluation
- regulatory affairs
- teaching

Graduates are also prepared for entry-level employment in the growing field of environmental toxicology as well as for graduate and professional programs in pharmacology and toxicology.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASLSCPBS/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Biotechnology and Bioenterprise, BS (ASBITEBS)

**Campus:** West

**Program Description:** The BS program in biotechnology and bioenterprise provides students with essential transdisciplinary and practical experience in biotechnology research. Students acquire the associated business and entrepreneurship skills needed for developing and marketing biotechnological innovations and solutions to problems that face the biotechnology and health sciences communities in Arizona, the nation and beyond.

The program emphasizes coursework in the biological, biomolecular and biotechnological sciences, which are key components that underpin biotechnology. Students may tailor the degree to their specific interests and aspirations through focus areas in biotechnology, bioentrepreneurship and biostatistics.

The program is unique due to its focus on blending biotechnology and entrepreneurship.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** First math varies depending on the focus area chosen.
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASBITEBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: When studying abroad (https://goglobal.asu.edu/), students gain valuable experience in diverse settings. Students deepen their understanding of biotechnology and bioenterprise by enhancing their knowledge of research methods across the globe and through exposure to global startups and how countries approach entrepreneurship. Those who study abroad gain heightened skills in communication, critical thinking and leadership that enhance their resumes and give them a competitive edge in their chosen career field.

**Career Opportunities:** Graduates of this program are prepared for such careers as:

- bioentrepreneur
- cell biologist
- clinical trials manager
- educator
- laboratory researcher
- microbiologist
- patent agent
- portfolio manager
- project manager
- regulatory affairs manager

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASBITEBS/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Communication, BA (ASCOMMBA)

**Campus:** West, ASU at Lake Havasu

**Program Description:** The BA program in communication is a broad-based program that trains individuals to speak and write competently, manage relationships well, solve problems effectively, and understand the role and function of communication in public forums, organizational settings, relational exchanges and intercultural situations.

The curriculum provides an extensive understanding of the practical, theoretical and professional distinctions of today's field of communication. Utilizing the nationally recognized CommLabASU, students perform in-depth study of what contributes to and detracts from effective human communication, recognizing that the art of communication is far more nuanced than simple speaking and writing prowess.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
English, MA
Global Management, MGM
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCOMMBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Communication students gain intercultural experience through tailored study abroad programs. Students improve language and cross-cultural skills for effective communication, develop critical teamwork and problem-solving skills, and expand their knowledge of the liberal arts through lenses of different cultures.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** The Bachelor of Arts in communication prepares students for careers in social media and technology, global communication, public relations and strategic communications, risk and crisis communication, communication training and mentoring, sport communication and communication philosophy. Because communication skills are crucial to many professions, graduates work in a variety of fields, including:

- customer service and customer relations
- health and human services
- human resources
- lobbying
- management
- marketing
- media and public relations
- mediation

- social media design and implementation
- training and development

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASCOMMBA/undergrad/false/3
FAB N101
sbsadvising@asu.edu
602-543-3000

## Communication, BS (ASCOMMBS)

**Campus:** West, ASU at Lake Havasu

**Program Description:** The communication program prepares students to do far more than give a speech or two in front of their peers. It provides an extensive understanding of the practical, theoretical and professional distinctions of today's field of communication and equips students with the skills they need to convey complex ideas clearly and effectively through both the spoken and written word.

In the nationally recognized CommLabASU, this program trains and prepares students for in-depth study into what contributes to and detracts from effective human communication, recognizing that the art of communication is far more nuanced than simple speaking and writing prowess.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
English, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCOMMBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Communication students gain intercultural experience through tailored study abroad programs. Students improve language and cross-cultural skills for effective communication, develop critical teamwork and problem-solving skills, and expand their knowledge of the liberal arts through lenses of different cultures.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** Graduates are trained in effective communication skills; are able to speak and write well; can convey complex ideas effectively; and are able to perform various forms of data analysis, communication assessment and technical reporting. They are prepared for employment in communication-intensive fields and for further graduate study in the social sciences, law, humanities and management. Graduates work in communications-intensive fields such as:

- advertising
- community education
- corporate communications
- crisis management
- customer service and customer relations
- health communication
- human resources management
- media and public relations
- new media
- social media
- training and development

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASCOMMBS/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

## Computational Forensics, BS (ASCPFBS)

**Campus:** West

**Program Description:** The BS degree program in computational forensics is a multidisciplinary degree program that encompasses areas of physical, biological and social sciences with an additional focus on statistics and computation.

In this program, students develop the quantitative and computational methods that assist basic and applied research efforts in forensic science, establish or prove scientific basis in investigative procedures, and support forensic examiner casework. Through modeling, computer simulations and computer-based analysis and recognition, students gain an in-depth understanding of the forensic science discipline, the scientific method and the systematic approach to forensic science.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCPFBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Computational forensic students can study abroad and gain skills employers demand, like leadership, communication and critical thinking skills. When immersed in another culture, students can earn credits in their major while broadening their horizons.

With over 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** The demand for forensic scientists is increasing according to the U.S. Bureau of Labor Statistics. With computation and statistics driving many technological advances, this interdisciplinary degree program prepares students for employment in a range of jobs or to continue on to advanced study of quantitative programs in graduate school.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Interdisciplinary Forensics
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASCPFBS/undergrad/false/1
FAB N101
sifadvising@asu.edu
602-543-3000

## Conflict Resolution, BA (ASCNRBA)

**Campus:** West

**Program Description:** The BA program in conflict resolution introduces students to theories and practices that enable them to understand, address and transform conflict while dealing with challenges both at the micro and macro levels in professional and cross-cultural contexts and in individual and collective interactions.

Taking an interdisciplinary approach while being grounded in communication, graduates of the program are ready to pursue further education or careers in several diverse areas.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASCNRBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students who study conflict resolution abroad gain cultural competency and an expanded worldview, enabling them to resolve issues not only within the work place but also within international partnerships. This enhanced education and skill set can help with job acquisition.

With over 300 programs in more than 65 countries, opportunities exist for study abroad nearly anywhere students want to go.
https://goglobal.asu.edu/ (https://goglobal.asu.edu/)

**Career Opportunities:** Graduates have great career prospects in business, education, government, nongovernmental agencies, law, health care advocacy, public and government administration, mediation and advocacy.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASCNRBA/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

## Disability Studies, BA (ASDISASBA)

**Campus:** West, Online

**Program Description:** Disability is a basic feature of human diversity. In fact, people with disabilities form the largest minority group in the United States, making up approximately a quarter of the population. Disability studies has become an increasingly prominent academic field, providing students with a multifaceted understanding of the social, cultural, political and economic dimensions of disability.

The BA degree program in disability studies prepares students to make a positive impact on society. Students learn to confront the marginalization of people with disabilities and to acquire skills in research, advocacy and policymaking that are increasingly important in a range of professions.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-disability-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASDISASBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students deepen their understanding of the diversity and complexity of the world when studying abroad. Study abroad provides a unique opportunity for students to add cultural knowledge to their studies on disability. When studying abroad, students expand their scope of learning and gain personal and professional experience beyond the comfort zone of their home country.

With over 300 programs in more than 65 countries, opportunities exist nearly anywhere students want to go. More information on available programs can be found on the Global Education Office (https://goglobal.asu.edu/) website.

**Career Opportunities:** Graduates from this program find career opportunities in many fields, such as the arts, business, civil service, counseling, education, government, health care, law and social work as well as with community and nonprofit organizations.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASDISASBA/undergrad/false/5
FAB N101
harcsadvising@asu.edu
602-543-3000

# English, BA (ASENGBA)

**Campus:** West

**Program Description:** The BA program in English utilizes literature to explore the social, environmental and political challenges of the day while teaching students in-demand skills for future focused jobs. Courses in writing, literature, rhetoric, film and culture recreate traditional approaches to the study of English by engaging today's central issues and questions.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA
Global Management, MGM
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENGBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu) broadens students' perspectives by exposing them to new and unique cultures, communities and people. Students can explore the English language at a deeper level through an expanded lens of dialects, literature and terminology in one of more than 300 Global Education programs. Students who study abroad gain heightened cultural competency and communication and critical thinking skills, which enhance their educational experience and their resumes.

**Career Opportunities:** Graduates are prepared for graduate study programs including in education, creative writing, literary history, rhetoric, composition, and public policy; for professional training in law, business, teaching and public policy; and for careers in marketing, public relations, government, diplomacy and community work, among others. Majors, minors and those enrolled in the writing certificate program prepare for the

many professions in which problem-solving, creativity, research strengths, writing, interpersonal and digital skills are necessary and valued.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASENGBA/undergrad/false/5
FAB N101
harcsadvising@asu.edu
602-543-3000

## English (Secondary Education), BA (ASENGSEBA)

**Campus:** West

**Program Description:** The BA program in English with a concentration in secondary education provides rigorous content in literature, composition, linguistics and secondary teaching, extensively preparing students to meet the needs of all student populations, including attention to levels of student academic performance and cultural and linguistic diversity.

The demand for teachers in Arizona is high. Students complete their teaching internship in school districts in the greater Phoenix area or for one of the 22 Native American nations in Arizona.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENGSEBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students wishing to pursue a future in education must understand the diverse set of experiences, backgrounds and cultures that shape the students in their classrooms. Secondary education concentration students can enhance their English degree with a study abroad program, in which they can gain firsthand experience within a wide range of cultures and communities.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** Graduates of the program earn Arizona Department of Education certification for middle and high school English language arts and are prepared for careers as secondary school teachers.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASENGSEBA/undergrad/false/5
FAB N101
harcsadvising@asu.edu
602-543-3000

## Environmental Science, BA (ASENVBA)

**Campus:** West, ASU at Lake Havasu

**Program Description:** The study of human impact on the earth's ecosystems and resources has become increasingly important over the past 20 years. The BA degree program in environmental science is dedicated to preparing students to become graduates who will be able to find solutions to today's critical environmental challenges posed by pollution and climate change.

This degree program is founded on established environmental basics, ensuring that students are well-versed in biological study, including molecular, organismal and ecosystem biology. Students gain competency in chemistry, statistics and geographic information systems.

The world-renowned faculty conduct research across the globe, and they engage students in the process of creating new scientific knowledge that, in turn, impacts a rapidly changing world.

Rounding out student preparation, the program includes a focus on the management and communication skills necessary in various environmentally specific careers.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Biological Data Science, MS
- Communication Studies, MA
- Environmental and Resource Management (Water Management), MS
- Environmental and Resource Management, MS
- Social Justice and Human Rights, MA
- Social Technologies, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENVBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: The natural world is complex and diverse, changing quickly from one biome to the next. Not only is the physical environment varied across the globe, so is the human treatment of it. Students who study abroad gain a deeper understanding of the global environment, how culture affects the environment and how to best communicate environmental research to a diverse audience.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** Career opportunities for graduates of this program include employment in environmental policy, management or leadership positions in federal and state agencies, local municipality planning offices, private consulting firms, and nongovernmental and nonprofit organizations. Graduates of the program are also well qualified to pursue graduate studies in relevant areas of the natural sciences.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASENVBA/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Environmental Science, BS (ASENVBS)

**Campus:** West, ASU at Lake Havasu

**Program Description:** The BS degree program in environmental science is dedicated to finding solutions to the challenges posed by climate change.

The study of human impact on the earth's ecosystems and resources has become increasingly important over the past 20 years. This degree program is founded on established environmental basics, ensuring that students are well-versed in biological study including molecular, organismal and ecosystem biology. Students gain competency in chemistry, statistics and geographic information systems. Rounding out student preparation, the degree includes a focus on the management and communication skills necessary in various environmentally specific careers.

This degree prepares students to become graduates who will find innovative and sustainable solutions to today's critical environmental challenges, including pollution and climate change. The world-renown faculty conduct research across the globe and engage students in the process of creating new scientific knowledge that, in turn, will impact a rapidly changing world.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who

select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 251 Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry I
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biological Data Science, MS
Environmental and Resource Management (Water Management), MS
Environmental and Resource Management, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASENVBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: The natural world is complex and diverse, changing quickly from one biome to the next. Not only is the physical environment varied across the globe, so is the human treatment of it. Students who study abroad gain a deeper understanding of the global environment, how culture affects the environment and how to best communicate environmental research to a diverse audience.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** Career opportunities for graduates of this program include employment in federal and state agencies, such as the U.S. Bureau of Land Management, U.S. Environmental Protection Agency, and U.S. Forest Service, and in private consulting firms and nongovernmental and nonprofit organizations. Graduates of the program also are well qualified to pursue graduate studies in relevant areas of the natural sciences.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASENVBS/undergrad/false/437

FAB N101
mnsadvising@asu.edu
602-543-3000

## Exploratory Applied Computing, Mathematics and Technology,  (ASACMTEXPL)

**Campus:** West

**Program Description:** Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide students the opportunity to discover the options available at ASU, and they are provided the time, resources and guidance needed to assess their skills, interests and aptitudes.

Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. The exploratory applied computing, mathematics and technology program also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest in these fields.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  117 - College Algebraor MAT 170 Precalculus or MAT 210 Brief Calculus or MAT 251 Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry 1
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASACMTEXPL~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring applied computing, mathematics and technology on the global scale can be beneficial to students when narrowing their focus of study. While taking various general education courses through study abroad (https://goglobal.asu.edu/), students are able learn more about themselves and what career path they want to pursue. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Career opportunities are specific to the ultimate major of choice.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASACMTEXPL/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Exploratory Health and Life Sciences,  (ASHSCIEXPL)

**Campus:** West

**Program Description:** Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide students an opportunity to discover the options available at ASU, and they are provided the time, resources and guidance needed to assess their skills, interests and aptitudes.

Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  117 - College Algebraor MAT 170 Precalculus or MAT 210 Brief Calculus or MAT 251 Calculus for Life Sciences or MAT 270 Calculus w/Analytic Geometry I
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHSCIEXPL~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring health and life sciences on the global scale (https://goglobal.asu.edu/) can be beneficial to students when narrowing their focus of study. While taking various general education courses abroad, students are able learn more about themselves and what career path they want to pursue. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Career opportunities are specific to the ultimate major of choice.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASHSCIEXPL/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Exploratory Humanities, Fine Arts and Design,  (ASHUFAEXPL)

**Campus:** West

**Program Description:** Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory

programs provide students an opportunity to discover the options available at ASU, and they are provided the time, resources and guidance needed to assess their skills, interests and aptitudes.

Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. The exploratory humanities, fine arts and design program allows students to take some time to explore a variety of academic courses that may lead to a potential major interest in these fields.

**Additional Program Fee:** N
**Second Language Requirement:** N
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 credit hours while they are an exploratory student.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHUFAEXPL~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring humanities, fine arts and design on the global scale can be beneficial to students when narrowing their focus of study. While taking various general education courses through study abroad, students are able learn more about themselves and what career path they want to pursue.

Students earn ASU credit for completed courses while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Career opportunities are specific to the ultimate major of choice.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASHUFAEXPL/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Exploratory Social and Behavioral Sciences, (ASSBSEXPL)

**Campus:** West

**Program Description:** Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide an opportunity to discover the options available at ASU.

Students are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a

variety of academic courses that may lead to a potential major interest.

**Additional Program Fee:** N
**Second Language Requirement:** N
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSBSEXPL~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring social and behavioral sciences on the global scale can be beneficial to students in narrowing down their focus of study. While taking various general education courses abroad, students are able learn more about themselves and what career path they want to pursue. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Career opportunities are specific to the ultimate major of choice.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSBSEXPL/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

## Forensic Science, BS (ASFOREBS)

**Campus:** West, Online

**Program Description:** Forensic science is the study and application of scientific methods to matters of law.

The BS degree program in forensic science at ASU is built on a solid foundation in both biology and chemistry, which develop students' basic and upper-level laboratory skills. Students complete holistic, rigorous coursework in the natural and mathematical sciences to adequately prepare for entering a competitive workforce. The interdisciplinary nature of the program is uniquely positioned to train students in forensic techniques ranging from crime scene collection, evidence analysis and mock courtroom testimony.

Along with completing coursework and gaining the necessary scientific skills to succeed in this field, students have the opportunity to gain practical experience in a laboratory setting by being involved in research or an internship. Students can conduct research under experts of varying forensic fields, including biology, entomology and anthropology. Students also may seek to apply for and participate in forensic science internships sponsored by crime labs around the country. Internships are highly competitive.

Job applicants and students seeking a volunteer or internship position within a crime lab are required to undergo an extensive background check that includes a polygraph exam, fingerprinting and drug testing. Actions that can disqualify an applicant include recent or past illicit drug use (including marijuana), felony convictions and drunk driving convictions.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 251 Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/forensic-science-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASFOREBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: Students can learn about science and law enforcement in other countries through study abroad. Being immersed in another culture broadens horizons and develops professional skills such as cross-cultural communication and critical thinking.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** Scientific and technological advances in the field of forensic science as well as continually increasing caseloads in law enforcement are projected to increase the number of forensic science technicians needed over the next decade. The U.S. Bureau of Labor Statistics estimates that between 2016 and 2026 employment of forensic science technicians will increase 17%, an average increase much greater than in most occupations.

Graduates of the forensic science program are prepared to enter the workforce in crime labs and private forensic science labs at the local, state and federal levels. Graduates also are prepared for graduate programs in forensic science, law school, medical school and related fields.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Interdisciplinary Forensics
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASFOREBS/undergrad/false/1
FAB N101
sifadvising@asu.edu
602-543-3000

## Gender, Women and Sexuality Studies, BS (ASWSTBS)

**Campus:** West

**Program Description:** The BS degree program in gender, women and sexuality studies is an interdisciplinary academic program. Students examine the cultural and social construction of gender; explore the history, experiences and contributions of women to society; and study the influences of gender at a micro and macro level.

Consistent with the university's design imperatives of social embeddedness and use-inspired research, the program's course offerings, research initiatives and cocurricular programs further the understanding of women and gender and promote social justice. Students gain a solid knowledge base and educational foundation as well as the critical thinking skills necessary for dealing with changing gender roles in society.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
English, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASWSTBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can explore the impact of culture, race, religion and law on gender norms and equality through one of more than 300 unique study abroad experiences. Study abroad programs offer students a global perspective and knowledge in preparation for their future-focused career.

Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates are prepared for further study in graduate or professional programs as well as for careers in a variety of settings, including health care services, human resources development, public and business administration and social services.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/women-and-gender-studies
FAB N101
harcsadvising@asu.edu
602-543-3000

## History, BA (ASHISBA)

**Campus:** West

**Program Description:** The BA degree program in history introduces students to a broad span of history that covers the ancient world through the modern period and extends from Europe to Latin America and the United States.

In addition to learning about the origins and development of various peoples, ideas and institutions of the past, students engage in the practice of history by learning to conduct research, analyze historical evidence and formulate arguments using historiographical perspectives and methodological approaches.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
English, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)

Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHISBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) provides students studying history a great opportunity for visiting historical sites elsewhere in the world. Students gain a better understanding of the history of other regions when living in them and seeing the marks the past has left behind. History students can pursue opportunities that enable them to hear firsthand from locals living in different regions and to experience different perspectives on the past.

**Career Opportunities:** Graduates of this program are prepared for graduate study, for professional degree programs and for careers in which critical thinking, research and writing skills are highly valued, such as journalism, editing, law and civil service.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASHISBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## History (Secondary Education), BA (ASHISSEBA)

**Campus:** West

**Program Description:** The flexible BA degree program in history with a concentration in secondary education fully prepares students considering a career in education for teaching and certification and provides all the disciplinary knowledge of a traditional history degree. Students understand history in all its depth while developing strong critical reading, writing and research skills as well as skills in oral presentation.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASHISSEBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) is a great opportunity for students studying history who wish to eventually become educators of the subject. Students can gain a better understanding of the past by studying the history of a place while living there. History students can hear narratives from locals in different regions of the world and experience a different perspective of the past, both of which can be present when educating their own students in their future classrooms.

**Career Opportunities:** Graduates possess the strong, practical teaching tools necessary to successfully teach middle or high school students. With the ability to find and evaluate evidence, form arguments and present analysis, graduates also are well suited for careers in a wide range of industries and fields of work, and they have a solid foundation for graduate work in teaching, law, business and many other fields.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASHISSEBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Interdisciplinary Arts and Performance, BA (ASIAPBA)

**Campus:** West, Online
Accelerated options for this program are not currently available to ASU Online students.
**Program Description:** The BA program in interdisciplinary arts and performance is leading the way in interdisciplinary arts nationally, breaking traditional boundaries and allowing students to take their talents to new heights. Throughout the curriculum, the emphasis on interdisciplinary arts is continually inclusive, expanding, evolving and innovative, allowing students the ability to shape their own unique creative pathways.

Students in both the online and immersion programs engage with nationally and internationally known faculty in collaborative investigation of many artistic disciplines in preparation for the complex and changing world through current approaches to aesthetic innovation.

Students in this major engage in practical and theoretical studies of visual, sonic, performance, game and interactive arts to become versatile artists.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
English, MA
Interdisciplinary Studies (Interdisciplinary Arts and Performance), MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASIAPBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Performance and art transcend the boundaries of language and culture. Through unique study abroad experiences, interdisciplinary arts and performance students are able to deepen their understanding of their field and acquire a global lens on the influence of culture on their art.

Students can achieve heightened cultural competency and communication and critical thinking skills in any of the more than 300 study abroad programs available. More information is available on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates of the interdisciplinary arts and performance program have received extensive preparation for advanced education or careers as artists, performers and creative professionals. They have a solid foundation on which to pursue their dream in their chosen creative field. With skill sets that prepare them for professional and entrepreneurial opportunities, graduates tap into evolving professions and the expanding field of art practice.

Since 1992, graduates of the Bachelor of Arts program in interdisciplinary arts and performance have gone on to many different occupations, such as:

- art administrator
- arts writer, scholar and critic
- composer and sound artist
- digital designer
- film and video editor
- recording artist
- theatre artist
- video and board game designer

- videographer
- visual artist in multiple mediums

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASIAPBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Interdisciplinary Arts and Sciences, BA (ASIASBA)

**Campus:** West

**Program Description:** The BA program in interdisciplinary arts and sciences allows students to build a flexible, customized degree that is unique to their specific career goals.

Students tailor their programs emphasizing interdisciplinary study combined with a specific area of concentration (e.g., business, communication studies, English, gerontology, history, psychology or preprofessional studies). For example, a business degree with an emphasis in communications can lead to employment opportunities that aren't as easily accessed by a traditional business degree alone. By providing the opportunity to combine disciplines, New College equips students with the specialized education they need to reach their individual career goals.

This degree program culminates in a capstone internship experience that provides a real-world perspective, skills and connections, creating versatile graduates and attractive job applicants for the corporate world.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
English, MA
Global Management, MGM
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASIASBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) allows students to gain valuable, unforgettable experiences that will enhance their resumes. With more than 300 study abroad programs, students are able to tailor their experience to their personal goals and skill sets. Students in the interdisciplinary arts and sciences program gain heightened cultural competency, communication and critical thinking skills when studying abroad --- skills that prepare them to lead in a future-focused career.

**Career Opportunities:** Graduates are prepared to make the transition smoothly to graduate school or postbaccalaureate employment in:

- business settings
- community settings
- cultural settings
- educational settings
- social sciences and human service settings

Those who plan to pursue graduate or professional degrees in law, business, helping professions or in traditional disciplines benefit from the flexibility of this program that prepares them for a broad range of future academic and career pursuits.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASIASBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Latin American Studies, BA (ASLASBA)

**Campus:** West

**Program Description:** The BA program in Latin American studies offers a learner-driven model in which the student's specific interests are deepened through the study of Latin America cultures, histories, politics and linguistic expressions. It is interdisciplinary and allows for flexibility in course selection while also instilling a breadth and depth of knowledge about issues surrounding Latin America.

This degree program encourages cross-cultural exploration, preparing students for a global-minded career path.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
English, MA

Global Management, MGM
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASLASBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying abroad (https://goglobal.asu.edu/) is a great way for Latin American studies students to learn firsthand about the culture, language and food of their area of study. When studying in a Latin American country, students are able to immerse themselves in the culture to gain a greater understanding of that country and its people. They also acquire heightened cultural competency, communication, and critical thinking skills that will be valuable assets for their future careers.

**Career Opportunities:** Graduates are prepared for further study in graduate or professional schools and in dual-language environments, including:

- arts and arts administration
- business and finance
- counseling
- diplomacy
- education
- journalism
- ministry
- nonprofit organizations and advocacy
- public policy
- technology

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASLASBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Pharmacology and Toxicology, BS (ASPTXBS)

**Campus:** West, Online

**Program Description:** Students in the BS degree program in pharmacology and toxicology study how foreign materials react with human bodies. To have a thorough understanding of the interactions of chemicals in the biological system, students in the program study both biology and chemistry, and they become familiar with chemical interactions at physiological, molecular and cellular levels.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the

STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website. The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor MAT 251 Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biological Data Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/pharmacology-toxicology-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPTXBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable experience when they study abroad (https://goglobal.asu.edu/), experience that enhances their resume. With more than 300 programs available, students can tailor their educational experience to their unique interests and skill sets. Pharmacology and toxicology students are able to expand their knowledge of how science impacts society in a variety of cultures.

**Career Opportunities:** With a heavy focus on experiential learning within the laboratory, graduates of the pharmacology and toxicology degree program are better prepared for careers in diverse areas such as government, industry, health care and business and for a number of career paths,

including:

- environmental risk assessor or consultant
- laboratory researcher
- pharmacist
- physician
- physician's assistant
- toxicologist
- veterinarian

Graduates also may work at governmental agencies or at private companies in areas such as:

- Arizona Department of Environmental Quality
- city government
- clinical trials
- Environmental Protection Agency
- product safety evaluation
- regulatory affairs
- teaching

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASPTXBS/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Philosophy, Religion and Society, BA (ASRELBA)

**Campus:** West

**Program Description:** The BA degree program in philosophy, religion and society comprises historical, theoretical and practical perspectives on philosophy, religion and social ethics, and it emphasizes social and political concerns by putting the studies of philosophy and religion into action.

This interdisciplinary degree program offers three areas of concentration: applied ethics, continental philosophy and religious studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
English, MA
Global Management, MGM
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASRELBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Philosophy, religion and society are the backbone of any culture. Through study abroad, students can gain a firsthand perspective of the power of philosophy and religion in societies.

With more than 300 programs offered around the globe, students can tailor their experience to fit their specific goals and skill sets as they deepen their understanding of the human experience in diverse cultures. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates are prepared for graduate study or employment in the fields explored through their required internships, including business, criminal justice, politics, education, government, human resources, law enforcement, law, media, medicine, religious organizations and social services.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASRELBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Political Science, BA (ASPOLBA)

**Campus:** West, ASU at Lake Havasu

**Program Description:** Political science is the study of governmental practices, politics and theories. Coursework in the BA program in political science covers American institutions, international relations, political theory and world affairs.

The program helps students gain a basic understanding of the assumptions underlying political science, conduct meaningful research and formulate arguments. In addition to coursework, students learn through internships, service-learning and research opportunities.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
Global Management, MGM
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPOLBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can experience firsthand, through study abroad, the diverse political and social powers affecting communities around the globe. Students in political science can enhance their learning by gaining a global perspective on political theory and world affairs.

With more than 300 programs available, students can tailor their experience to their unique interests and skill sets. Programs exist in diverse countries, such as those ruled by communist and monarchical regimes. More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The political science program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border.

Many students use the degree as a gateway to law school or other professional schools or as basis for further study in such fields as:

- community development
- political science
- public administration
- public policy
- social sciences
- urban affairs and urban and regional planning

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASPOLBA/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

# Political Science, BS (ASPOLBS)

**Campus:** West

**Program Description:** The School of Social and Behavioral Sciences offers a BS in political science in the New College of Interdisciplinary Arts and Sciences.

Political science is the study of governmental practices, politics and theories. Coursework in the political science program covers American institutions, international relations, political theory and world affairs. This program helps students gain a basic understanding of the assumptions underlying political science and to develop the necessary research skills for analyzing complex sociopolitical issues. In addition to coursework, students learn through internships, service-learning and research opportunities.

The Bachelor of Science degree differs from the BA degree in that it requires an additional statistics course and a methods course.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
Global Management, MGM
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPOLBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can experience firsthand, through study abroad, the diverse political and social powers affecting communities around the globe. Students in political science can enhance their learning by gaining a global perspective on political theory and world affairs.

With more than 300 programs available, students can tailor their experience to their unique interests and skill sets. Programs exist in diverse countries, such as those ruled by communist and monarchical regimes. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The political science curriculum provides a solid background for employment in a relevant profession. The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal governments. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local governments or local community groups on both sides of the border.

Many students use the degree as a gateway to law school or other professional schools or basis for graduate study in such applied fields as:

- community development
- public administration
- public policy
- political science
- social sciences
- urban affairs
- urban and regional planning

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASPOLBS/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

## Psychology, BA (ASPGSBA)

**Campus:** West, ASU at Lake Havasu, Online
Available accelerated bachelor's/master's degree program options may vary by modality (online vs. on-campus). Students should contact their academic advisor for more information.
**Program Description:** Psychology is the scientific study of human behavior. This diverse field includes mental health and counseling as well as child development, neuroscience and brain function, memory and decision-making, behavior analysis, statistics and more. It also crosses over into other disciplines such as medicine, law, business and economics.

This BA program in psychology --- emphasizing critical thinking and reasoning, quantitative research methods and writing --- goes beyond the classroom, adding practical experiences through internships, service-learning and faculty-supervised research. (Some opportunities are not available to students enrolled in the degree offered through ASU Online.)

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  119 - Finite Mathematicsor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
Global Management, MGM

Interdisciplinary Studies, MA
Psychology, MS
Social Justice and Human Rights, MA
Social Technologies, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-psychology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, students gain valuable experience that would enhance many career options.

Whether in a foreign country, in the U.S. or online, study abroad exposes students to unique differences in the human condition worldwide, challenges them to adapt to new social and cultural circumstances, and enables them to improve language and cross-cultural skills for effective communication.

With more than 300 Global Education programs (https://goglobal.asu.edu) available, students in the New College of Interdisciplinary Arts and Sciences can tailor their educational experience to their unique interests and skill sets and explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** A degree in psychology prepares graduates for a career in:

- government (sales and marketing, human resources management)
- industry
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental

- experimental
- health
- legal
- physiological
- social

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASPGSBA/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

## Psychology, BS (ASPGSBS)

**Campus:** West, ASU at Lake Havasu, Online
Available accelerated bachelor's/master's degree program options may vary by modality (online vs. on-campus). Students should contact their academic advisor for more information.
**Program Description:** Psychology is the scientific study of human behavior. This diverse field includes mental health and counseling as well as child development, neuroscience and brain function, memory and decision-making, behavior analysis, and statistics and crosses into other disciplines such as medicine, law, business and economics.

Emphasizing critical thinking and reasoning and quantitative research methods and writing, this BS program in psychology goes beyond the classroom with practical experiences, through internships, service-learning and faculty-supervised research. (Some opportunities are not available to students enrolled in the degree offered through ASU Online.)

The Bachelor of Science degree differs from the Bachelor of Arts degree in that it requires additional lab coursework and advanced statistical training, providing a greater depth of knowledge in the biological and neuroscientific aspects of psychology that are increasingly important both for research and for clinical practice.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
Global Management, MGM
Interdisciplinary Studies, MA
Psychology, MS
Social Justice and Human Rights, MA
Social Technologies, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)

International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-psychology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad experience enables students in the psychology program to stand out in many career fields. Students gain exposure to unique differences in the human condition worldwide, are able to improve their language and cross-cultural skills for effective communication, and are challenged to adapt to new social and cultural circumstances.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** Graduates are prepared for careers in:

- government (sales and marketing, human resources management)
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASPGSBS/undergrad/false/3
FAB N101
sbsadvising@asu.edu
602-543-3000

## Psychology (Forensic Psychology), BA (ASPGSFPBA)

**Campus:** West, Online
Accelerated options for this program are not currently available to ASU Online students.
**Program Description:** Forensic psychology is the application of psychology to the law. The concentration in forensic psychology within the BA program in psychology combines general training in psychology with specialized coursework in criminal law, criminal behavior, the diagnosis and

treatment of mental disorders, and legal decision-making.

When courts are faced with cases in which a psychology related question arises, they may turn to psychologists for help with the case. For example, psychologists might assist the court in understanding a criminal's mental state at the time of a crime or in determining whether a particular jury might have been biased against a defendant based on his or her race. This is the realm of forensic psychology.

This program teaches students about the various roles for psychologists in the legal system and helps them discover which roles they might like to pursue through careers in mental health, criminal justice or through graduate training.

The Bachelor of Arts degree differs from the BS degree in that it does not require two additional lab science courses.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 119 - Finite Mathematicsor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-psychology-forensic-psychology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSFPBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, students in the psychology program acquire enhanced knowledge and experience that will enable them to stand out in many career fields. Study abroad students are exposed to unique differences in the human condition, are able to improve language and cross-cultural skills for effective communication, and are challenged to adapt under new social and cultural circumstances.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore their varied fields and interests in different settings around the world.

**Career Opportunities:** Graduates of the Bachelor of Arts program in psychology with a concentration in forensic psychology are prepared for careers in the criminal justice and mental health fields. Many careers in psychology require graduate training, and the program's graduates are prepared for master's degree and doctoral programs in legal, clinical and forensic psychology.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Interdisciplinary Forensics
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASPGSFPBA/undergrad/false/437
FAB N101
sifadvising@asu.edu
602-543-3000

## Psychology (Forensic Psychology), BS (ASPGSFPBS)

**Campus:** West, Online
Accelerated options for this program are not currently available to ASU Online students.
**Program Description:** Forensic psychology is the application of psychology to the law. The concentration in forensic psychology within the BS program in psychology combines general training in psychology with specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders, and legal decision-making.

When courts are faced with cases in which a psychology-related question arises, they may turn to psychologists and ask for help with the case. For example, psychologists might assist the court in understanding a criminal's mental state at the time of a crime or whether a particular jury might have been biased against a defendant based on his or her race. This is the realm of forensic psychology.

This program teaches students about the various roles of psychologists in the legal system and helps them discover which roles they might like to pursue through careers in mental health, criminal justice or through graduate training.

The Bachelor of Science degree in psychology with a concentration in forensic psychology differs from the BA degree in that it requires additional lab coursework and advanced statistical training. The Bachelor of Science program provides a greater depth of knowledge in the biological and neuroscientific aspects of psychology that are becoming increasingly important both for research and clinical forensic practice.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-psychology-forensic-psychology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSFPBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad (https://goglobal.asu.edu/), students in the psychology program acquire enhanced knowledge and experience that will enable them to stand out in many career fields. Students are exposed to unique differences in the human condition, are able to improve language and cross-cultural skills for effective communication, and are challenged to adapt under new social and cultural circumstances.

With more than 300 options available, Global Education programs allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** Graduates are prepared for careers in the criminal justice and mental health fields. The advanced statistical training further prepares students for careers and graduate training involving psychological research, clinical research and legal policy research. Many careers in psychology require graduate training, and this program also is designed to prepare students for master's degree and doctoral programs in legal, clinical and forensic psychology.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Interdisciplinary Forensics
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASPGSFPBS/undergrad/false/437
FAB N101
sifadvising@asu.edu
602-543-3000

## Psychology (Positive Psychology), BA (ASPGSPPBA)

**Campus:** West, Online

**Program Description:** Positive psychology is the scientific study of strengths and behaviors that enable individuals and communities to thrive. There is a rapidly growing body of research in the field of positive psychology with many applications to individual well-being, relationships, the workplace and every other life domain. Students in the BA program in psychology with a concentration in positive psychology gain the foundational knowledge and skills of a traditional psychology program, while focusing their studies on topics central to the field of positive psychology such as optimism, gratitude, coping mechanisms, resilience and mindfulness. Graduates of this program are prepared to apply evidence-based approaches to transform their own lives and the lives of others.

All New College psychology programs, including this positive psychology program, have a quantitative research focus, equipping students with skills in critical thinking, statistical analysis, and academic writing. The Bachelor of Science degree differs from the Bachelor of Arts degree in that it

requires additional lab science coursework and advanced statistical training, both of which are increasingly important for destinations in research or clinical practice. The Bachelor of Arts degree allows for exposure to a wider breadth of psychological and related topics through additional elective coursework. Both pathways provide a strong foundation for future graduate studies.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  119 - Finite Mathematicsor MAT 170 Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/undergraduate/positive-psychology-ba/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSPPBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) allows students in the psychology program to stand out in many career fields. Students are exposed to unique differences in the human condition worldwide, are able to improve language and cross-cultural skills for effective communication, and are challenged to adapt under new social and cultural circumstances. With more than 300 options available, whether in a foreign country, in the U.S. or online, Global Education programs give students a global perspective and knowledge in preparation for their career.

**Career Opportunities:** Individuals with psychology degrees can go on to secure jobs across a wide range of fields including human resources, research, business and economics, law, health and mental health, and education.

Graduates are prepared for careers in:

- consumer relations and research
- employee training
- family support
- individual life coaching
- occupational analysis
- positive coaching in sports or organizations
- prevention education
- public or mental health program coordination
- youth development

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication, social work and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/ssbs
FAB N100
sbsadvising@asu.edu
602-543-3000

## Psychology (Positive Psychology), BS (ASPGSPPBS)

**Campus:** West, Online

**Program Description:** Positive psychology is the scientific study of strengths and behaviors that enable individuals and communities to thrive. There is a rapidly growing body of research in the field of positive psychology with many applications to individual well-being, relationships, the workplace and every other life domain. Students in the BS program in psychology with a concentration in positive psychology gain the foundational knowledge and skills of a traditional psychology program, while focusing their studies on topics central to the field of positive psychology such as optimism, gratitude, coping mechanisms, resilience, and mindfulness. Graduates of this program are prepared to apply evidence-based approaches to transform their own lives and the lives of others.

All New College psychology programs, including the positive psychology program, have a quantitative research focus, equipping students with skills in critical thinking, statistical analysis, and academic writing. The Bachelor of Science degree differs from the Bachelor of Arts degree in that it requires additional lab science coursework and advanced statistical training, both of which are increasingly important for destinations in research or clinical practice. The Bachelor of Arts degree allows for exposure to a wider breadth of psychological and related topics through additional elective coursework. Both pathways provide a strong foundation for future graduate studies.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/positive-psychology-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students

take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASPGSPPBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) allows students in the psychology program to stand out in many career fields. Students are exposed to unique differences in the human condition worldwide, are able to improve language and cross-cultural skills for effective communication, and are challenged to adapt under new social and cultural circumstances. With more than 300 options available, whether in a foreign country, in the U.S. or online, Global Education programs give students a global perspective and knowledge in preparation for their career.

**Career Opportunities:** Individuals with psychology degrees can go on to secure jobs across a wide range of fields including human resources, research, business and economics, law, health and mental health, and education.

Graduates are prepared for careers in:

- consumer relations and research
- employee training
- family support
- individual life coaching
- occupational analysis
- positive coaching in sports or organizations
- prevention education
- public or mental health program coordination
- youth development

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication, social work, and the various graduate program fields in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/ssbs
FAB N101
sbsadvising@asu.edu
602-543-3000

## Social Justice and Human Rights, BA (ASJHRBA)

**Campus:** West, Online

**Program Description:** The BA program in social justice and human rights at ASU's New College of Interdisciplinary Arts and Sciences spans both the social sciences and the humanities to prepare students to meet the challenges of social justice and protection of human rights in local, national, international and global contexts.

Coursework prepares students to serve as advocates for alleviating political, economic and social inequality. The degree program introduces students to principles and practices of everyday humanitarianism, multimedia advocacy, and theories and practices of social justice and human rights.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who

select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
Global Management, MGM
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/social-justice-and-human-rights-ba/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASJHRBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students are able to deepen their understanding of global human rights through study abroad. With more than 300 programs available, students can tailor their educational experience to their unique interests and skill sets. Students can explore the influence of culture, law, race and religion on a global scale in order to prepare them to make an impact for social justice and human rights.

More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates with this degree are employable in a variety of settings, including refugee resettlement agencies; agencies and shelters supporting survivors of domestic abuse; shelters for migrants, especially for unaccompanied minors; disaster relief agencies; organizations

assisting survivors of sex trafficking and human labor trafficking; and agencies assisting veterans. Career opportunities include:

- charitable fundraiser (e.g., Nina M. Pulliam Charitable Trust staff)
- grant writer
- humanitarian aid worker (e.g., U.N. High Commissioner for Human Rights aid worker, Oxfam aid worker)
- human rights lawyer
- international governmental organization professional (e.g., United Nations staff)
- investigative journalist
- lobbyist for human rights and social justice causes
- nongovernmental organization professional (e.g., Amnesty International professional)
- nonprofit agency manager (e.g., Special Olympics Arizona, international manager)
- public policy researcher

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASJHRBA/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

## Social and Behavioral Sciences, BA (ASSBSBA)

**Campus:** West

**Program Description:** The BA degree program in social and behavioral sciences provides an understanding of assumptions underlying the social and behavioral sciences, develops students' research skills for analysis of complex social issues, offers a flexible program tailored to the career goals of the individual student, and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students with the requisite background that enables them to better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
Global Management, MGM
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSBSBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring social and behavioral sciences on the global scale can be beneficial to students in providing understanding of assumptions made about individuals and society. Students studying abroad can develop research skills from firsthand experiences inside and outside of the classroom, using them to analyze complex social issues that affect themselves and those around them domestically and internationally.

More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** This interdisciplinary degree is an excellent option, meshing with the individual's interests and fulfilling many employers' expectations of a bachelor's degree, by exposing the student to a variety of outlooks and challenges. Such a degree is competitive in most situations in which the disciplinary social and behavioral degrees are accepted, and it is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

Graduates of this degree program have a solid background in social sciences and methodologies that prepares them for graduate work in community development, counseling, criminal justice, professional schools (e.g., law, public administration, social work), public policy, social science disciplines and urban studies or planning.

Careers include:

- advocate (e.g., immigration, children's, victim's)
- community developer
- human relations officer
- lawyer
- lobbyist
- mediator
- nonprofit manager
- social services case worker
- statistical analyst
- urban planner

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSBSBA/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

## Social and Behavioral Sciences, BS (ASSBSBS)

**Campus:** West

**Program Description:** The curriculum of the BS degree program in social and behavioral sciences provides an understanding of assumptions underlying the social and behavioral sciences, enables students to develop research skills necessary for analysis of complex social issues, offers a flexible program tailored to the career goals of the individual student, and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students with the requisite background that enables them to better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., community, culture, family and society).

The Bachelor of Science degree differs from the BA degree in that it has a stronger focus on the use of statistics.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
Global Management, MGM
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSBSBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring social and behavioral sciences on the global scale can be beneficial to students; they gain an understanding of assumptions made about individuals and society. Students studying abroad can develop research skills from firsthand experiences inside and outside of the classroom and use those skills to analyze complex social issues that affect them and others elsewhere. More information about study abroad programs is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The interdisciplinary degree is an excellent option that matches the individual's interests and fulfills many employers' expectations of a bachelor's degree, namely that it should expose the student to a variety of outlooks and challenges.

Such a degree is competitive in most situations in which the disciplinary social and behavioral degrees are accepted, and it is advantageous when seeking entry to a breadth of professional programs such as regional planning or urban studies.

The degree program also provides a solid background in social sciences and methodologies, preparing students for graduate work in community development, counseling, criminal justice, professional schools (e.g., law, public administration, social work), public policy, social science

disciplines, and urban studies or planning.

Possible careers include:

- advocate (e.g., immigration, children's, victim's)
- community developer
- human relations officer
- lawyer
- lobbyist
- mediator
- nonprofit manager
- social services case worker
- statistical analyst
- urban planner

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSBSBS/undergrad/false/3
FAB N101
sbsadvising@asu.edu
602-543-3000

## Social and Cultural Analysis (American Studies), BA (ASSCAASBA)

**Campus:** West

**Program Description:** The BA program in social and cultural analysis with a concentration in American studies engages in the transdisciplinary and comparative study of the United States as a cultural and political site of ongoing change and conflict.

Students learn diverse methods of analyzing nationalist politics, public and private cultural practices, transnationalism and the nation making processes of migration, in keeping with the creative and critical scholarship of the discipline. The curriculum also brings attention to identity formations around gender, sexuality, race and ethnicity.

As a transdisciplinary field, American studies unites the social sciences, the humanities and the arts to stimulate students into engaging in rigorous and adventurous conversations about American culture, politics and history. Students explore knowledge beyond disciplinary boundaries by bringing differing perspectives and understandings into dialogue with one another and generating a unique level of intellectual rigor and excitement.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAASBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can learn to put the United States in a global context through a faculty-directed study abroad program (https://goglobal.asu.edu/) that explores culture, borders and politics. Executing cross-cultural communication develops career skills that are in demand by employers. Students can stay on track academically by earning ASU credit for completed courses in one of more than 300 programs available.

**Career Opportunities:** Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations. Graduates of this program are prepared for graduate work as well as for careers in government, education, business and nonprofit organizations, with skills and knowledge that enable them to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nonprofit organizations
- Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSCAASBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA (ASSCAERBA)

**Campus:** West

**Program Description:** The BA program in social and cultural analysis with a concentration in ethnicity, race and Indigenous studies combines transdisciplinary topics and methods for critical analysis of relationships among individuals, groups, institutions, governments, economies and environments.

The program enriches the study of individual racialized and Indigenous groups by drawing upon theories, methods and pedagogies in ethnicity, race and Indigenous studies while engaging complementary fields of literature, history, sociology, oral history, sexuality, queer studies, social justice, and transnational and cultural studies. Coursework grounds the students in a deep understanding of the particular historical, social, economic, cultural and political experiences of individual racialized groups as well as in an analysis of the relationships among them.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who

select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAERBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Ethnicity and race are at the core of culture, impacting everything from societal structure to religious norms. Studying abroad allows students to deepen their understanding of global ethnicities through firsthand experience. Students can explore the impact of culture, religion and law in the world's diverse ethnic environments.

With over 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore how their varied fields and interests interact in different settings around the world.

**Career Opportunities:** Due to the program's emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- government agencies
- libraries
- museums
- nonprofit organizations
- Peace Corps

- political action groups
- research organizations
- social service agencies

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSCAERBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Social and Cultural Analysis (Latin American Studies), BA (ASSCALABA)

**Campus:** West

**Program Description:** The BA degree program in social and cultural analysis with a concentration in Latin American studies provides a broad and vibrant framework for studying the diverse societies of Latin America, including diasporic communities. The program provides opportunities for cross-cultural study and takes a robust, transdisciplinary approach to the literature, film, history, politics and culture of both Latin America and Latinas and Latinos living in the United States.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCALABA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With programs across Latin America, study abroad students have the opportunity to immerse themselves in the very cultures they are studying. Students deepen their understanding of Latin American cultures and can gain a greater appreciation for them when studying abroad, all while enhancing their resumes with heightened cultural competency, critical thinking and communication skills. More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Due to the program's emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in areas as varied as:

- civil rights organizations
- colleges and universities
- government agencies
- libraries
- museums
- nonprofit organizations
- Peace Corps
- political action groups
- research organizations
- social service agencies

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in public service, education, business, humanitarian work, law or health care.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSCALABA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Social and Cultural Analysis (Peace Studies), BA (ASSCAPSBA)

**Campus:** West

**Program Description:** The BA degree program in social and cultural analysis with a concentration in peace studies is a unique, transdisciplinary offering that fosters a critical investigation of peace. It does so primarily through a humanities lens, but not exclusively, and it provides an analysis of peace in connection with issues such as gender, ethnicity, race and religion.

Students learn many perspectives on peace and approaches to it, including theories and practices of peace building, nonviolence, and conflict avoidance and resolution. The program builds on the expertise of faculty in the humanities and social sciences in fields such as history, linguistics, literature, ethics, philosophy, sociology, ethnic studies, and women and gender studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAPSBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can observe the impacts of peace and war on cultures and communities across the globe. Study abroad, with more than 300 unique experiences, allows students of peace studies to deepen their understanding of global peace through exploration of the impact of culture, race, religion and law on peace-building. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** There is a growing concern for peace building within social and political institutions. As a consequence, numerous jobs now exist in peace-related sectors. The program's emphasis on the social aspects of peace, diversity and identity provides graduates with an awareness of the needs of diverse populations and the discourses that help create a culture of peace.

Graduates possess the skills and knowledge necessary for graduate work as well as for professional and personal advancement in education, writing, policy, law, cross-cultural communication, and ethics. Their knowledge can be applied in careers in government, education, business and nonprofit organizations and in areas as diverse as the following:

- civil rights organizations
- colleges and universities
- government agencies
- libraries
- museums
- nonprofit organizations
- the Peace Corps
- political action groups
- research organizations
- social service agencies

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSCAPSBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Social and Cultural Analysis (Queer and Sexuality Studies), BA (ASSCAQSBA)

**Campus:** West

**Program Description:** The BA degree program in social and cultural analysis with a concentration in queer and sexuality studies combines

transdisciplinary topics and methods to critically analyze the function of ideologies of sexuality, the history and present conditions of sexual identity formation, structural inequalities and queer resistance to those same inequalities and the diversity of LGBTQ communities.

Drawing from the premise that sex, gender and sexual orientation are both private experiences as well as profoundly political and public issues with important legal, social and cultural implications, the intellectual core of this program draws from theories, methods and pedagogies in queer theory and sexuality studies while engaging complementary fields of social justice, cultural studies, women's studies, gender studies, literature, history, sociology, psychology and transnational studies. Areas of emphasis include sexuality in culture, transnational queer studies, queer social movements and resistance, sexual fluidity, trans studies and critical heterosexualities.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAQSBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Stigmas against sexualities are being broken down and challenged in societies across the globe, and study abroad allows students to deepen their understanding of LGBTQ treatment through firsthand experience.

Students can explore the impact of culture, race, religion and law on equality all over the world. With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their educational experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore their varied fields and interests in different settings around the world.

**Career Opportunities:** Due to the emphasis on culture and identity, the program cultivates respect for and sensitivity to diverse populations, and its graduates are prepared with the skills and knowledge necessary for graduate work as well as for careers in areas as varied as:

- civil rights organizations
- colleges and universities
- government agencies
- libraries
- museums
- nonprofit organizations
- Peace Corps
- political action groups
- research organizations
- social service agencies

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSCAQSBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Social and Cultural Analysis (Women and Gender Studies), BA (ASSCAWSBA)

**Campus:** West

**Program Description:** The BA degree program in social and cultural analysis with a concentration in women and gender studies offers students a transdisciplinary curriculum that focuses on the diverse experiences of women in both national and international contexts. The program also examines the meaning of gender as a socially constructed category that shapes personal identities, beliefs, opportunities and behaviors.

The wide range of classes explores the intersections of gender, race, class and sexuality; the institutional structures that have an impact on women's and men's lives; and the broad range of feminist theories that seek to explain and influence women's status in society. Areas of emphasis include gender and sexuality, critical race feminisms, gender and the borderlands, transnational feminisms, social activism and social movements, histories of feminism and critical embodiment studies.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)

International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSCAWSBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can explore the impact of culture, race, religion and law on gender norms and equality through one of over 300 unique study abroad experiences. Study abroad programs offer a global perspective and knowledge, excellent preparation for a future-focused career.

Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Due to the program's emphasis on culture and identity, students develop respect for and sensitivity to diverse populations, enabling them as graduates to flourish in careers in areas as varied as:

- civil rights organizations
- colleges and universities
- government agencies
- libraries
- museums
- nonprofit organizations
- peace corps
- political action groups
- research organizations
- social service agencies

Graduates are prepared for careers in advocacy, politics and community-facing corporate roles as well as for graduate studies programs.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSCAWSBA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Sociology, BA (ASSOCBA)

**Campus:** West, ASU at Lake Havasu

**Program Description:** Sociology is the study of the organization and development of societies and the institutions within them. The sociology program helps students better understand the development, structure, interaction and collective behavior of organized groups.

The program explores the theories, practices and policies underlying the issues of social change, inequality and diversity. This BA degree program in sociology provides students with training in important research skills used to describe, interpret and evaluate evidence across diverse settings important in the economy.

This is a flexible program that provides opportunities for students to work collaboratively with faculty on intellectual and policy issues and helps them develop the research skills necessary for the analysis of complex social issues.

The Bachelor of Arts differs from the BS in that it does not require an additional methods course.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees.

Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
Global Management, MGM
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSOCBA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students are able to enhance their understanding of societal structure and human interaction through a global lens by studying abroad (https://goglobal.asu.edu/), and programs with unique cultural experiences can be found around the world. Students can gain heightened cultural competency and communication and critical thinking skills while exploring a new and exciting part of the world.

**Career Opportunities:** Graduates are prepared for employment in corporate or governmental organizations or to continue their studies in graduate programs in sociology, social science or professional schools. They are able to apply the sociological perspective to a wide variety of jobs in:

- business and management
- government
- health professions
- social services
- the criminal justice system

Coursework in sociology provides graduates with valuable preparation for careers in:

- journalism
- law

- nonprofit sector
- politics
- public administration
- public relations

These are all fields that involve investigative skills and an ability to work with diverse groups.

Graduates with an advanced degree in sociology may become:

- community activists
- community developers
- criminologists
- demographers
- gerontologists
- organizational advocate
- research analysts
- statisticians
- survey researchers
- urban planners

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSOCBA/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

## Sociology, BS (ASSOCBS)

**Campus:** West

**Program Description:** Sociology is the study of the organization and development of societies and the institutions within them.

The BS degree program in sociology program helps students better understand the development, structure, interaction and collective behavior of organized groups. They explore the theories, practices and policies underlying the issues of social change, inequality and diversity. This sociology program provides training in the important research skills used to describe, interpret and evaluate evidence across diverse settings important in the economy.

This is a flexible program that provides opportunities for students to work collaboratively with faculty on intellectual and policy issues and helps them develop the research skills necessary for the analysis of complex social issues.

The Bachelor of Science differs from the Bachelor of Arts degree in that it requires an additional methods course.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication Studies, MA
Global Management, MGM
Interdisciplinary Studies, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSOCBS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students are able to enhance their understanding of societal structure and human interaction through a global lens when studying abroad (https://goglobal.asu.edu/). Programs with unique cultural experiences can be found in many countries of the world, and students can gain heightened cultural competency and communication and critical thinking skills while exploring a new and exciting part of the globe.

**Career Opportunities:** Graduates are prepared for employment in corporate or governmental organizations or to continue their studies in graduate programs in sociology, social science or professional schools. They are able to apply the sociological perspective to a wide variety of jobs in:

- business and management
- government
- social services
- the criminal justice system
- the health professions
- the nonprofit sector

The program provides graduates valuable preparation for careers in:

- journalism
- politics
- public administration
- public relations

Graduates with an advanced degree in sociology and who have the investigative skills and ability to work with diverse groups may become:

- community activists
- community developers
- criminologists
- demographers
- gerontologists
- organizational advocates
- research analysts
- statisticians
- survey researchers
- urban planners

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of

School of Social and Behavioral Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSOCBS/undergrad/false/437
FAB N101
sbsadvising@asu.edu
602-543-3000

## Spanish, BA (ASSPABA)

**Campus:** West

**Program Description:** The BA degree program in Spanish emphasizes language studies and examines the cultural production of Spanish-speaking communities, in Spanish.

This program provides students with the skills to confidently communicate in writing and orally. Students learn the history, arts, literature and cultures of Spanish-speaking countries.

Graduates are prepared for graduate study, specialized professional training, government careers and commercial and international careers.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** N
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSPABA~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad enhances students' understanding of the diversity of the world and the way in which knowledge of such diversity

makes each person a better human being and citizen. Students are able to study in programs that provide immersion into Spanish-speaking cultures with a diverse array of individual and group experiences.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu) allow students to tailor their educational experience to their unique interests and skills sets. Whether in a foreign country, in the U.S. or online, students in the New College of Interdisciplinary Arts and Sciences can explore their varied fields and interests in different settings.

**Career Opportunities:** The Spanish program offers excellent preparation for graduate school or for employment as a teacher in the elementary or secondary school system, especially in those districts where bilingual programs are integral to the curricula. Outside the education system, students majoring in Spanish find employment as translators and interpreters in:

- diplomatic corps
- federal and state courts
- law enforcement agencies
- law firms
- social agencies

The business world also provides employment for those fluent in Spanish. This is especially true in the American Southwest, with its proximity to Mexico and through outlets opened by multinational trade agreements.

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSPABA/undergrad/false/437
FAB N101
harcsadvising@asu.edu
602-543-3000

## Statistics, BS (ASSTABS)

**Campus:** West

**Program Description:** Almost every industry in the modern economy relies on the collection and analysis of data. The BS degree program in statistics prepares students to meet the demands of the ever-growing data analysis field and is a launching pad for a statistics-driven career.

Through innovative research opportunities and internships with Arizona corporations, including PING, students build a solid foundation of mathematics and computing, helping them grasp a thorough understanding of both theoretical and practical statistics.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biological Data Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply

(https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ASSTABS~null + &college=CAS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable experience when studying abroad. With more than 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Statistics majors are able to gain hands-on experience in programs in a variety of countries around the world.

Graduates with the heightened cultural competency and the leadership and critical thinking skills they achieved through study abroad may stand out in any competitive field.

More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** In the era of big data, there is great demand for individuals with all levels of statistical training. Graduates of this program have an understanding of the transdisciplinary nature of statistics and are prepared for graduate study in statistics and related areas or for entry-level positions in a variety of fields, including business, government, the natural and social sciences, engineering, health care and more.

Statisticians are in high demand in many areas of industry, government and academia. Some areas with particularly high demand include:

- finance
- manufacturing
- research
- marketing
- media
- medical
- pharmaceutical
- government policy

**Contact Information:**
Interdisciplinary Arts and Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/bachelors-degrees/majorinfo/ASSTABS/undergrad/false/437
FAB N101
mnsadvising@asu.edu
602-543-3000

## Journalism and Mass Communication, Walter Cronkite School of

## Digital Audiences, BS (CSDIGABS)

**Campus:** Downtown Phoenix, Online

**Program Description:** Virtually all companies and organizations are looking for professionals who know how to grow and engage audiences

online. The BS program in digital audiences prepares students to reach audiences strategically with digital content and demonstrate measurable growth. The program features unique, high-value courses covering paid social media campaigns, search engine optimization, audience engagement and digital analytics.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/digital-audiences-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSDIGABS~null + &college=CCS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Create an audience growth strategy using digital platforms.

- Use professional tools, technology, and techniques to measure audiences, content and behavior, and be prepared for analytics tasks in media careers.
- Use professional tools, technology, and techniques to evaluate effective, strategic social media campaigns and be prepared for paid and organic social media work in media careers.

- Use professional tools, technology, and techniques to evaluate effective, optimized content and campaigns for search engines, and be prepared for paid and organic search engine work in media careers.

**Global Opportunities:**
Global Experience: Study abroad exposes students to unique perspectives, opinions and audiences that consume digital content. Students should consider programs that utilize experiential learning with organizations like social media companies or PR firms in countries like Japan and the UK where millions consume digital content every day. More information on available programs can be found on the Global Education website.

**Career Opportunities:** Professionals with expertise in digital content strategy are in high demand across sectors and industries. Among the many career opportunities available are positions such as digital strategists, social media managers, public relations specialists, engagement managers, digital news editors, political campaign strategists, digital marketers, community organizers and corporate branding specialists.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csdigabs/
CRONK 222
cronkiteadvising@asu.edu
602-496-5055

## Digital Media Literacy, BA (CSDMLBA)

**Campus:** Online

**Program Description:** Organizations of all sizes, public and private, are learning to cope with unprecedented change in how people interact with and use information. The BA program in digital media literacy prepares students to be at the forefront of the important strategic and ethical issues related to digital media, including automation, verification, security and privacy.

Graduates of the program are able to use cutting-edge tools and tactics to analyze the context of the media people consume. They are able to verify and interpret information to make decisions that improve their own lives and that benefit the larger society.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/digital-media-literacy/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSDMLBA~null + &college=CCS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Evaluate the accuracy and credibility of digital media sources and information.
- Participate in digital media networks actively, safely, and ethically.
- Evaluate the potential global impacts of future developments within information ecosystems.
- Evaluate the role of communication in a free society.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Graduates of this program pursue a variety of professional and educational opportunities. The program's liberal arts foundation --- including critical thinking, communication, research and problem solving --- gives students the intellectual agility to thrive in many fields. Specialization in the technical, ethical, legal, social and economic aspects of digital media is especially valuable, as employers of all sizes try to leverage digital media in serving consumers.

As organizations try to keep up with digital transformation and plan for the future, having a deep understanding of how digital ecosystems work is critical. Demand for graduates of digital media literacy in fields such as health care communication, public service and sustainability is anticipated to rise, and the U.S. Department of Labor categorizes many jobs in these areas as having a bright outlook in the job market.

Given increasing emphasis on teaching media literacy at every age level, graduates can expect to find employment opportunities in a variety of educational settings, and some students may pursue graduate school in disciplines such as education, library science, law, public policy, business, public relations, digital strategy and journalism.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csdmlba/
CRONK 302
cronkiteadvising@asu.edu
602-496-5055

## Journalism and Mass Communication, BA (CSJMCBA)

**Campus:** Downtown Phoenix

**Program Description:** The BA program in journalism and mass communication at ASU's Walter Cronkite School of Journalism and Mass Communication, widely regarded as one of the nation's premier media schools, is a highly professional, hands-on degree program that prepares students for careers in mass communications.

Through access to a world-class faculty of journalists, communicators and scholars, and with prestigious internships and immersive learning opportunities, undergraduate students learn the values and principles at the core of the media professions, and they master the highly specialized, practical skills needed for success in today's digital world.

Topics of study can include digital media, broadcast news, innovation and entrepreneurship, audience engagement, social media, public relations and Spanish-language media. The Cronkite School's full-immersion professional programs afford students the opportunity to gain experience in activities like reporting the evening news on Arizona PBS and creating digital advertising campaigns.

High-performing students can apply to the school's accelerated bachelor's degree and master's degree program

(https://cronkite.asu.edu/accelerated-masters-degrees/), which allows for the completion of both degrees in as few as four years. They also can become part of ASU's Barrett, The Honors College (https://barretthonors.asu.edu/).

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** Any MAT course that satisfies the math requirement
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Digital Audience Strategy, MS
Master of Mass Communication, MMC
Sports Journalism, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: English proficiency requirements (https://admission.asu.edu/international/undergrad/english-proficiency) for international student admission:

- TOEFL iBT: minimum score of 100 (internet-based test, taken in a testing center) or
- IELTS: minimum score of 7.0 or
- Pearson Test of English: minimum score of 73 or
- Duolingo English test: minimum score of 120

Transfer Admission Requirements: Transfer students (classified as those with 12 or more transfer credit hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies.

Transfer students with 24 or more transferable credit hours after high school graduation are required to have a cumulative transfer GPA of 3.00 or higher.

Transfer students should contact the school for additional steps after admission to ASU.

**Change of Major Requirements:** ASU students who would like to change their major to journalism and mass communication must have a minimum cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements. The course MCO 120 Media and Society, an introductory course for nonmajors, may count in place of JMC 110 Principles and History of Journalism.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSJMCBA~null + &college=CCS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**

Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Apply the principles of journalism, such as accuracy, fairness, timeliness, diversity and privacy, to their course requirements.

•Use the tools, technology, and techniques for content creation that adheres to accepted journalistic standards and practices, and prepares them for careers in media and communication.

•Create portfolios, which measure their integration of knowledge through tangible products in digital, social, audio, and video stories to demonstrate to potential employers their professional readiness.

•Understand and apply ethical, diversity, and legal standards relevant to the journalism industry and create culturally proficient communication.

**Global Opportunities:**
Global Experience: As the world grows more connected, an understanding of other cultures and places is imperative. Study abroad (https://goglobal.asu.edu/) exposes students to diverse opinions, new and challenging situations, and opportunities to explore a new country.

Journalism students are offered highly specialized programs that provide the classes and experiences they need, whether covering the Olympics or spending an entire semester abroad. An international experience on a resume can help a candidate stand out in a competitive field.

**Career Opportunities:** Graduates are prepared for a wide assortment of careers with the hands-on training they received in the program as well as in real, professional newsroom experiences.

Popular industries include:

- digital media content creation
- local, national or international news reporting
- radio and podcasting
- corporate and business communication
- social media
- videography and photography
- digital marketing
- public relations
- brand storytelling

Graduates are competitive candidates for many roles, including these:

- audience engagement specialist
- copy editor
- director
- magazine writer
- news anchor
- news reporter
- producer
- radio and podcast host
- videographer

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csjmcba/
CRONK 302
attendcronkite@asu.edu
602-496-5555

## Mass Communication and Media Studies, BA (CSMCMSTBA)

**Campus:** Downtown Phoenix, Online

**Program Description:** The BA in mass communication and media studies gives students a deep and nuanced understanding of the growing importance, power and influence of media around the world.

The program explores global mass communication issues from all dimensions: societal, cultural, historical, political, economic, technological and legal. Students learn how to critically analyze media, from news to sports to pop culture, and apply that understanding to the world around them.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-mass-communication-and-media-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSMCMSTBA~null + &college=CCS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Evaluate the changing nature of media in the world from societal, cultural, historical, political, economic, technological, and legal dimensions.
- Evaluate the accuracy and credibility of media sources and information and media's impact on society.
- Evaluate media products, tools, digital platforms, and social networks and the digital audiences that comprise these platforms and networks.

**Global Opportunities:**
Global Experience: As the world grows more connected, an understanding of other cultures and places is imperative. Study abroad (https://goglobal.asu.edu/) helps students to understand how different cultures and the media actors that originate from those cultures interact and influence. Real-world experience in programs that observe and analyze international media, news culture and journalism prepare students for careers in which they will need to articulate well and utilize knowledge of multicultural communication styles.

**Career Opportunities:** A sophisticated understanding of mass communication is a critical asset for careers in business, government, community and the nonprofit sectors. Graduates have varied career opportunities, such as with:

- communications firms
- education institutions
- government entities
- political parties
- professional organizations
- publishing companies

Graduates also are prepared to pursue graduate studies in fields such as law, medicine, the arts, education and journalism.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csmcmstba/
CRONK 222
cronkiteadvising@asu.edu
602-496-5055

## Sports Journalism, BA (CSSPJBA)

**Campus:** Downtown Phoenix

**Program Description:** Sports media is one of the fastest-growing sectors of the media industry, with continued growth across multimedia outlets; broadcast and cable channels and networks; radio and podcasting; and team, league and conferences websites and social media platforms.

The Walter Cronkite School of Journalism and Mass Communication's BA program in sports journalism gives students unparalleled preparation for careers in sports media and communications through courses such as sports writing, sports photography, sports strategic communications, broadcast sports reporting, live sports production, play-by-play, and ethics and diversity in sports.

During the sports journalism degree program, students complete a variety of professional experiences. Internship partners include professional sports teams from the Diamondbacks to the Suns; Arizona State University athletics; local, regional and national sports media outlets like ESPN, Bally Sports, Fox Sports, the Pac-12 Networks; and more. Sports journalism students also participate in the school's semester-long immersive learning experiences, working with sports clients in the Cronkite Agency, or report from sports bureaus in Phoenix and Los Angeles, where they cover teams and events in the NFL, MLB, NBA, WNBA, NHL, NASCAR, PGA, LPGA and Division I athletics.

High-performing students can apply to the school's accelerated bachelor's degree and master's degree program (https://cronkite.asu.edu/accelerated-masters-degrees/), which allows for the completion of both degrees in as few as four years. They also can become part of ASU's Barrett, The Honors College (https://barretthonors.asu.edu/).

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** Any MAT course that satisfies the math requirement
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Master of Mass Communication, MMC

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: English proficiency requirements (https://admission.asu.edu/international/undergrad/english-proficiency) for international student admission:

- TOEFL iBT: minimum score of 100 (internet-based test, taken in a testing center) or
- IELTS: minimum score of 7.0 or
- Pearson Test of English: minimum score of 73 or
- Duolingo English test: minimum score of 120

Transfer Admission Requirements: Transfer students with 12 or more transfer credit hours after high school graduation are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies. Transfer students should contact the school for additional steps after admission to ASU.

Transfer students with 24 or more transferable credit hours after high school graduation are required to have a cumulative transfer GPA of 3.00 or higher. Transfer students should contact the school for additional steps after admission to ASU.

**Change of Major Requirements:** ASU students who would like to change their majors to sports journalism must have at least a cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements. MCO 120, an introductory course for nonmajors, may count in place of JMC 110.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=CSSPJBA~null + &college=CCS) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Apply the principles of journalism, such as accuracy, fairness, timeliness, diversity and privacy, to their course requirements. (Shared)

- Create portfolios, which measure their integration of knowledge through tangible products in digital, social, audio, and video stories to demonstrate to potential employers their professional readiness. (Shared)

- Understand and apply ethical, diversity, and legal standards relevant to the journalism industry and create culturally proficient communication. (Shared)

- Use the tools, technology, and techniques for content creation that adheres to accepted journalistic standards and practices, and prepares them for careers in sports media and communication. (BA Sports Journalism program only)

**Global Opportunities:**
Global Experience: Sports and sports fans create one of the most globalized industries that unite cultures through passion for a favorite team, athlete or game. Study abroad programs (https://goglobal.asu.edu/) shed light on how amazing stories of sport, triumph and defeat connect us all. Students apply real-world skills and learn about international sports firsthand by covering regional teams or large-scale sporting events like the Olympics.

**Career Opportunities:** Graduates of the sports journalism degree program are prepared for careers across media (including digital, print, video and audio) and athletics (teams, leagues, agencies and sports news organizations). They go on to pursue positions including sports writers, reporters, team content creators, producers, marketers, television anchors, multimedia specialists, social media managers, and strategic communications and public relations project coordinators.

**Contact Information:**
Journalism and Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism and Mass Comm
https://cronkite.asu.edu/programs/t5/majorinfo/ASU00/csspjba/
CRONK 302
attendcronkite@asu.edu
602-496-5555

# Liberal Arts and Sciences, The College of

## Actuarial Science, BS (LAACTBS)

**Campus:** Tempe

**Program Description:** Actuarial science students learn to use tools from mathematics, statistics and finance to measure the impact of risk in order to improve forecasting and decision-making.

The BS degree program in actuarial science provides students with the preparation necessary for the required professional actuarial credentialing exams offered by the Society of Actuaries and the Casualty Actuarial Society.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.

The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Actuarial Science, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Current ASU students wishing to change their major to actuarial science should have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A"), have completed at least MAT 265 Calculus for Engineers I or MAT 270 Calculus with Analytic Geometry I and CIS 105 Computer Applications and Information Technology (or CSE 100 or CSE 110), and have earned a "B" grade or better in all critical classes they have already completed.

Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAACTBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer

experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad students are able to enhance their resumes with the heightened cultural competency and leadership and critical thinking skills they acquire through the valuable experience.

Each of the more than 300 Global Education program options (https://goglobal.asu.edu/), whether in a foreign country, in the U.S. or online, provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences around the world and increase their ability to work with diverse groups of people.

**Career Opportunities:** Risk is a part of daily life and wherever there is risk, there are opportunities for actuarial intervention. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health and to ensure organizations conform to stringent, complex legal mandates. Others help companies to establish retirement plans or are employed as consultants.

Graduates with a BS in actuarial science possess skills that are transferable to any industry and any organization that requires risk modeling and management, including:

- colleges and universities
- consulting firms
- energy, such as utilities, oil and gas
- environment (on issues such as climate change and the financial impact or risk of extreme events)
- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor and Medicare (to manage social programs and to develop regulations and legislation)
- insurance companies
- retirement and pensions
- transportation, such as shipping and air travel

They can also apply the advanced problem-solving skills learned in the actuarial science undergraduate program to a variety of other professional careers, including:

- analysts
- business operations specialists
- consultants
- teachers

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## African and African American Studies, BA (LAAFRBA)

**Campus:** Tempe, Online

**Program Description:** The African and African American studies program at ASU has assembled a dynamic faculty engaged in investigating the riveting complexities of Africa.

Trained in a variety of disciplines that include anthropology, health, history, journalism, literature, sociology, political science and women's studies, the faculty guide students as they examine a wide array of critical issues facing African-descended peoples across the stages of life at various times and places in history.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/african-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAFRBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Conduct independent research exploring critical issues in and to the African diaspora.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) allow students to experience a very different cultural environment, and learning to adapt can be challenging at first, but rewarding by the end of the adventure. Students learn to grow outside of their comfort zone as they learn more about the world, and they may even change the way they think about and perceive others.

The College of Liberal Arts and Sciences recommends specific study abroad programs (https://goglobal.asu.edu/students/major/sst/african-african-american-studies) for students majoring in African and African American studies.

**Career Opportunities:** Because of its emphasis on various social aspects and groups, the African and African American studies program provides students with practical applications useful for various workplaces. This program helps students develop cultural sensitivity and prepares them for careers in:

- administration
- advertising
- business
- counseling
- education
- health care
- human resources
- international relations
- journalism
- justice
- law

Graduates are prepared for work in many arenas; some examples:

- business --- corporations, hotel chains, public relations firms, sales departments, the insurance industry, travel agencies
- civic --- civil rights organizations, nonprofit organizations, social service agencies, the Peace Corps
- education --- colleges and universities, museums, research organizations
- government --- law firms, political action groups

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## American Indian Studies, BS (LAAISBS)

**Campus:** Tempe

**Program Description:** The BS program in American Indian studies provides students with unique opportunities to evaluate issues of American Indian nations within domestic and international contexts.

The American Indian studies program is committed to broadening the knowledge of students interested in the histories, languages, cultures, arts and contemporary situations of American Indian nations and peoples; and it encompasses legal, policy, community and economic development as well as arts, languages and culture.

The program is designed to protect the integrity and identity of the Indigenous populations of North America and to create a learning environment conducive to critical and creative thought.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

American Indian Studies (Indigenous Rights and Social Justice), MS
American Indian Studies (Tribal Leadership and Governance), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAISBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, students can connect with Indigenous cultures around the world and expand the lens through which they view North American Indigenous populations. They can learn alongside peers from other countries and develop professional skills that include teamwork and cross-cultural communication. Students can stay on track academically by completing courses while they are in one of over 300 Global Education programs (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates of the American Indian studies program are qualified to fill positions at the tribal, state and federal government levels and in the private sector. They can pursue professional careers in fields such as government service or public service. For example, federally and tribally operated schools located in remote areas within Indian Country have high turnover rates for both teachers and staff. American Indian studies graduates should be available to help fill these positions. Furthermore, the federal government, a major employer on many reservations across the country, is in need of qualified people who are knowledgeable in Indian cultures, laws and policies. Additionally, many American Indian nations' economies and infrastructures are developing at a rapid pace, and they are in continuous need to fill mid-management and management-level positions.

Graduates find positions in many areas, such as:

- community action work
- public administration (tribal or state relations, nonprofit management, education administration, planner)
- public health
- the arts
- tribal employment (political office, tribal management, cultural resource programming, grant writer, cultural specialist, youth services)

This program also provides suitable preparation for the advancement to graduate study or law school.

**Contact Information:**
Liberal Arts and Sciences, The College of
American Indian Studies Program
https://americanindian.asu.edu/degree/undergrad/bs-american-indian-studies
DISCVRY 356
AIS@asu.edu
480-965-3634

## American Studies, BA (LAAMRSTBA)

**Campus:** Tempe

**Program Description:** The BA program in American studies bridges multiple disciplinary approaches to explore the diverse cultures, global impact, social systems, gendered experiences, socioeconomic realities and political thought of the United States. The field of American studies centers an understanding of diversity in U.S. society; understanding of how the U.S. national community represents and imagines itself; understanding of how

this resonates globally; and understanding the role of social movements seeking to achieve political, legal and economic change.

The program trains students in the history and trajectory of the field of American studies; explorations of racial literacy, gender, sexuality and socioeconomic experiences grounded in historical contexts that help in understanding contemporary U.S. populations; critical methodologies, including how alternative voices are key in research, politics and policy, and social justice work; applied research methods, particularly those that involve community involvement and engagement; and the use of storytelling and narratives to represent diverse communities and facilitate broader understanding across groups.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAMRSTBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates are prepared for careers in policy, education and teaching, urban planning, sustainability, socio-political movements, environmental impacts, advocacy, nonprofit organizations, government, journalism, law and justice, public safety and health. This degree program is also well suited for pairing with other professional degrees that prepare students for these careers.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Anthropology, BA (LAASBBA)

**Campus:** Tempe, Online

**Program Description:** Anthropology is the study of what it means to be human, in the broadest possible terms.

The program helps students recognize and solve problems facing the contemporary world through a broad understanding of humanity. Working alongside leading faculty, students gain experience as apprentices on research projects. Students also have opportunities for hands-on learning through study abroad programs and field schools.

The interdisciplinary program offers training in the main areas of anthropology, including archaeology, bioarchaeology, sociocultural anthropology and evolutionary anthropology.

Students enrolled in this program may not pursue a concurrent degree with the Bachelor of Science in anthropology or the Bachelor of Arts in global health, but they may add a minor in global health to complement the core curriculum. The BA in anthropology is primarily for those whose interests lie in society, culture and archaeology, while the BS is primarily taken by students interested in science and mathematics-based courses.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Health, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-anthropology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAASBBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer

experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad students often cite participation in Global Education programs (https://goglobal.asu.edu/) as the highlight of their academic career and a crucial moment in helping them gain a clearer view of the world, its peoples and the complex challenges facing everyone.

The School of Human Evolution and Social Change offers a suite of faculty-directed Global Education programs designed to connect students with real-life issues that impact local communities yet transect borders. Through any of the more than 300 programs available, students can see the world as they never have before and come away with memories to last a lifetime.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/anthropology) for students majoring in anthropology.

**Career Opportunities:** Graduates have the knowledge and skills they need to find jobs in fields where understanding complex human behavior is important. Anthropologists work in government agencies, the corporate world, nonprofit organizations, and in consulting roles and in private business where their knowledge of human interactions is critical for finding solutions to today's most complex issues.

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret complex problems and work effectively across cultures and languages. As the many spheres of human interaction expand globally, people trained in anthropology are increasingly sought for their broad, holistic knowledge and perspectives, the hallmarks of anthropology.

Career opportunities include:

- acting as legal advocates for displaced communities like refugees in international cases
- analyzing and proposing policies
- conducting postgraduate academic research or teaching
- consulting for private and public organizations
- curating cultural resources
- health system administration or health care professionals
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- planning pandemic and other disaster response

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

## Anthropology, BS (LAASBBS)

**Campus:** Tempe, Online

**Program Description:** This BS program in anthropology provides training in data collection, analysis and research design within the scientific approaches to anthropology.

Students learn how to use the scientific method to formulate and test hypotheses and how to gather data through such methods as field surveys, excavation and measurement. They also learn how to employ statistics to analyze and extract meaning from data. Through broad anthropological coursework, students learn to ask important questions about the human species and gain the tools to answer them.

The interdisciplinary program offers training in the main areas of anthropology, including archaeology, bioarcheology, sociocultural anthropology and evolutionary anthropology. In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Health, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bs-anthropology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAASBBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, students can see the world and gain hands-on experience that prepares them for a future-focused career. Students often cite participating in Global Education programs (https://goglobal.asu.edu/) as the highlight of their academic career and a crucial moment in helping them gain a clearer view of the world, its peoples and the complex challenges facing everyone.

The School of Human Evolution and Social Change offers a suite of faculty-directed Global Education programs designed to connect students with real-life issues that impact local communities yet transect borders. Through any of the more than 300 programs available, students can see the world as they never have before and come away with memories to last a lifetime.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/anthropology) for students majoring in anthropology.

**Career Opportunities:** The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in scientific modes of anthropology increasingly are sought-after for the combination of their broad, holistic knowledge and perspective and their technical skills.

Some career opportunities include:

- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for large and small private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- forensics
- genetics and other laboratory-based positions
- managing cultural resources in public and private sectors
- modeling infectious diseases
- providing health care as nurses, doctors, or public health professionals
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

## Asia Studies, BA (LAASIABA)

**Campus:** Tempe

**Program Description:** The BA program in Asia studies offers students an in-depth and comprehensive study of Asia --- China, Japan, Korea, Indonesia, India and other countries --- through a number of different disciplines wrapped up into a coherent plan of academic study. The program provides students with a variety of intellectual tools that enable them to address languages, religions and cultures, artistic traditions, political and social issues, and global networks of Asia as well as diasporic experiences of Asians, and to apply that knowledge in many academic and professional settings.

**Additional Program Fee:** N
**Second Language Requirement:** Y
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAASIABA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students have the opportunity to immerse themselves in the cultures they are studying, through study abroad programs (https://goglobal.asu.edu/) available throughout Asia. Students can deepen their understanding of Asian history and culture, and the heightened

cultural competency, critical thinking and communication skills they acquire will enhance their resumes.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/shprs/asia-studies) for students majoring in Asia studies.

**Career Opportunities:** People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication and journalism
- environmental studies
- government services and diplomacy
- higher education
- international business
- natural resource management
- popular art and culture
- supply chain management
- transportation and tourism
- translation and editing

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Asia Studies (East Asia), BA (LAHSTEABA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Interested students should apply to the Asia Studies BA (https://degrees.apps.asu.edu/bachelors/major/ASU00/LAASIABA/asia-studies) program.
**Program Description:** The BA program in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent concentration of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools that enable them to address contemporary political, social and cultural issues in Asia and apply their knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on East Asia includes coursework on China, Japan, Korea and Taiwan.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM

Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHSTEABA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students have the opportunity to immerse themselves in the cultures they are studying, through Global Education programs (https://goglobal.asu.edu/). In programs available throughout East Asia, students can deepen their understanding of East Asian history and culture, and the heightened cultural competency, adaptability, and critical thinking and communication skills they acquire will enhance their resumes.

The College of Liberal Arts and Sciences recommends the following study abroad programs (https://goglobal.asu.edu/students/major/shprs/asia-studies) for students majoring in Asia studies with a concentration in East Asia.

**Career Opportunities:** People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication and journalism
- diplomacy, trade and international organizations
- food security
- higher education
- humanitarian service and philanthropy
- intelligence
- law and law enforcement
- military studies
- technology transfer
- transportation and tourism

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Asia Studies (South Asia), BA (LAHSTSABA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Interested students should apply to the Asia Studies BA

(https://degrees.apps.asu.edu/bachelors/major/ASU00/LAASIABA/asia-studies) program.
**Program Description:** The BA program in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent curriculum of academic study across a number of disciplines.

The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and enables them to apply valuable knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on South Asia includes coursework covering Bangladesh, India, Pakistan and other South Asian states and societies.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHSTSABA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer

experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students have the opportunity to immerse themselves in the very cultures they are studying through Global Education programs (https://goglobal.asu.edu/). In programs available throughout Southern Asia, students can deepen their understanding of South Asian history, religion and culture while enhancing their resumes with the heightened cultural competency, adaptability, and critical thinking and communication skills they acquire through the experience.

The College of Liberal Arts and Sciences recommends the following study abroad programs (https://goglobal.asu.edu/students/major/shprs/asia-studies) for students majoring in Asia studies with a concentration in South Asia.

**Career Opportunities:** People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication and journalism
- diplomacy, trade, and international organizations
- food security
- higher education
- humanitarian service and philanthropy
- intelligence
- law and law enforcement
- military
- technology transfer
- transportation and tourism

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Asia Studies (Southeast Asia), BA (LAHSTSEABA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Students interested in this program should apply to the Asia Studies BA (https://degrees.apps.asu.edu/bachelors/major/ASU00/LAASIABA/asia-studies) program.
**Program Description:** The BA program in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent curriculum of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on Southeast Asia includes coursework covering:

- Brunei
- Burma/Myanmar
- Cambodia
- East Timor
- Indonesia
- Laos
- Malaysia
- Singapore
- Thailand
- the Philippines
- Vietnam

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics

**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHSTSEABA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students have the opportunity to immerse themselves in the very cultures they are studying through Global Education programs (https://goglobal.asu.edu/) available throughout Southeast Asia. They can deepen their understanding of Southeast Asian history, philosophy and culture, and the heightened cultural competency, adaptability, critical thinking and communication skills they acquire through study abroad will enhance their resumes.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/shprs/asia-studies) for students majoring in Asia studies with a concentration in Southeast Asia.

**Career Opportunities:** People knowledgeable about Asia are required in virtually every arena in which the U.S. interacts with the rest of the world, including:

- communication and journalism
- diplomacy, trade, and international organizations

- food security
- higher education
- humanitarian service and philanthropy
- intelligence
- law and law enforcement
- military studies
- technology transfer
- transportation and tourism

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Asian Languages (Chinese), BA (LACHIBA)

**Campus:** Tempe

**Program Description:** The BA program in Asian languages with a concentration in Chinese emphasizes proficiency in reading, writing and speaking Mandarin and in reading classical Chinese.

Students gain an in-depth understanding of the fundamentals of the rich Chinese cultural tradition, centered on primary Chinese texts (these are in Chinese and in English translation) from the literary, intellectual and religious cultures of Chinese-speaking societies. These texts include visual and written materials on a variety of topics, including:

- history
- linguistics
- literary theory
- media
- philosophy
- religion
- urban culture

Highly motivated students interested in learning Chinese to professional level of proficiency are encouraged to inquire about the Chinese Language Flagship Program (https://silc.asu.edu/chineseflagship). All students with higher levels of linguistic competency may enroll in targeted courses (they are conducted in Chinese) offered as part of the Chinese flagship track.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent degrees or a second baccalaureate in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHIBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) is vital when learning the Chinese language. Immersing oneself in the second most spoken language in the world adds value to the degree, and having a thorough understanding of Chinese cultural elements prepares graduates to take off in an exciting, multicultural career with valuable skills employers seek, like heightened cultural competency, adaptability, critical thinking and communication skills.

**Career Opportunities:** Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive professions include:

- foreign correspondent or media professional
- foreign service officer
- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- nongovernmental organization professional
- professor of language, literature and culture
- translator or interpreter
- travel professional

Career fields in which speaking multiple languages is a benefit include:

- advertising, marketing and communications
- airline industry
- film, television or multimedia
- foreign correspondence and journalism
- hospitality industry
- intelligence
- international education and study abroad administration
- international law
- public relations
- technology industries

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-asian-languages-chinese
DH 131
silcadvising@asu.edu
480-965-6281

## Asian Languages (Japanese), BA (LAJPNBA)

**Campus:** Tempe

**Program Description:** Students in the BA program in Asian languages with a concentration in Japanese study the language, literature and culture of Japan and gain a respectable measure of competence in reading, writing, and oral and aural skills in the Japanese language. Students also gain linguistic and cultural competence through the required study of classical Japanese.

In addition, ASU offers summer or yearlong programs to study abroad (https://goglobal.asu.edu/) in Japan.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJPNBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) is vital when learning the Japanese language. Immersing oneself in the language and culture adds value to the degree and prepares students to take off in an exciting, multicultural career with valuable skills employers seek, like heightened cultural competency, adaptability, critical thinking and communication skills.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/SILC/japanese) to students majoring in Japanese.

**Career Opportunities:** Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- intelligence officer
- international banking and finance professional
- language teacher
- law and immigration professional

- multilingual administrative professional
- professor of language, literature and culture
- translator or interpreter
- travel professional

Career fields and occupations using languages include:

- advertising, marketing or communications
- airline industry
- film, television or multimedia
- hospitality industry
- intelligence
- international education and study abroad administration
- international law
- lifestyle management
- public relations
- technology industries

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-asian-languages-japanese
DH 131
silcadvising@asu.edu
480-965-6281

## Asian Pacific American Studies, BA (LAAPABA)

**Campus:** Tempe

**Program Description:** The BA program in Asian Pacific American studies prepares students to engage and transform their communities.

Asian American, Native Hawaiian and Pacific Islander communities include multiracial and multiethnic coalition building and resistance, colonization and military occupation, exploited labor, Indigenous sovereignty, environmental justice, migration, multiracial identities, activism, creative resistance, and diverse genders and sexualities. These diverse AAPI experiences provide key insights about global processes that inform current issues and how AAPI communities have responded within local contexts.

Students may apply the interdisciplinary knowledge and skills they learn in this program to an optional internship working with local communities in culturally relevant ways that are productive and empowering.

Asian Pacific American studies emphasizes community-engaged research methods, local community collaboration and independent research for the development of transferrable skills applicable to professional careers, civic engagement and world-making. The program applies a pedagogy of care and creative options that promote student learning and success.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

American Studies, MA
Social and Cultural Pedagogy, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAAPABA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Analyze a historical or contemporary issue affecting the AAPI community.
•Ability to critically discuss and analyze Asian American and Pacific Islander experiences and communities within local, national and global contexts.
•Demonstrate an understanding of the history of Asian American and Pacific Islander communities in the U.S. through an internship or a research project under the supervision of an ASU faculty member.

**Global Opportunities:**
Global Experience: Students in the Asian Pacific American studies program are able enhance their education by studying abroad.

With more than 300 Global Education programs (https://goglobal.asu.edu/) available in more than 65 countries, including many countries in Asia, students can improve their language skills, gain firsthand experience in their field of study, and experience new and unique cultures. Students gain a new perspective on international affairs, dispel stereotypes, and improve their cultural competency.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/sst/asian-pacific-american-studies) for students majoring in Asian Pacific American studies.

**Career Opportunities:** Graduates who complete the bachelor's degree program in Asian Pacific American studies possess skills relevant for any career, professional degree or graduate school. Training from this program also complements work in positions involving:

- business
- community organizations
- creative arts
- education
- health
- immigration
- journalism
- law
- social work

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu

480-965-7682

# Astronomical and Planetary Sciences, BS (LAASTPLSBS)

**Campus:** Online

**Program Description:** The online BS program in astronomical and planetary sciences provides broad training in the scientific foundations required to understand and communicate the fundamentals of space exploration and ongoing advances in the field.

The degree program includes groundwork in mathematics and physical sciences, topical courses focused on diverse fields within astronomy and planetary science, and exposure to the engineering and computational tools and techniques used to carry out research.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief Calculusor higher
**Program Math Intensity:** Moderate

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/astronomy-bachelors/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAASTPLSBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), Global Education is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a career.
Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward

program costs.

**Career Opportunities:** Graduates pursue careers in fields that value the quantitative, technical skills taught as part of an astronomy education. These include K-12 STEM teaching positions, science and technology journalism and writing careers, and technical careers involving statistical data analysis or computer programming or technical positions supporting space and research industry and policy.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/degree/undergrad/bs-astronomical--planetary-scien
ISTB4 795
SESE-online@asu.edu
480-965-5081

## Biochemistry, BA (LABCHBA)

**Campus:** Tempe, Online

**Program Description:** The BA program in biochemistry provides students with a wide array of courses such as basic chemistry, the chemistry of biomolecules, cellular function, and liberal arts and languages.

This program is a flexible option for students interested in a liberal arts degree with a strong grounding in physical science. It is ideal for students seeking to complete two degrees. Students wishing to pursue a scientific graduate degree should consider the BS in biochemistry.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT  251 - Calculus for Life SciencesStudents may complete MAT 270 Calculus with Analytic Geometry I or MAT 265 Calculus for Engineers I in lieu of MAT 251 Calculus for Life Sciences.
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/biochemistry-ba/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABCHBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: When studying abroad (https://goglobal.asu.edu/), students gain valuable experience in a diverse set of programs. Students earn ASU credit for completed courses, while staying on track for graduation.

With their resumes enhanced by the heightened skills in communication, critical thinking and leadership they acquired through the study abroad experiences, graduates stand out competitively in their chosen fields.

**Career Opportunities:** Graduates of this program are prepared for careers in a variety of fields, such as medicine and health, chemical and biotechnology industry, pharmaceuticals, environmental and food science, food production, environmental protection, scientific sales and marketing, and other forms of public service such as policymaking and teaching, patent law and many other technical areas.

Those with a Bachelor of Arts in biochemistry also are well prepared for application to graduate schools, such as medical, dental and pharmacy.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/
PSD 104
SMSadvising@asu.edu
480-965-7667

## Biochemistry, BS (LABCHBS)

**Campus:** Tempe, Online

**Program Description:** Students in the BS program in biochemistry take courses in a wide array of subjects, such as basic chemistry, the properties and function of biomolecules, and the mechanisms of cellular function and living organisms.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry Ior MAT 265 Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biochemistry (Medicinal Chemistry), MS
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-biochemistry/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABCHBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students participating in Global Education programs (https://goglobal.asu.edu/) gain valuable experience in a diverse set of programs in other countries. The study abroad experience helps students deepen their understanding of biochemical processes and enhance their knowledge of research methods used across the globe. With their resumes enhanced by the heightened skills in communication, critical thinking and leadership they acquired through the study abroad experience, graduates stand out in their competitive fields.

**Career Opportunities:** A BS degree in biochemistry is an excellent choice for careers in medicine and health, chemical and biotechnology industries, drug design and pharmaceuticals, new sources of energy and materials, research, government laboratories, environmental and food science, teaching and many other technical areas.

The Bachelor of Science program in biochemistry provides the necessary training for competitive applications to medical, dental, pharmacy and other health-related graduate schools, and to advanced graduate research degree programs in biochemistry.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/
PSD 104
SMSadvising@asu.edu
480-965-7667

**Campus:** Tempe, Online

**Program Description:** Students in the BS program in biochemistry with a concentration in medicinal chemistry take courses in areas including basic chemistry, the properties and function of biomolecules, and the mechanisms of cellular function to living organisms. Within the medicinal chemistry concentration, students learn how to apply chemical and biochemical thinking to the design and function of medicines.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry Ior MAT 265 Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biochemistry (Medicinal Chemistry), MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/medicinal-chemistry/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABCHMBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options provide an opportunity for students to develop a valuable skill set that can give them an advantage in career and personal enrichment. Studying abroad helps students build cultural competency skills as well as heightened skills in communication, critical thinking and leadership that allow them to stand out on their graduate school applications.

Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people. Students earn ASU credit for completed courses, while staying on track for graduation.

**Career Opportunities:** A solid undergraduate education in biochemistry with an emphasis in medicinal chemistry provides the necessary background for career paths in chemical, medical, pharmaceutical and biotechnology industries and for careers in governmental regulation, health care, research and other areas. It also confers critical skills for pharmacy and medical school.

Many students who intend to apply to medical school take biochemistry with a medicinal chemistry emphasis in order to make their applications more competitive, and this degree program is ideal for such students. The program provides excellent preparation for advanced graduate study in biochemistry, pharmaceutics, pharmacology, toxicology and for careers in drug design and pharmaceuticals, medicine and health, research, food production, environmental protection and several other technical fields.

Students planning careers in medicine, dentistry, pharmacy, veterinary medicine or research in these or related fields also often pursue the medicinal chemistry concentration, with supporting work in biology and chemistry, as the route for pre-professional training.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/
PSD 104
SMSadvising@asu.edu
480-965-7667

## Biological Sciences, BS (LABSCBS)

**Campus:** Tempe, Online

**Program Description:** The life sciences involve the study of the basic organization and processes of life (microbes, plants and animals) at scales ranging from molecules to ecosystems and in time from picoseconds to millennia. This includes investigations into how hereditary information is transferred and organisms evolve, the interplay of organisms and their environments, and how these factors interact in health and disease.

Students interested in a degree in life sciences can opt for a BS in biological sciences or choose one of five concentrations:

- biology and society
- biomedical sciences
- conservation biology and ecology
- genetics, cell and developmental biology
- neurobiology, physiology and behavior

The biological sciences major with no concentration is designed for students who are committed to studying and training in multiple disciplines in biology and for students who want to get more exposure to the life sciences before deciding whether they want to declare a concentration as an undergraduate. Therefore, students in this major take core courses from several concentrations. Students in this major have more flexibility to customize their program of study so they can focus on their own area of interest that may not have a concentration, such as plant biology or genomics.

This program is available as an accelerated degree program (https://sols.asu.edu/degree-programs/accelerated-bachelors-masters-science).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biology (Biology and Society), MS
Biology, MS
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
Microbiology, MS
Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/biological-sciences-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Professional health education is competitive. Less than 50% of students who apply to medical schools are admitted; the numbers vary for other health-related fields. Medical and professional school admission officers increasingly focus on students with dedication to community service, so engaging in community activities and research abroad will help any student who intends to pursue a health career to create a diverse, accomplished portfolio that can give them an advantage over the competition.

Study abroad students experience unique biological environments and gain an understanding of worldwide differences in the human condition. Global Education programs (https://goglobal.asu.edu/) provide an opportunity for students to develop a valuable skill set by exposing them to different health environments and expanding their knowledge of culturally specific health approaches.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/biological-sciences) for students majoring in biological sciences.

**Career Opportunities:** The biological science major provides an excellent foundation for graduate study as well as preparation for professional schooling in:

- dentistry
- medicine
- pharmacy
- veterinary medicine

Graduates may enter positions in:

- biotechnology
- education
- government
- industry

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/undergrad/bs-biological-sciences
LSA 189
sols.advising@asu.edu
480-727-6277

## Biological Sciences (Biology and Society), BS (LABSCSBS)

**Campus:** Tempe, Online

**Program Description:** The BS program in biological sciences with a concentration in biology and society focuses on training biology students to understand the social context of their science and to ask how and why a biological problem has been and should be studied. Students explore the ways in which policy decisions shape and are shaped by biological research and they investigate the meaning and significance of the life sciences in understanding a complex world.

The biology and society curriculum is highly individualized. This unique degree is home to world-class researchers and teachers in diverse fields, including bioscience ethics, history and philosophy of science, science communication, science education and science policy, all brought together under one program. Students have the option to work with many renowned scholars in independent study and research projects.

This program is available as an accelerated degree program (https://sols.asu.edu/degree-programs/accelerated-bachelor-masters-sciences).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biology (Biology and Society), MS
Biology, MS
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
Microbiology, MS
Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/biology-and-society/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCSBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, whether in a foreign country, in the U.S. or online, students studying biological sciences are able to experience unique biological environments and gain an understanding of worldwide differences in the human condition. They are able to be exposed to a variety of laws, policies and practices in biology-centric environments worldwide and expand their knowledge of how science impacts society. Students also are able to engage in community service and outreach all around the world, which can help their graduate and professional program applications stand out.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/sls/biological-sciences-biology-society) for students majoring in biological sciences with a concentration in biological and society.

**Career Opportunities:** Biology and society students gain the historical, philosophical, political and ethical perspectives needed to explore interactions between the life sciences and related, complex human issues. As a result, the program contributes to better informed and more effective teachers, writers, policymakers, clinicians and researchers in areas related to biology, medicine and society.

Graduates of the individualized, skill-based curriculum are eligible for a broad range of career options. Most have chosen to pursue professional degrees in medicine, law, public health or public policy, or to pursue graduate study in biology, ethics, education or history and philosophy of science. Graduates enter the workforce, whether in academia, industry, government or clinical practice, with a deep sensitivity to the complexity of biology in society and the skill to navigate that complexity throughout their careers.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/undergrad/bs-bio-sci-bio--society
LSA 189
sols.advising@asu.edu
480-727-6277

## Biological Sciences (Biomedical Sciences), BS (LABSCMBS)

**Campus:** Tempe, Online

**Program Description:** The biomedical sciences concentration serves students in the BS program in biological sciences who wish to pursue careers in medicine, other health professions or biomedical research in academic, clinical or industry settings.

The curriculum aligns with the broad scientific competencies recommended for premedical students as stated in a report of the American Medical Colleges and the Howard Hughes Medical Committee and reflected in the 2015 changes to the Medical College Admission Test. Coursework draws from the school's concentration in genetics, cell and developmental biology and the concentration in neurobiology, physiology and behavior, with the addition of courses in biology and in medicine and society. The concentration focuses on chemistry, biochemistry, math and physics coursework that students need in preparation the MCAT and for medical school admission, and it emphasizes core concepts, competencies and critical intellectual skills necessary for success in medical school or biomedical research.

This program is available as an accelerated degree program (https://sols.asu.edu/degree-programs/accelerated-bachelors-masters-science).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their

academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biology (Biology and Society), MS
Biology, MS
Global Management, MGM
Microbiology, MS
Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/biological-sciences-biomedical-sciences-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCMBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, whether in a foreign country, in the U.S. or online, students studying biological sciences are able to experience unique biological environments and gain an understanding of worldwide differences in the human condition. They are able to be exposed to a variety of laws, policies and practices in biology-centric environments worldwide and expand their knowledge of how science impacts society. Students also are able to engage in community service and outreach all around the world, which can help their graduate and professional program applications stand out.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/sls/biological-sciences-biomedical-sciences) for students majoring in biological sciences with a concentration in biomedical sciences.

**Career Opportunities:** Graduates are well equipped to enter careers as research scientists or as scientists in the health professions, having met the majority of prerequisite requirements and mastered many of the competencies valued by graduate programs in medical, dental and optometry fields or programs which prepare students to be physician assistants or physical therapists.

Additionally, graduates have an understanding of the process of science, preparing them for a career in research. They have knowledge of

foundational concepts in biological sciences, chemistry, physics and statistics and the ability to understand and apply core biomedical concepts. This prepares them for entry into biology research in a vast number of areas, some of which include genetics, genomics, evolution, physiology and immunology.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/undergrad/bs-bio-sci-biomedical-sci
LSA 189
sols.advising@asu.edu
480-727-6277

## Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)

**Campus:** Tempe, Online

**Program Description:** Ecology is the study of the distribution and abundance of organisms, the interactions among organisms, and the interactions between organisms and the physical environment. Conservation biology is an applied science based on ecological principles that focuses on conserving biological diversity and on restoring degraded ecosystems.

Arizona State University is committed to a more sustainable world and sharing knowledge of conservation biology and ecology. The BS program in biological sciences with a concentration in conservation biology and ecology is one critical component to help meet this global challenge.

Conservation biologists at ASU investigate the impact of humans on Earth's biodiversity and develop practical approaches to prevent the extinction of species and promote the sustainable use of biological resources. Some investigate the causes of ecosystem degradation and use ecological principles to reestablish desired conditions in a variety of ecosystems, including rivers, wetlands, grasslands, urban landscapes and forests.

This program is available as an accelerated degree program (https://sols.asu.edu/degree-programs/accelerated-bachelors-masters-science).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Biology (Biology and Society), MS
- Biology, MS
- Global Management, MGM
- Microbiology, MS
- Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/conservation-biology-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCCBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, students studying biological sciences are able to experience unique biological environments and gain an understanding of conservation biology practices worldwide. They are able to be exposed to a variety of laws, policies and practices in biology-centric environments and expand their knowledge of how science impacts society. Students also are able to engage in community service and outreach, which can help them stand out in graduate study or a professional career.

With more than 300 programs available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/sls/biological-sciences-conservation-biology-ecology) for students majoring in biological sciences with a concentration in conservation biology and ecology.

**Career Opportunities:** The curriculum prepares students with skills and concepts for employment and provides a solid platform for those who wish to attend graduate school. Graduates are prepared for careers with:

- governmental agencies such as the Environmental Protection Agency and state game and fish departments
- K-12 education, colleges and universities
- nongovernmental organizations such as The Nature Conservancy and Conservation International
- private companies focused on environmental resources, environmental law or environmental economics

The concentration can provide training in specific skills that might be needed in these areas:

- animal and plant physiology, identification and ecology
- behavioral ecology and population biology
- community, ecosystem and landscape ecology
- conservation of endangered species
- ecology of different habitats, including cities, lakes, rivers and grasslands
- restoration of degraded ecosystems

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/undergrad/bs-bio-sci-conser-bio--ecology
LSA 189
sols.advising@asu.edu
480-727-6277

**Campus:** Tempe, Online

**Program Description:** The BS program in biological sciences with a concentration in genetics, cell and developmental biology integrates the study of three exciting, closely related areas of life science research.

Genetics examines the blueprints of life, such as DNA sequence and gene expression, while cell biology studies the machinery of life enclosed within the boundaries of cells. Developmental biology uses both genetics and cell biology to understand how genes and the environment interact to produce a whole new individual from a single cell as well as to understand the various developmental changes that organisms undergo throughout life.

The combined study of genetics, cell biology and development has resulted in a better understanding of many diseases and promises to prove even more important in the future.

Students are encouraged to engage in independent research projects or internship opportunities to develop a better sense of how science is done.

This program is available as an accelerated degree program (https://sols.asu.edu/degree-programs/accelerated-bachelors-masters-science).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biology (Biology and Society), MS
Biology, MS
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
Microbiology, MS
Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bs-genetics-cell-and-developmental-biology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCGBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, students studying biological sciences are able to experience unique biological environments and gain an understanding of worldwide differences in the human condition. They are able to be exposed to a variety of laws, policies and practices in biology-centric environments worldwide and expand their knowledge of how science impacts society. Students also are able to engage in community service and outreach all around the world, which can help them stand out in graduate study or a professional career.

With more than 300 programs available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. The College of Liberal Arts and Sciences recommends these programs (http://goglobal.asu.edu/students/major/sls/biological-sciences-genetics-cell-developmental-biology) for students majoring in biological sciences with a concentration in genetics, cell and developmental biology.

**Career Opportunities:** Graduates of this concentration have learned critical thinking skills that can be applied to many scientific problems and professions as well as to the challenges of daily life, and they have a variety of career options.

This degree provides the fundamental coursework necessary for admission into medical, dental, veterinary, pharmacy or graduate schools or any of the health professions. There also are many employment opportunities that can be pursued upon receipt of the Bachelor of Science with this concentration, such as:

- animal breeder technician
- bioinformaticist or biotechnologist
- crime lab technician
- cytotechnologist
- drug or vaccine design technician
- genetic counselor
- histologist
- in-vitro fertilization technician
- teacher
- technical writer

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/undergrad/bs-bio-sci-gen-cell--dev-bio

LSA 189
sols.advising@asu.edu
480-727-6277

# Biological Sciences (Neurobiology, Physiology and Behavior), BS (LABSCABS)

**Campus:** Tempe

**Program Description:** The neurobiology, physiology and behavior concentration serves students in the BS program in biological sciences with a broad yet rigorous education.

While it might seem that neurobiology, physiology and behavior are quite separate fields, the three interact extensively in living organisms to achieve common goals. By studying neurobiology, behavior and physiology from the perspectives of molecular and cellular biology, evolution, organ systems (neural, endocrine, cardiovascular, respiratory, immune and more), and the environment, students gain insight into how these aspects work together in a variety of ways.

Students in this concentration also learn to apply principles from mathematics, chemistry and physics. Discoveries are made at the laboratory bench and in the field, and students in the concentration are encouraged to participate in research projects in the labs of faculty members.

This program is available as an accelerated degree program (https://sols.asu.edu/degree-programs/accelerated-bachelors-masters-science).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Biology (Biology and Society), MS
- Biology, MS
- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Integrated Health Care), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Microbiology, MS
- Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABSCABS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, whether in a foreign country, in the U.S. or online, students studying biological sciences experience unique biological environments and gain an understanding of worldwide differences in the human condition. They are able to be exposed to a variety of laws, policies and practices in biology-centric environments worldwide and expand their knowledge of how science impacts society.

With more than 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets, and they are able to engage in community service and outreach, which can help their graduate and professional program applications stand out.

The College of Liberal Arts and Sciences recommends these programs (http://goglobal.asu.edu/students/major/sls/neurobiology-physiology-behavior) for students majoring in neurobiology, physiology and behavior.

**Career Opportunities:** The broad education and critical-thinking skills students receive in this concentration are applicable to a variety of rewarding careers. Premedical, preveterinary and predental students get the background and courses needed for professional school application and beyond. Many students go on to graduate school for academic, teaching or research careers in areas such as:

- endocrinology
- environmental or behavioral physiology
- human physiology
- metabolism
- neurobiology
- social behavior

With a Bachelor of Science degree in this concentration, graduates have opportunities for technical positions in hospitals, research institutes and industry (food, dairy, chemical, pharmaceutical and biotechnology) as well as in government laboratories and agencies. The most important skills students learn in the concentration are critical thinking and problem-solving skills that can be applied to many scientific problems and professions as well as to the challenges of daily life.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/undergrad/bs-biosci-neurobio-phys--behav
LSA 189
sols.advising@asu.edu
480-727-6277

## Biophysics, BS (LABIPHBS)

**Campus:** Tempe, Online

**Program Description:** The BS program in biophysics uses the methods and theories of physics to study biological systems. This includes gaining a working understanding of principles governing all scales of biological organization, from molecular processes of life to organisms and ecosystems.

Students are exposed to novel learning methods and laboratory experiences, with additional opportunities to conduct independent research and work directly with faculty in the field. This strong foundation prepares students to seek roles within academia, medicine, renewable energy, research and technology.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Current ASU students wishing to change their major to physics should have a minimum cumulative GPA of 2.50 (scale is 4.00= "A") for all critical classes they have completed.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/biophysics-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABIPHBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: Study abroad affords students the opportunity to gain valuable experience in a diverse set of programs available in a variety of countries around the world. Students are able to study biophysics abroad through a wide set of opportunities related to physics, chemistry and biology.

Graduates who possess the heightened skills in communication, critical thinking and leadership they acquired through study abroad may stand out in a competitive field. More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The broad range of applicability of the principles of biophysics gives great flexibility in a choice of career or further education including:

- chemical industries
- engineering
- government
- medicine
- physics research
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Physics
https://physics.asu.edu/
PSF 470
physics.undergrad@asu.edu
480-965-3561

## Chemistry, BA (LACHMBA)

**Campus:** Tempe, Online

**Program Description:** Students in the BA program in chemistry take a wide range of courses that prepare them to take on important problems using atomic and molecular level thinking in areas as diverse as energy and sustainability, new materials, medicine and health, nanoscience, environmental science, forensics, cosmetics and food chemistry, patent law, sales and marketing.

The Bachelor of Arts program in chemistry is a flexible option for students interested in a liberal arts degree with a strong grounding in physical science. It is ideal for students seeking to complete two degrees. Students pursuing a bachelor's degree in chemistry have opportunities to explore a variety of interests, from laboratory science to working in the public sector in regulation or law.

Students wishing to pursue a scientific graduate degree should consider the BS in chemistry.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry Ior MAT 265 Calculus for Engineers
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHMBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: When studying abroad (https://goglobal.asu.edu/), chemistry students can gain valuable experience in a diverse set of programs. Students earn ASU credit for completed courses, while staying on track for graduation. Students who study abroad acquire heightened skills in communication, critical thinking and leadership.

**Career Opportunities:** A degree in chemistry provides the background for careers in chemical and electronics industries, in national research labs, environmental labs and forensic labs. Chemistry can be combined with law for patent work, with economics for sales and marketing careers, and with computer science for careers in information technology. Students with a strong liberal arts background are also prepared for careers in scientific sales, marketing, human development and training. Students often take chemistry degree programs to be competitive applicants for admission to medical, dental or pharmacy schools.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/
PSD 104
SMSadvising@asu.edu
480-965-7667

## Chemistry, BS (LACHMBS)

**Campus:** Tempe

**Program Description:** In the BS program in chemistry, students take courses that give them the knowledge and skills to solve problems at the atomic and molecular levels in areas as diverse as energy and sustainability, new materials for technology, medicine and health, nanoscience, environmental science, forensics, cosmetics and food chemistry.

The Bachelor of Science degree in chemistry is accredited by the American Chemical Society, and it prepares students for advanced study of chemistry and material science in competitive graduate degree programs. More information about the American Chemistry Society accreditation can be found on their website: https://www.acs.org/ (https://www.acs.org/).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit The College's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry Ior MAT 265 Calculus for Engineers
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biochemistry (Medicinal Chemistry), MS
Materials Science and Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHMBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: When studying abroad (https://goglobal.asu.edu/), chemistry students can gain valuable experience in a diverse set of programs, and they acquire heightened skills in communication, critical thinking and leadership which will enable them to stand out competitively in their chosen field. Students earn ASU credit for completed courses while staying on track for graduation.

**Career Opportunities:** A degree in chemistry provides the background for careers in chemical and electronics industries, in national research labs, environmental labs and forensic labs. Chemistry can be combined with law for patent work, with economics for sales and marketing careers, and with computer science for careers in information technology. Students often take Bachelor of Science in chemistry degree programs to become competitive applicants for admission to medical, dental or pharmacy schools.

Chemists conduct both research and routine work in laboratories; they study the environment; they work in manufacturing, sales and marketing; they work in the public sector deciding policy and regulation; and they teach.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/
PSD 104
SMSadvising@asu.edu
480-965-7667

## Chemistry (Environmental Chemistry), BS (LACHMEBS)

**Campus:** Tempe

**Program Description:** The BS in chemistry with an environmental chemistry concentration is an interdisciplinary degree program that combines chemistry with environmental sciences courses in geology, mathematics and physics. Students learn to understand the world around them from a molecular perspective and to tackle problems in pollution control, energy and climate change.

This program prepares students to become scientists and leaders in solving environmental problems and for careers in environmental science, policy and regulation, and it serves as excellent preparation for advanced level study of chemical and environmental sciences in graduate school.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry Ior MAT 265 Calculus for Engineers
**Program Math Intensity:** Substantial

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACHMEBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: Students who participate in Global Education programs (https://goglobal.asu.edu/) can strengthen their understanding of environmental chemistry through hands-on experience in new and exciting environments. Programs provide students with a global perspective and knowledge in preparation for a forward-thinking career.

**Career Opportunities:** A solid undergraduate program of education in chemistry that is obtained with this degree provides the necessary background for many career paths in chemical industries, government and other areas. This degree can be combined with law for patent work or government work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval related to our planet.

Students planning to work in areas related to the environment will find the environmental chemistry concentration especially appropriate; they are also prepared for careers in environmental science, environmental monitoring, policy and regulation.

**Contact Information:**

Liberal Arts and Sciences, The College of
School of Molecular Sciences
https://sms.asu.edu/
PSD 104
SMSadvising@asu.edu
480-965-7667

## Civic and Economic Thought and Leadership, BA (LACELBA)

**Campus:** Tempe

**Program Description:** The BA program in civic and economic thought and leadership incorporates the study of political philosophy, economic thought, history and American politics.

Faculty engage students through the Socratic method, which challenges students to analyze the complex topics impacting lives today. Students refine their ability to read closely, think analytically, write carefully and speak effectively.

The curriculum, combined with outside-the-classroom leadership experiences, provides students with the broad, academic foundation they will use throughout their careers. Students have the opportunity to intern on Capitol Hill, in congressional offices in their district, with nonprofits around the country or in an opportunity of their academic interest. They engage with world-renowned scholars and experts who visit ASU for large lectures and small seminars through the school's public programs and civic outreach initiatives, and they are able to apply for one of the school's Global Intensive Experiences, which study service and leadership in places such as Israel and the West Bank, India and South Africa.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Classical Liberal Education and Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACELBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students studying civic and economic thought and leadership gain valuable leadership and communication skills through unique study abroad experiences (https://goglobal.asu.edu/) across the globe. Programs can be found in a variety of countries around the world. By studying abroad, students expand their scope of learning beyond the classroom and gain hands-on experience in different and exciting cultures.

**Career Opportunities:** Graduates are inspired and prepared to lead and serve in civil society, public affairs or government, and the internship provides the professional experience that employers look for on a resume.

Some career paths graduates might pursue include business, education, foreign service, government, law, politics, national security affairs and public office.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Civic & Economic Thought and Leadership
https://scetl.asu.edu/
COOR 6611
scetladvising@asu.edu
480-965-0155

## Civic and Economic Thought and Leadership, BS (LACETLBS)

**Campus:** Tempe

**Program Description:** The BS program in civic and economic thought and leadership incorporates the study of political philosophy, economic thought, history and American politics.

Faculty engage students through the Socratic method, which challenges students to analyze the complex topics impacting lives today. Students refine their ability to read closely, think analytically, write carefully and speak effectively. The curriculum, combined with outside-the-classroom leadership experiences, prepares students with the broad, academic foundation they will use throughout their careers.

Students have the opportunity to intern on Capitol Hill, in congressional offices in their district, with nonprofits around the country or in an opportunity of their academic interest. They engage with world-renowned scholars and experts who visit ASU for large lectures and intimate seminars through the school's public programs and civic outreach initiatives, and they are able to apply for one of the school's Global Intensive Experiences, which study service and leadership in places such as Israel and the West Bank, India, and South Africa.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Classical Liberal Education and Leadership, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACETLBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students studying civic and economic thought and leadership gain valuable leadership and communication skills through unique study abroad experiences (https://goglobal.asu.edu/) across the globe. Programs can be found in a variety of countries. When studying abroad, students expand their scope of learning beyond the classroom and gain hands-on experience in different and exciting cultures.

**Career Opportunities:** Graduates are inspired and prepared to lead and serve in civil society, public affairs or government, and the internships provide the practical professional experience that employers desire.

Some career paths graduates might pursue include business, education, government, law, politics, national security affairs and public office.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Civic & Economic Thought and Leadership
https://scetl.asu.edu/
COOR 6611
scetladvising@asu.edu
480-965-0155

## Communication, BA (LACOMBA)

**Campus:** Tempe, Online

**Program Description:** The BA program in communication focuses on how message processes create, maintain and transform identities, relationships, workplaces and communities.

This program provides a culturally based liberal arts focus with a second language requirement. Such courses and activities allow students to explore many fascinating questions, such as how messages can optimally advocate for a cause, sports team or organization; how people can communicate creatively in a variety of settings and styles; how valid messages differ from invalid messages; how and why cultural differences make communication difficult; and why some topics are difficult to discuss and consistently lead to conflict.

Through rigorous coursework and rewarding applied experiences, students gain effective communication skills that are highly sought by employers. Students learn to write and speak effectively and are able to convey complex ideas simply. They are prepared for employment in communication-intensive fields or for graduate study.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students who have attended previously ASU and are returning to the university with transfer credit must have a minimum ASU cumulative GPA of 2.00 in order to be admitted into the Hugh Downs School of Human Communication.
Transfer Admission Requirements: Students who are transferring into ASU must meet current university admission requirements.

**Change of Major Requirements:** Current ASU students who would like to change their major to the BA in communication must have a minimum cumulative GPA of 2.00.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/communication-degree-ba/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACOMBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With more than 300 Global Education programs options available, students may engage in a unique and exciting opportunity to gain intercultural experience through international programs of study which they are able to tailor according to their experience and their unique interests and skills.

Whether in a foreign country, in the U.S. or online, students in communication develop critical teamwork and problem-solving skills, expand their knowledge of the liberal arts through lenses of different cultures, and are able to improve their language and cross-cultural skills for effective communication across populations.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/communication) for students majoring in communication.

**Career Opportunities:** Graduates often attend leading graduate schools in communication, law or business or find gainful employment in careers in the areas of:

- campaign management
- counseling
- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
- public relations
- sales

**Contact Information:**
Liberal Arts and Sciences, The College of
Hugh Downs School of Human Communication

https://humancommunication.asu.edu/
STAUF A412
communication@asu.edu
480-965-5095

## Communication, BS (LACOMBS)

**Campus:** Tempe, Online

**Program Description:** The BS program in communication focuses on how message processes create, maintain and transform identities, relationships, workplaces and communities. This degree program provides a liberal arts grounding and a social science focus. The courses and activities allow students to explore many fascinating questions, such as:

- In what ways can messages convince people to eliminate negative health behaviors?
- When, how and why do cultural differences make it difficult to communicate?
- Why are some topics difficult to discuss and consistently lead to conflict?
- Why do people differ in how committed they are to their work?
- Why do some relationships flourish while others fade away?

Through rigorous coursework and rewarding applied experiences, students gain effective communication skills that are highly sought by employers. Students learn to write and speak effectively and to convey complex ideas simply, preparing them for employment in a variety of career fields as well as for graduate study.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Communication, MA
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students who have previously attended ASU and are returning to the university with transfer credit must have a minimum ASU cumulative GPA of 2.00 in order to be admitted into the Hugh Downs School of Human Communication.
Transfer Admission Requirements: Students who are transferring into ASU must meet current university admission requirements.

**Change of Major Requirements:** Current ASU students who would like to change their major to communication must have a minimum cumulative

GPA of 2.00.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-communication/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACOMBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 options available, Global Education programs (https://goglobal.asu.edu/) allow students to tailor their experience to their unique interests and skill sets. Students may engage in a unique and exciting opportunity to gain intercultural experience through tailored international programs of study. Students improve language and cross-cultural skills for effective communication, develop critical teamwork and problem-solving skills, and expand their knowledge of the liberal arts through lenses of different cultures.

Whether in a foreign country, in the U.S. or online, students in communication are able to improve their language and cross cultural skills for effective communication across populations. The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/communication) for students majoring in communication.

**Career Opportunities:** Graduates often attend leading graduate schools in communication, law or business schools, or find gainful employment in careers in the areas of:

- campaign management
- counseling
- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
- public relations
- sales

**Contact Information:**
Liberal Arts and Sciences, The College of
Hugh Downs School of Human Communication
https://humancommunication.asu.edu/
STAUF A412
communication@asu.edu
480-965-5095

## Computational Mathematical Sciences, BS (LACMSBS)

**Campus:** Tempe

**Program Description:** This BS program in computational mathematical sciences is a fusion of mathematics, science and computing. Students in this program learn how to translate science and engineering problems into mathematical problems and solve them using computing algorithms. They develop strong problem-solving, analytical and programming skills as they work across diverse areas of science and mathematics.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Mathematics, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACMSBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable experience through study abroad in programs that allow students to tailor their experience to their unique interests and skill sets, and they gain hands-on experience. Whether in a foreign country, in the U.S. or online, students are able to build communication skills, are challenged to adapt and persevere, and are exposed to differences which enables them to increase their ability to work with diverse groups of people.

Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options available around the world provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment.

**Career Opportunities:** In a recent study, mathematics, computer science, applied mathematics and statistics all ranked among the top 15 most valuable college majors in terms of salary and career prospects. The computational mathematical sciences program brings all these disciplines together.

A bachelor's degree in computational mathematical sciences is one of the most versatile math degrees, offering graduates many career options. This degree positions them for careers in computer technology, business, medical research, teaching and education, engineering and more. Some pursue graduate opportunities in areas such as biophysics, economics, medicine and statistics. Diverse areas of study such as cancer modeling, weather forecasting and financial modeling all involve computational mathematical sciences.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## Culture, Technology and Environment, BA (LACTEBA)

**Campus:** Tempe

**Program Description:** The BA in culture, technology and environment is a collaborative program offered by the Humanities division in The College of Liberal Arts and Sciences. Students take a humanistic approach to address issues surrounding:

- culture: approaching equitable and diverse global citizenship through the study of culture and language
- environment: addressing climate change, biodiversity loss, pollution and environmental justice through the arts and humanities
- technology: bringing humanities thinking to the human and ethical challenges of a world shaped by technology

Courses include studies in English, film and media studies, history, philosophy, religious studies, languages and cultures. Students also complete a core of classes that provide context and grounding, as well as hands-on experience in identifying challenges and developing solutions.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** N
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LACTEBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad expands students' perspectives by exposing them to new and unique cultures, communities and people. Students can explore the English language at a deeper level through an extended lens of literature, dialects and rhetoric in one of more than 300 Global Education programs (https://goglobal.asu.edu/). Students who study abroad gain heightened cultural competency and communication and critical thinking skills, which enhance their educational experience and their resumes.

**Career Opportunities:** Potential career fields include:

- climate change or policy analysis
- documentary writing or producing
- environmental law
- journalism
- nature or science writing
- nonprofit leadership and management
- technical writing

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## Data Science, BS (LADATSCIBS)

**Campus:** Tempe, Online

**Program Description:** Modern science and technology use sophisticated mathematical and computational tools to extract patterns from large, complex and often unordered data sets. Machine learning and data mining are invaluable technologies, with applications as diverse as detecting fraudulent online credit-card transactions, understanding the dynamics of social movements, and personalizing medical treatments based on a tumor's unique genetic profile.

The BS program in data science prepares students to be critical analysts and users of data in a variety of areas such as business, research and government. This transdisciplinary program allows students to choose a focus area from a variety of fields to center their understanding of data science. With a mathematical core consisting of linear algebra, statistical inference and classification, data mining, machine learning and associated computer methods, students leave the program with a strong background in data-related skills that are useful in solving real-world issues.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry Ior MAT 265 Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/data-science-online-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LADATSCIBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in Global Educations programs (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a forward-thinking career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Glassdoor.com ranks data scientist as second in the top 50 Best Jobs in America and reports the average annual salary in 2021 for data scientists was $113,736. The McKinsey Global Institute projects a shortage of qualified workers with deep analytical skills. Graduates of the data science program possess skills related to data analysis, data prediction models and ethical uses of research data, helping them to meet the expressed needs of society.

Graduates of this program work in a variety of fields such as governmental research, education, health services, consumer behavior and business.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## Earth and Environmental Studies, BA (LAEESBA)

**Campus:** Tempe

**Program Description:** The BA program in earth and environmental studies provides a foundational understanding of the evolution of the earth system with an emphasis on the planetary context for sustainable human societies.

The degree program includes broad training in the physical sciences, especially process-oriented geosciences that focus on Earth's life-sustaining surface environment. Advanced courses focus on topics, including:

- climate change
- earth's water, energy and material resources
- impact of land-use change on human civilization
- physical, chemical and biological process interactions that define Earth's evolution

This is designed as a liberal arts program with an emphasis on basic scientific literacy, not as a preparatory degree program for graduate study in the natural sciences.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 117 - College Algebraor higher

**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAEESBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Not only is the physical environment varied across the globe, so is the human treatment of it. Global Education allows students to gain a deeper understanding of the global environment, how culture affects the environment, and how to best communicate environmental research to a diverse audience. Programs are offered in a variety of countries around the world.

**Career Opportunities:** With a breadth of knowledge and experience and the acquired skills to integrate various domains of knowledge, graduates are prepared for a variety of careers that position them to help find solutions to tomorrow's environmental and sustainability challenges. Recent environmental awareness in business and government has also resulted in new employment opportunities (e.g., environmental coordinators, directors and managers).

Sample careers include:

- environmental reporting
- education
- management
- public planning
- environmental administrative staff

Sample career settings include:

- governmental agencies
- museums
- nongovernmental organizations
- nonprofit organizations
- publishing companies
- regulatory agencies
- utilities

Graduates are also well prepared for admission to strong professional schools in fields outside the natural sciences.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-advising@asu.edu

480-965-5081

# Earth and Space Exploration, BS (LASESBS)

**Campus:** Tempe

**Program Description:** The BS program in earth and space exploration offers students an integrated education across earth sciences, planetary sciences, astrophysics and engineering. The degree program incorporates a learning community that includes science and engineering students, a yearlong collaborative capstone senior exploration project and strong quantitative preparation.

This strong foundation in geosciences, astrophysics and exploration engineering prepares students for key roles in earth resources and exploration, environmental and geologic engineering, space research and industry, and water and environmental use policy.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.

The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Astrophysics and Astronomy, MS
- Exploration Systems Design (Instrumentation), MS
- Exploration Systems Design (Sensor Networks), MS
- Exploration Systems Design (Systems Engineering), MS
- Exploration Systems Design, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in

their college journey.

**Global Opportunities:**
Global Experience: Space exploration is an international endeavor, and an international experience provides students opportunities for cross-cultural engagement and improving language and communication skills. Global Education (https://goglobal.asu.edu/) allows students to take relevant classes while living in another country. Each of the more than 300 Global Education program options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people.

**Career Opportunities:** The earth and space exploration major addresses critical future shortfalls in the national and regional training of the next generation of geoscientists and aerospace engineers.

Arizona has an expanding space industry with major new investments and is prepared to engage new technologies to monitor and understand environmental issues in Arizona, the Southwest and throughout the world.

Graduates with a Bachelor of Science in earth and space exploration have the tools, knowledge and understanding to address key problems of a global nature, whether they are working in the private or public sector.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)

**Campus:** Tempe

**Program Description:** Astrobiology studies the origins, evolution, distribution and future of life in the universe. Biogeoscience focuses on the interaction of biological, geological and chemical processes on Earth in the present, past and future. These topics are closely related because the concepts of biogeoscience inform the study of planetary habitability and the search for habitable worlds.

Therefore, the astrobiology and biogeoscience concentration in the BS program in earth and space exploration is designed to offer students a strong foundation for exploring the interaction of geological and biological processes and understanding how such interactions sustain life on Earth and how they might operate on other planets. Those with this necessary scientific background contribute to the search for life on other planets, explore the life of extreme environments here on Earth and better understand how life on Earth responds to past, current and future global changes.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers Ior higher
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Astrophysics and Astronomy, MS
Exploration Systems Design (Instrumentation), MS

Exploration Systems Design (Sensor Networks), MS
Exploration Systems Design (Systems Engineering), MS
Exploration Systems Design, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESABBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Space exploration is an international endeavor, and an international experience provides students opportunities for cross-cultural engagement and improving language and communication skills. Global Education (https://goglobal.asu.edu/) allows students to take relevant classes while living in another country. Each of the more than 300 Global Education program options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people.

**Career Opportunities:** Graduates of the astrobiology and biogeosciences program are well prepared for graduate studies in these fields. Because astrobiology is increasingly the motivation for space science exploration missions, they are also well suited for entry-level careers in space science research. The degree program also provides broad training across a range of sciences, giving students a strong background for careers in biomedical, environmental or sustainability areas.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Earth and Space Exploration (Astrophysics), BS (LASESABS)

**Campus:** Tempe

**Program Description:** The BS program in earth and space exploration with a concentration in astrophysics is designed to offer students a fundamental grounding in astronomy and astrophysics, with exposure to the related fields of geology, planetary science and engineering.

Students of the astrophysics major develop a background in theoretical modeling and observational techniques of galactic and stellar astronomy, extragalactic astronomy and cosmology. They learn to think critically about scientific problems by reducing the complexity to more tractable components.

The rigorous and quantitative coursework includes a combination of physics courses taught in the ASU School of Earth and Space Exploration and the Department of Physics. The tools of astronomical discovery are increasingly dependent on technological advances, and students are exposed to engineering principles and computer programming. Through the capstone project in the senior year, students gain valuable experience in translating science drivers into engineering solutions.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit The College's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Astrophysics and Astronomy, MS
Exploration Systems Design (Instrumentation), MS
Exploration Systems Design (Sensor Networks), MS
Exploration Systems Design (Systems Engineering), MS
Exploration Systems Design, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESABS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: Space exploration is an international endeavor, and an international experience provides students opportunities for cross-cultural engagement and improving language and communication skills. Global Education (https://goglobal.asu.edu/) allows students to take relevant classes while living in another country. Each of the more than 300 Global Education program options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people.

**Career Opportunities:** Graduates possess the skills required for a career in astrophysics, physics and related fields. They also are prepared to

pursue graduate school in astrophysics or to perform laboratory research or data-intensive analyses that enable scientific progress or inform public policy.

Career opportunities include:

- aerospace engineer
- astrobiologist
- astronomer
- computer programmer
- data analyst
- instrumentation specialist
- planetary scientist
- science policy intern
- science writer
- teacher
- telescope operator

Career settings include:

- federal government
- K-12 schools
- manufacturing
- museums
- NASA facilities
- national laboratories
- NSF facilities
- observatories
- planetariums
- publishing
- space industries
- universities and colleges

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)

**Campus:** Tempe

**Program Description:** The BS program in earth and space exploration with a concentration in exploration systems design offers students a fundamental curriculum in geology, physics and astrophysics while providing tools that enable them to design and build hardware and software to explore Earth and the universe beyond.

The program has a rigorous and quantitative grounding in the fundamentals of physics, mathematics and chemistry. Upon that foundation, students learn how to design hardware and software for scientific exploration. Coursework focuses on conceiving the requirements needed for a mission or project destined for space or extreme environments on Earth.

Each student in this program has the opportunity to learn how projects and missions are designed and planned, starting with the scientific drivers and then defining engineering specifications. All students are expected to complete a senior project that takes a desired scientific measurement and realizes the technological solution to achieve the observation.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit The College's website for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Astrophysics and Astronomy, MS
Electrical Engineering, MSE
Exploration Systems Design (Instrumentation), MS
Exploration Systems Design (Sensor Networks), MS
Exploration Systems Design (Systems Engineering), MS
Exploration Systems Design, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESESDBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Space exploration is an international endeavor, and an international experience provides students opportunities for cross-cultural engagement and improving language and communication skills. Global Education (https://goglobal.asu.edu/) allows students to take relevant classes while living in another country. Each of the more than 300 Global Education program options provide an opportunity for you to develop a valuable skill set that can give you an advantage in your career and personal enrichment. Whether in a foreign country, in the U.S. or online, Global Education programs encourage you to build communication skills, challenge you to adapt and persevere, expose you to differences across the world and increase your ability to work with diverse groups of people.

**Career Opportunities:** Career opportunities include:

- astronomer
- geoscientist
- planetary scientist
- science policy intern
- science writer
- scientific instrumentation specialist
- space systems engineer
- systems engineer

Sample career settings include:

- aerospace industry
- federal government
- manufacturing
- NASA centers
- national laboratories
- observatories
- publishers
- space industries
- universities and colleges

This program also provides suitable preparation for graduate study.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)

**Campus:** Tempe

**Program Description:** Geological science is the study of earth and other planets with an emphasis on the processes that have shaped them since the origin of the solar system. Students explore topics such as the co-evolution of life, oceans, atmosphere and the earth's climate system, and the record of that evolution encoded in rocks, soil, ice and isotopes.

The BS program in earth and space exploration with a concentration in geological sciences educates students in the fundamentals of geological sciences, providing a solid background in chemistry, mathematics and physics as well as mineralogy, structural geology, field geology and a variety of geologic subdisciplines.

Students gain a strong understanding of field methods as well as modern computing, remote sensing and instrumentation to effectively study the natural environment and earth's resources. Graduates of the program can apply their knowledge for the benefit of Arizona, the nation and society in general.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 265 - Calculus for Engineers Ior higher
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Astrophysics and Astronomy, MS
Exploration Systems Design (Instrumentation), MS
Exploration Systems Design (Sensor Networks), MS
Exploration Systems Design (Systems Engineering), MS

Exploration Systems Design, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASESGSBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs available, Global Education allows students in the geological sciences concentration to gain hands-on experience in a variety of programs all over the world.

Graduates who possess the heightened cultural competency and leadership and critical thinking skills they acquired through study abroad may stand out in a competitive field.

**Career Opportunities:** Graduates in geological sciences are prepared for employment in a variety of geoscience-related fields and for continued studies toward higher educational degrees. The geological science degree program provides broad training in the geosciences and supporting sciences, opening up diverse opportunities for employment in industry, government, education and other organizations. Geological science graduates understand how to approach diverse societal issues, such as water resources, mineral resources, geologic hazards, engineering geology and government regulations.

Sample careers include:

- environmental geologist
- geological engineer
- geologist
- government geologist
- mineral exploration geologist
- petroleum geologist
- science policy intern
- science writer
- water resources scientist

Sample career settings include:

- environmental industry
- federal, state, and local government agencies
- geotechnical industry
- museums
- petroleum industry
- publishers
- small exploration companies and large mining companies

**Contact Information:**
Liberal Arts and Sciences, The College of

School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Economics, BS (LAECNBS)

**Campus:** Tempe, Online

**Program Description:** The Department of Economics at ASU provides highest quality instruction to students, conducts cutting-edge research in economics, and provides leadership and service to its professional communities.

The BS program in economics is built on a strong core of micro- and macroeconomic theory, supplemented by mathematics, statistics and data analysis. All students customize their program by choosing topical courses to suit individual goals and interests. The flexibility of the Bachelor of Science degree offered by the College of Liberal Arts and Sciences allows students to supplement their study of economics with elective coursework offered by the college and the university to broaden their knowledge and skills and individualize their learning experience.

Students currently enrolled in the program may not pursue a concurrent degree with the BS in politics or the economy or the BS in economics, offered by the W. P. Carey School of Business, due to the high level of overlap in curriculum. If students need further information, they should speak with their academic advisor.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 210 - Brief CalculusAny math course that meets the MA designation, except MAT 142 College Mathematics.
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s

ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/economics-bs-college-liberal-arts-and-sciences/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAECNBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: The world is increasingly interconnected, and study abroad allows students to explore economics in other countries while developing in-demand professional skills like cross-cultural communication and problem-solving. Summer programs can provide experience at international financial institutions which helps students increase their understanding of economics on a global scale. Students can learn more on the Global Education (https://goglobal.asu.edu/) website.

**Career Opportunities:** Graduates possess the analytical tools and critical thinking skills that have led some to placements with top private companies and consulting firms and within government. Others have landed research assistantships with the Federal Reserve and other nonprofit research institutions.

Those choosing to continue their studies have earned admission to top master's degree and doctoral programs in the U.S. and abroad. Economics is considered one of the best majors as preparation for law school, and some graduates have gone on to the best law schools in the country.

**Contact Information:**
Liberal Arts and Sciences, The College of
Economics Program in CLAS
https://wpcarey.asu.edu/economics-degrees/undergraduate
CRTVC 412
wpcareyecn@asu.edu
480-965-3531

## Economics (Politics and the Economy), BS (LAECNPECBS)

**Campus:** Tempe

**Program Description:** The concentration in politics and the economy serves undergraduate students in the BS program in economics who wish to pursue careers in business, economic and political consulting, political science, law and government.

In addition to coursework drawn from economics, the concentration also requires coursework that highlights the impact of government policies on the economy and the conditions under which government interventions may be warranted. Students take political science courses that provide a deep understanding of political processes and institutions as well as methodologies for understanding that behavior.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation, except MAT 142 College Mathematics.
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAECNPECBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: The world is increasingly interconnected, and study abroad allows students to explore economics in other countries while developing in-demand professional skills like cross-cultural communication and problem-solving. Summer programs can provide experience at international financial institutions and help students increase their understanding of economics on a global scale.

Students can learn more on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates are well prepared for successful careers in business, economic and political consulting, law and government, whether they seek employment immediately upon graduation or they choose to pursue advanced degrees in law, business, economics or political science.

**Contact Information:**
Liberal Arts and Sciences, The College of
Economics Program in CLAS
https://wpcarey.asu.edu/economics-degrees/undergraduate
CRTVC 412
wpcareyecn@asu.edu
480-965-3531

## English, BA (LAENGBA)

**Campus:** Online

**Program Description:** The BA program in English is offered completely online.

Students supplement a core focus on critical studies and analysis with courses chosen from literature, linguistics, film and media and creative and nonfiction writing to complete a robust program of study.

This undergraduate program in English studies prepares students for an ever-expanding variety of careers or for continuing their studies in graduate and professional programs.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-english/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Define and utilize key terms and conventions of literary, linguistics, and rhetorical scholarship.
- •Analyze the formal construction of texts from diverse rhetorical and literary traditions to explain how they function.
- •Compose original texts that situate their interpretations in conversation with multiple perspectives.

**Global Opportunities:**
Global Experience: Studying abroad (https://goglobal.asu.edu/) expands students' perspectives by exposing them to new and unique cultures, communities and people. Students can explore the English language at a deeper level through an extended lens of dialects, literature and terminology in one of over 300 study abroad programs.

Students can enhance their resumes and educational experience with the heightened cultural competency, communication and critical thinking skills they acquire through study abroad.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/english) for students majoring in English.

**Career Opportunities:** Degree programs in English prepare students for a variety of careers in diverse fields. Employers seek those with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- editing
- journalism
- law
- nonprofit organizations
- professional and technical writing
- public relations
- publishing
- teaching
- web content development

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## English (Creative Writing), BA (LAENGCBA)

**Campus:** Tempe

**Program Description:** Students in the creative writing concentration of the BA program in English study and practice the art of writing poetry and fiction.

Students gain practical experience through writing workshops and internship opportunities that prepare them for an ever-expanding variety of careers in writing, publishing, editing, teaching, media and public relations. The undergraduate program also prepares students to continue their studies in graduate and professional programs.

The undergraduate program features an outstanding faculty that has published more than 80 books and has garnered national and international attention and awards.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGCBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Production of a portfolio of creative writing: original poetry or fiction, with attention to content and form, via significant revision process informed by craft lessons.
•Students will evaluate a work-in-progress in poetry or fiction and provide constructive feedback.
•Students will be able to produce literary works (poems and stories) held to have merit by class peers and professor.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) expands students' perspectives by exposing them to new and unique cultures, communities and people. Students can explore the English language at a deeper level through an extended lens of dialects, literature and terminology in one of over 300 study abroad programs.

Students can enhance their resumes with the educational experience and heightened cultural competency, communication and critical thinking skills they acquire through study abroad.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/english.) for students majoring in English with a concentration in creative writing.

**Career Opportunities:** Employers in all fields are always looking for individuals with strong writing and communication skills and the ability to think critically, skills that a bachelor's degree in English with a concentration in creative writing provides. Some of the most common professions for English majors are in these fields:

- business
- editing
- journalism
- law
- medicine
- nonprofit community service
- professional writing
- public relations
- publishing
- teaching
- web content development

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## English (Linguistics), BA (LAENGNBA)

**Campus:** Tempe

**Program Description:** Students in the linguistics concentration of the BA program in English focus on the history and structure of language. Students have the opportunity to study with distinguished faculty actively engaged in scholarly research and to gain practical experience through internships that prepare them for an ever-expanding variety of careers. The program also prepares students to continue their studies in graduate

and professional programs.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Linguistics and Applied Linguistics, MA
Teaching English to Speakers of Other Languages, MTESOL

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGNBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Conceptual expertise: Graduates of this program will be able to identify foundational concepts, topics and concerns in linguistics and applied linguistics.
•Analytical expertise: Graduates of this program will be able to analyze and solve language- and communication-related problems by identifying and applying appropriate linguistic and applied linguistic tools and theory.
•Disciplinary and domain expertise: Graduates of this program will be able to extend their knowledge of the various forms and functions of language and how that relates to the major domains or subfields of linguistics and applied linguistics.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) expands students' perspectives by exposing them to new and unique cultures, communities and people. Students can explore the English language at a deeper level through an extended lens of dialects, literature and terminology in one of over 300 study abroad programs.

Students' resumes are enhanced with the educational experience and heightened cultural competency, communication and critical thinking skills they gain through study abroad.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/english) for students majoring in English with a concentration in linguistics.

**Career Opportunities:** With a degree in English, graduates' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and other communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- journalism
- law
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- web content development

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## English (Literature), BA (LAENGTBA)

**Campus:** Tempe

**Program Description:** The BA program in English literature guides students through the earliest texts and cultures in English to contemporary expressions, on paper, online, and in the world. In learning to read critically, analyze narratives and understand how stories work to define the human experience, students can consider problems and find solutions while at the same time developing written and oral communication skills.

Students have the opportunity to engage with internationally renowned faculty in exploring literature, critical theories and methods from around the world. Students choose from a broad array of courses to further explore subjects such as race and ethnicity, gender and sexuality, and literary histories and traditions.

Students gain practical experience through research, writing, and internships that prepare them for an ever-expanding variety of careers as well as for continuing their studies in graduate and professional programs.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply

(https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGTBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Analyze literary and cultural texts from a variety of critical and methodological perspectives.
- •Produce effective and well-supported arguments about literary and cultural texts written in the English language.
- •Produce critical arguments in response to other members of a discourse community about literature or other media.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) expands students' perspectives by exposing them to new and unique cultures, communities and people. Students can explore English literature at a deeper level through the places where great works were written, in one of more than 300 study abroad programs.

Students' resumes are enhanced with the educational experience and heightened cultural competency, communication and critical thinking skills they acquired through study abroad.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/english) for students majoring in English with a concentration in literature.

**Career Opportunities:** With a degree in English, graduates' career options are virtually endless. Employers in all fields are always looking for those with strong writing and other communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- journalism
- law
- medicine
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- web content development

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

# English (Secondary Education), BA (LAENGSEBA)

**Campus:** Tempe

**Program Description:** The BA program in English with a concentration in secondary education focuses on rigorous content in literature, composition, linguistics and secondary teaching pedagogy. This program provides extensive preparation for meeting the needs of all student populations, including attention to levels of academic performance and cultural and linguistic diversity.

Students finish the program with Arizona Department of Education certification for middle and high school English language arts. Both a fingerprint clearance and a background check are required in the second year of the program.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English Education, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGSEBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Analyze current and historic issues in connection to teaching English language arts in secondary schools.
- •Develop curriculum using English language arts content and pedagogical practices.
- •Develop lesson plans for English language integrating best practices for limiting common learning problems

**Global Opportunities:**
Global Experience: Students wishing to pursue a future in education must understand the diverse set of experiences, backgrounds and cultures that can shape the students in their classrooms. Students can gain firsthand experience of a wide range of cultures and communities when they enhance their English degree with a Global Education program (https://goglobal.asu.edu/). With a diverse set of students and interests, the Department of English seeks to work with all students to create an international experience that meets their individual needs and goals.

In addition to providing a once in a lifetime opportunity to build their skills in a unique environment, Global Education programs also help them stand out in the job market long after graduation.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/english) for students majoring in English with a concentration in secondary education.

**Career Opportunities:** Students graduating with a bachelor's degree in English with a concentration in secondary education have tremendous opportunities for employment. With more than one million students in a state ranked seventh in the nation in population growth, the need for certified teachers in Arizona is self-evident. Arizona State University provides more of those teachers than any other institution of higher education.

In the last 15 years, ASU graduates have had their pick of teaching jobs around the valley and around the state. After student teaching in school districts in the greater Phoenix area or within one of the 22 Native American nations in the state, graduates are often hired to teach in the same school in which they completed their internship.

New teachers continue to be in demand because the predicted rate of population growth in Arizona is still strong and the retirement rate of teachers is increasing.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## English (Writing, Rhetorics and Literacies), BA (LAENGWBA)

**Campus:** Tempe

**Program Description:** The BA program in English with a concentration in writing, rhetorics and literacies teaches students strategies for inquiry.

Students explore the ways in which communication creates knowledge and action. Students study how communication is constructed, circulated, reacted to and repurposed through time and place. Through differing tools of inquiry, students investigate the history, theories and methods of inquiry as well as pragmatic and social actions of rhetoric, writing and literacies.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

English, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAENGWBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Apply available theories and/or methods given the demands of the rhetorical situation at hand or the problem to be investigated.
- Identify and analyze the historic, cultural, and political contexts of rhetorical situations.
- Compose arguments that respond to context and can be circulated, reacted to, and repurposed by audiences for sharing in and across various professional, social, and personal contexts.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) expands students' perspectives by exposing them to new and unique cultures, communities and people. Students can explore the English language at a deeper level through an extended lens of literature, dialects and rhetoric.

Students who study abroad gain heightened cultural competency and communication and critical thinking skills, which enhance their educational experience and their resumes.

More than 300 study abroad programs are available. The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/english) to students majoring in English.

**Career Opportunities:** Career opportunities are vast for this concentration: in business, private companies, government, nonprofit organizations and anywhere where critical inquiry, innovative thinking, communication, decision-making, future studies and collaboration are valued and needed. This program also prepares students for further education in teaching, law and other professional programs.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## Family and Human Development, BS (LAFASBS)

**Campus:** Tempe, Online

**Program Description:** The BS degree program in family and human development focuses on contemporary issues in society and how they impact children and families.

Required courses give students the opportunity to learn about the stages of human development through the lifespan and specialize in particular stages (i.e., infancy, adolescence, aging). Students gain a deep understanding of the complicated dynamics of human relationships in families,

workplaces and communities.

Students can build on the foundational knowledge of development and relationships in the required core courses by taking elective courses that provide a specialized skill set. Students also may choose to participate in learning experiences outside of the classroom, including working in the Child Development Lab, working as a research assistant, and doing an internship. Proficiency in written communication, research methodology and data analysis are also gained in this family and human development program.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-family-and-human-development/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAFASBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad, students can explore different cultures and social dynamics while developing in-demand professional skills, including teamwork and problem-solving. Opportunities available include home stays, which allow students to make connections with families in other countries. Students can stay on track academically while earning ASU credit over winter or spring break trips. More information is available on the Global Education website (https://goglobal.asu.edu).

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/ssfd/family-human-development) to students majoring in family and human development.

**Career Opportunities:** A bachelor's degree in family and human development prepares students for a rewarding career in:

- business
- child and family advocacy

- education
- government
- social services

This program also provides excellent preparation for future graduate work in:

- counseling
- health-related professions
- law
- social work

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
SS 144
advisor@asu.edu
480-965-6978

## Film (Film and Media Studies), BA (LAFMSBA)

**Campus:** Tempe, Online

**Program Description:** The BA in film and media studies in ASU's Department of English provides a comprehensive analysis of film, television, digital media and screenwriting. It develops students into critically informed writers, storytellers, critics and consumers of film and media.

The program teaches students skill sets such as project research, critical thinking and effective crafting of media messages which can lead to employment opportunities in a wide range of fields.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-film-and-media-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAFMSBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Students will be able to analyze the aesthetics of film, television and digital media texts.
•Students will be able to analyze the cultural significance of representations of class, gender, nation, race and sexuality in film, television and digital media.
•Students will be able to assess and analyze the business of film, television and digital media practices.

**Global Opportunities:**
Global Experience: Students gain valuable experience through study abroad, experience which enhances their resumes. With more than 300 programs available, Global Education programs (http://goglobal.asu.edu) allow students to tailor their experience to their distinctive interests and skill sets. In addition to providing a once in a lifetime opportunity, these programs also offer students the chance to hone their creative and communication skills in a unique environment.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/film-media-studies) for students majoring in film with a concentration in film and media studies.

**Career Opportunities:** Graduates with a degree in film and media studies possess skills that can be applied in a number of professional fields, including film, television, streaming, videogames, social media, marketing and communications, and in leadership roles within these areas of the media and entertainment industries:

- creative management
- criticism
- development
- marketing
- regulation
- teaching

Some graduates have gone on to pursue graduate studies at prestigious universities while others elect to begin their careers. Graduates are prepared for employment as executives, screenwriters, producers, reviewers, teachers, marketers, analysts and bloggers.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of English
https://english.asu.edu/
RBHL 170
englishadvising@asu.edu
480-965-3168

## French, BA (LAFREBA)

**Campus:** Tempe

**Program Description:** The BA program in French offers the opportunity to study the language, literature and culture of France and francophone countries.

Students gain competence in reading, writing, and oral and aural skills in the French language and take a number of related courses on topics such as:

- art
- cinema
- colonization
- government and political science
- history and civilization
- international business
- linguistics

- literature and theater
- popular culture
- religion

Students are encouraged to join the French Club to help them gain proficiency in the language. In addition, the School of International Letters and Cultures offers faculty-directed summer study abroad programs (https://silc.asu.edu/silc-studyabroad) in Lyon, France, and Quebec, Canada, and it endorses partnership and exchange programs in francophone Africa, Canada and Europe.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Language Teaching, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAFREBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: There is no better way to learn a language than to be immersed in it. Being surrounded by French language speakers offers a learning experience that cannot be acquired in a classroom. By studying abroad (https://goglobal.asu.edu/), students have the opportunity to strengthen their language skills not only by living in a francophone country, potentially with a local host family, but also by earning ASU credit toward their degree.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/SILC/french) for students majoring in French.

**Career Opportunities:** Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Career fields using French include:

- advertising, marketing and communications
- diplomatic and foreign service
- domestic and international business
- fashion
- film, television and multimedia
- foreign correspondence and journalism
- international education and study abroad
- interpreting and translation
- teaching and research
- travel and tourism

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-french
DH 131
silcadvising@asu.edu
480-965-6281

## Gender, Women and Sexuality Studies, BA (LAWSTBA)

**Campus:** Tempe, Online

**Program Description:** Grounded in intersectional feminism, students will gain valuable insight on how the systems of inequality intermingle with race, gender, sexuality, immigration, class, globalization, and other frameworks. Undergraduates gain necessary expertise in applying this knowledge to today's society.

Students develop critical thinking, problem-solving and research skills, and take part in internship opportunities, to better equip them to face today's challenges. They are offered the opportunity to challenge conventional wisdom about gender and explore new ways of viewing the world through the study of:

- culture
- economics
- film
- history
- literature
- politics
- science

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Gender, Women and Sexuality Studies, MA
Science and Technology Policy, MSTP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-women-and-gender-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAWSTBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Analyze the ways in which gender intersects with other social locations in shaping ideology, as well as social, political and cultural institutions.
- •Apply digital literacy skills to present their research in the field.
- •Demonstrate an understanding of key concepts and methodologies in the field.

**Global Opportunities:**
Global Experience: Through study abroad, students can immerse in a different culture and intern and study to learn how other cultures view women and gender and analyze issues related to gender.

The Global Education office (https://goglobal.asu.edu/) offers programs in more than 65 countries across the globe. The College of Liberal Arts and Sciences recommends specific study abroad programs (https://goglobal.asu.edu/students/major/sst/women-gender-studies) for students majoring in women and gender studies.

**Career Opportunities:** Graduates are prepared for many different career opportunities and have obtained careers in a wide array of fields, including:

- consulting
- counseling
- education
- government
- health care
- law
- nonprofits
- women's advocacy

They are also well prepared for graduate and law school and have been admitted to prestigious programs.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA

SSTadvising@asu.edu
480-965-7682

# Geographic Information Science, BS (LAGISBS)

**Campus:** Tempe, Online

**Program Description:** Students in the BS program in geographic information science begin their study by gaining a strong foundational understanding of geographic information systems, statistical analysis and computer programming. Students expand on this foundation through upper-division coursework in the major that enables the pursuit of deeper and more focused understanding of the application of geographic information science technologies to complex environmental and societal issues.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculusor MAT 117 College Algebra
**Program Math Intensity:** Moderate

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/geographic-information-science-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGISBS~null + &college=CLA) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students have the opportunity to apply their knowledge of geographic information science in a new and different setting through study abroad (https://goglobal.asu.edu/). Students can gain a deeper understanding of the complex societal and environmental issues that influence the uses of GIS.

Students' resumes are enhanced with the heightened skills in cultural competency, communication and critical thinking acquired through study abroad.

**Career Opportunities:** Graduates of geographic information science pursue opportunities in both the private and public sectors. Careers include:

- cartographers and photogrammetrists
- geographic information system technicians
- geospatial information scientists and technologists
- location analysts
- mapping technicians
- remote sensing scientists and technologists

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/undergrad/bs-geographic-information-science
COOR 5681
SGSUP.advising@asu.edu
480-965-7533

## Geography, BA (LAGCUBA)

**Campus:** Tempe, Online

**Program Description:** Combining the physical environment with human interaction, the BA program in geography emphasizes humanistic and cultural traditions.

Students pursuing undergraduate studies in geography typically concentrate on knowledge-building in understanding various cultural phenomena or in studying regions such as Africa, Asia, Australia and Oceania, Europe, Latin America and North America.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Geography, MA
Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-geography/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students deepen their understanding of cultural traditions in the human experience of place when studying abroad. Through study abroad programs, students explore the world and gain hands-on experience in diverse cultures and traditions.

With more than 300 Global Education programs (https://goglobal.asu.edu/) available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students' resumes are enhanced with the heightened skills in cultural competency, communication and critical thinking acquired through study abroad.

**Career Opportunities:** Geographers obtain careers in:

- community development
- foreign service
- geodemographic analysis
- governmental organizations
- intelligence analysis
- international trade
- nongovernmental organizations
- public sector transportation planning
- teaching
- urban and regional planning

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/undergrad/ba-geography-ba
COOR 5681
SGSUP.advising@asu.edu
480-965-7533

# Geography, BS (LAGCUBS)

**Campus:** Tempe, Online

**Program Description:** Geographers have a unique spatial perspective in understanding the world, from global to local, through the twin lenses of space and place.

Students in the BS program in geography learn about natural features of the world, including landforms, plants, water and weather, as well as the impact humans have on the world. This degree program also emphasizes social science or environmental science dynamics involving economic patterns, human populations and transportation.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Geography, MA
Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-geography/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students deepen their understanding of cultural traditions in the human experience of place when studying abroad. With more than 300 programs available, students participating in a Global Education program (https://goglobal.asu.edu/) tailor their experience to their unique interests and skill sets. Studying abroad grants students the ability to explore the world and gain hands-on experience in diverse cultures and traditions. Students enhance their resumes with the heightened skills in cultural competency, communication and critical thinking they acquire through study abroad.

**Career Opportunities:** With a focus on geospatial techniques, geographers with a Bachelor of Science degree go on to careers such as:

- computer cartographers
- environmental impact assessment analysts
- geographic information science specialists and analysts
- geomorphologists
- hydrology and water resource specialists
- location analysts for businesses
- photogrammetry specialists
- remote sensing analysts

Graduates also are presented with a host of other geospatial career options in the burgeoning fields of geographic information science, mapping and navigation systems.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/undergrad/bs-geography-bs
COOR 5681
SGSUP.advising@asu.edu
480-965-7533

## Geography (Meteorology-Climatology), BS (LAGCUMBS)

**Campus:** Tempe

**Program Description:** The meteorology-climatology concentration under the BS program in geography is designed to meet the requirements for certification as a meteorologist by the National Weather Service. It covers dynamic as well as synoptic meteorology.

Students gain a focused understanding of weather, climate and the various related methods of measurement and instrumentation. Required courses include atmospheric physics, operational weather forecasting, three semesters of calculus and two semesters of calculus-based physics.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Geography, MA
Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Transfer Admission Requirements: Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGCUMBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students deepen their understanding of cultural traditions in the human experience of place when studying abroad. With more than 300 Global Education programs (https://goglobal.asu.edu/) available around the world, students are able to tailor their experience to their unique interests and skill sets and gain hands-on experience in diverse cultures and traditions. Students' resumes are enhanced with the heightened skills in cultural competency, communication and critical thinking acquired through study abroad.

**Career Opportunities:** Students successfully completing the program have found employment with:

- airlines
- energy power companies
- government agencies
- military (meteorology and pilot training)
- National Weather Service

This program also provides suitable preparation for graduate study in either meteorology or climatology.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/undergrad/bs-geog-meteorologyclimatology
COOR 5681
SGSUP.advising@asu.edu
480-965-7533

## German, BA (LAGERBA)

**Campus:** Tempe

**Program Description:** Students in the BA program in German study the language, literature and culture of German-speaking people and gain competence in reading, writing, and oral and aural skills in the language. The program offers thought-provoking, engaging classes and experiences led by a core of faculty eager to help students succeed in achieving their goals. German classes provide opportunities for exploring how people in German-speaking Europe:

- engage with the worlds of politics, economics, social justice and humanitarianism
- have become global leaders in the fields of business, engineering and the natural sciences
- think deeply about philosophy, the influence of history and the environment
- understand the world through literature, film, the performing arts and other cultural practices

Students are encouraged to participate in the School of International Letters and Cultures faculty-directed summer abroad program in Regensburg or in a semester or academic-year exchange program available at several German universities.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes

**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Language Teaching, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAGERBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying abroad (https://goglobal.asu.edu/) is vital when learning German language and culture as there is no better way to learn a language than to be immersed in it. Students can choose from two-week to full-year programs in German-speaking countries.

Study abroad adds value to the student's degree by preparing them with valuable skills employers seek, skills that are needed for leadership in a multicultural career.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/SILC/german) for students majoring in German.

**Career Opportunities:** Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- nongovernmental organization professional
- professor of language, literature and culture
- translator or interpreter
- travel professional

Career fields in which knowledge of multiple languages and cultures is valued include:

- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hotel and resort management
- international education and study abroad administration
- international law
- lifestyle management
- military
- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-german
DH 131
silcadvising@asu.edu
480-965-6281

## Global Health, BA (LASSHBA)

**Campus:** Tempe, Online

**Program Description:** The BA in global health is a transdisciplinary degree that provides students with the skills and perspectives they need to understand and solve health challenges across the globe, while accounting for cultural, historical, biological and ecological factors.

Students learn to identify critical health issues, ask the right questions, and create the kinds of meaningful and effective solutions that top employers demand. Students participate in an approved global health study abroad program alongside faculty experts. A variety of destinations and topics are available.

Faculty in the School of Human Evolution and Social Change are recognized internationally for their work on pressing global health problems, such as health inequalities, chronic disease, family health, water and food insecurity, obesity and stigma, emergent infectious disease, resource management and evolutionary medicine.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Health, MA
Global Health, MS
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM

Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-global-health/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASSHBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying abroad (https://goglobal.asu.edu/) allows global health students to deepen their understanding of the impact of culture on public health, expand the lens through which they view people, and gain firsthand experience in their field. Students who study abroad can make an impact on communities across the globe, all while enhancing their resume with communication and cultural competency skills needed for a career.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/global-health) for students majoring in global health.

**Career Opportunities:** Training in global health provides enormous and varied career opportunities, both national and international, and demand is high and growing for graduates with these skills. The major supports the goals of those pursuing careers in health services, academic and applied research, and teaching. Potential employers include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree program also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations such as migrants, minorities and those living in poverty, and many of these jobs are directly or indirectly related to health.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

## Global Health, BS (LASSHBS)

**Campus:** Tempe, Online

**Program Description:** The BS program in global health, offered by the School of Human Evolution and Social Change, exposes students to a comprehensive understanding of the factors that lead to morbidity around the world, including ecological, political, cultural, institutional, historical, evolutionary, social and technological factors. This program seeks to equip students with the necessary skills to create effective, sustainable and culturally-appropriate approaches to prevent, assess and mitigate disease, as well as to assess critically the work of others in their professional environments. The program helps learners to cultivate professional practice through a focus on application of technical knowledge into professional settings by integrating recognized global health competencies.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit The College's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-global-health/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASSHBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying abroad (https://goglobal.asu.edu/) allows global health students to deepen their understanding of the impact of culture on public health, expand the lens through which they view people, and gain firsthand experience in their field. Students who study abroad can make an impact on communities across the globe, all while enhancing their resume with communication and cultural competency skills needed for their career.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/global-health) for students majoring in global health.

**Career Opportunities:** Nationally and internationally, the health field provides varied career opportunities, and demand is growing for graduates that exhibit the recognized interprofessional global health competencies. The program supports the goals of those pursuing careers in academic research, programming, teaching and policy. Sample employment categories include:

- data analyst
- learning specialist
- program manager
- research associate
- technical advisor

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Human Evolution & Social Change
https://shesc.asu.edu/
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

## Global Studies, BA (LASGSBA)

**Campus:** Tempe, Online

**Program Description:** The BA program in global studies examines both the causes and consequences of problems that cross national boundaries and the governance of these problems in social, cultural and economic contexts.

The degree program aims to address real-world problems and their solutions. This mission is enabled by an internationally recognized faculty with extensive global experience from a wide variety of disciplines in the social sciences and humanities. Global studies faculty members orient their work toward solving global problems by drawing on expertise in diverse disciplines.

The global studies program uses teaching, research and public policy activities to address some of the most challenging issues that include:

- economic and social development
- global cities and urbanization
- global governance of health and climate change
- justice and human rights
- religious identities, rights and conflicts
- world culture

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Security (Cybersecurity), MA
Global Security, MA
Political Science, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-global-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASGSBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) not only satisfies degree requirements within the global studies major but also helps students develop a portfolio of experience, with research and internship opportunities available in an international setting. It provides students the chance to challenge themselves to adapt and persevere under potentially difficult social and cultural circumstances. When studying abroad, students encounter many opportunities to improve their language and cultural competency skills which help them effectively communicate across populations.

The College of Liberal Arts and Sciences recommends specific study abroad programs (https://goglobal.asu.edu/students/major/spgs/global-studies) for students majoring in global studies.

**Career Opportunities:** A global studies degree prepares graduates for professional and graduate training in fields like law, business and public policy and prepares them with the broad foundational knowledge required for future decision-making in government, business and policy entities.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/

COOR 6797
spgs-ugadvising@asu.edu
480-965-8563

## History, BA (LAHISBA)

**Campus:** Tempe, Online
Only the stand-alone BA or the accelerated History BA/MA combination are available to ASU Online students at this time.
**Program Description:** Students pursuing the BA in history study the growth and development of human society from political, social, economic and cultural perspectives. Students learn to craft stories from materials other people have left behind --- constitutions, land deeds, diaries, guns and bones. They learn to make decisions about what to investigate, whom to believe, what happened first, and why things fell apart or came together.

History is a discipline that constantly adopts new techniques of analysis and new ways of gathering and presenting information. Students of history learn to use and create digital media, to perform quantitative as well as qualitative analysis, and to present their findings in compelling ways to all kinds of audiences.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
History, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-history/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHISBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Discern and articulate matters of historical cause and effect and construct a well-reasoned argument accounting for the necessary and sufficient causes of historical events.
- •Analyze and discuss historical change and continuity in American institutions and cultures.
- •Acquire information about one or more societies outside of the United States, and be able to analyze the culture and institutions of that society.
- •Analyze continuity and change in global contexts, and will understand the reasons for and consequences of dividing history into eras.
- •Explore historical evidence in order to understand and compare competing perspectives on events.

**Global Opportunities:**
Global Experience: Understanding the events that have led humanity to this point is a large aspect of being a history major. There is no better way to understand historical events than through study abroad (https://goglobal.asu.edu/), living in the nations where the events happened, among the people and surrounded by the language and culture. Students gain not only memories that last a lifetime, but also skills that can help them succeed in every aspect of their professional and personal lives.

The College of Liberal Arts and Sciences recommends the following study abroad programs (https://goglobal.asu.edu/students/major/shprs/history) for students majoring in history.

**Career Opportunities:** History majors are in demand. They know how to find and evaluate evidence, form arguments and present analysis --- skills essential to most careers including law, business, education, medicine and government.

Three out of four employers surveyed by the Association of American Colleges and Universities say they want colleges to place more emphasis on helping students develop five key learning outcomes: critical thinking, complex problem-solving, written communication, oral communication and applied knowledge in real-world settings. These learning outcomes are integral elements of an undergraduate degree in history.

History majors seek jobs in:

- business and industry
- communications
- education
- foreign service
- law enforcement
- museums
- public administration
- social services

History is an excellent foundation for graduate and professional studies in:

- business
- history
- justice studies

- law
- medicine
- public administration
- public history
- theology

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## History (Secondary Education), BA (LAHISSEBA)

**Campus:** Tempe

**Program Description:** The secondary education concentration within the BA program in history offers a flexible degree for students who are considering a career in education. The concentration program fully prepares students for teaching and certification. At the same time, all the disciplinary knowledge of a traditional history degree provided by the program prepares students for a variety of noneducation careers.

History is a discipline that constantly adopts new techniques of analysis and new ways of gathering and presenting information. Students of history learn to use and create digital media, to perform quantitative as well as qualitative analysis, and to present their findings in compelling ways to all kinds of audiences.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAHISSEBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Students will explore historical evidence in order to understand and compare competing perspectives on events.

•Students will discern and articulate matters of historical cause and effect and construct a well-reasoned argument accounting for the necessary and sufficient causes of historical events.
• Students will analyze continuity and change in global contexts and will understand the reasons for and consequences of dividing history into eras.
•Graduates of the history program, secondary education concentration, will be able to develop lessons, unit plans and assessments for secondary school history courses.

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) help students gain a global perspective and an increased appreciation for the history, philosophy and religion of different cultures.

The experience and understandings gained across borders can aid students in their future careers. Overcoming challenges through intuition and resourcefulness shows future employers the graduate can tackle any problem that comes up in the workplace.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/shprs/history) for students majoring in history.

**Career Opportunities:** The combination of courses within the secondary education concentration offers a broad education that enables its graduates to be well-prepared for careers in a variety of fields, including:

- archival research
- business and industry
- education
- law and law enforcement
- public history
- publishing
- social work

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Integrated Studies, BA (LAISTBA)

**Campus:** Tempe

**Program Description:** Developed for the academically superior student whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students who are approved for the major with the opportunity to work one-on-one with faculty mentors to create a personalized, focused and coherent course of study that draws its curriculum from more than one academic department or college.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)

Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: This program is not available to first-year students. There is an additional application for this degree program. Admission consists of completion of 32 credit hours at ASU with a GPA of at least 3.25, and three letters of recommendation from ASU faculty members. For more information, students should contact the senior director for advising and retention, Office of Student and Academic Programs, Futures Center, Armstrong Hall, Suite 112.

**Change of Major Requirements:** This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25, and whose study interests are not met by an existing major offered by Arizona State University. Students who meet these qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in The College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling 480-965-6506.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAISTBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students pursuing integrated studies are unique, innovative and passionate students with a wide range of interests. With more than 300 programs available, studying abroad (https://goglobal.asu.edu/) allows students to tailor their experience to their unique interests and skill sets. Students gain hands-on experience and heightened cultural competency, leadership and critical thinking skills in programs across the globe.

**Career Opportunities:** The professional and vocational opportunities provided by the integrated studies degree depend on the area of concentration and the particular focus of study. The integrated studies degree program shares with all other liberal arts and sciences programs in the goal of developing students' analytical abilities and communication skills. The program combines breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry.

Integrated studies graduates are prepared to enter the work force and to pursue graduate and professional studies.

**Contact Information:**
Liberal Arts and Sciences, The College of
Dean, The College of Liberal Arts and Sciences
https://thecollege.asu.edu/degree/undergrad/ba-integrated-studies-ba
ARM 112
thecollege@asu.edu
480-965-6506

## Integrated Studies, BS (LAISTBS)

**Campus:** Tempe

**Program Description:** Developed for the academically superior whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students who are approved for the major the opportunity to work one-on-one with faculty mentors to create a personalized, focused and coherent course of study that draws its curriculum from more than one academic department or college.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)

Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: This program is not available to first-year students. There is an additional application for this degree program. Admission consists of completion of 32 credit hours at ASU with a GPA of at least 3.25, and three letters of recommendation from ASU faculty members. For more information, students should contact the senior director for advising and retention, Office of Student and Academic Programs, Futures Center, Armstrong Hall, Suite 112.

**Change of Major Requirements:** This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25 (scale is 4.00 = "A"), and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet these qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in The College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling 480-965-6506.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAISTBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students pursuing integrated studies are unique, innovative and passionate students with a wide range of interests. With more than 300 programs available (https://goglobal.asu.edu/) across the globe, study abroad allows students to tailor their experience to their unique interests and skill sets and gain hands-on experience and heightened cultural competency, leadership and critical thinking skills.

**Career Opportunities:** The professional and vocational opportunities provided by the integrated studies degree depend on the area of concentration and the particular focus of study. The integrated studies degree program shares with all other liberal arts and sciences programs the goal of developing students' analytical abilities and communication skills. The program combines a breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry.

Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies.

**Contact Information:**
Liberal Arts and Sciences, The College of
Dean, The College of Liberal Arts and Sciences
https://thecollege.asu.edu/degree/undergrad/bs-integrated-studies-bs
ARM 112
thecollege@asu.edu
480-965-6506

## International Letters and Cultures, BA (LASLCBA)

**Campus:** Tempe

**Program Description:** The BA in international letters and cultures is a degree program grounded in the advanced study of at least one foreign language; it is not recommended for first-year students.

The program is more transcultural and transdisciplinary than a traditional languages and literatures degree program and is designed to encourage students to explore and challenge the traditional boundaries of cultures, texts and disciplines. Students work closely with faculty and advisors to choose a program that combines study and research in a minimum of two cultures or disciplines, or in both.

Students must meet with an advisor in the School of International Letters and Cultures to discuss this degree option.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation

**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) is the perfect transition from the classroom to real life. As students become scholars in language and multiple cultures and in how these intertwine, study abroad enables them to become immersed in the language of their choice while taking courses on literature, history, sociology and more. Students can gain a deeper insight on how common languages and cultures develop in particular areas of the world through study abroad.

**Career Opportunities:** Knowledge of multiple languages and intercultural competencies enhances any occupation and offers graduates many career opportunities. Language-intensive careers include:

- foreign correspondent and media professional
- foreign service officer
- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- translator and interpreter
- travel professional

Career fields and occupations using languages include:

- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hospitality industry
- hotel and resort management
- international education and study abroad administration
- international law
- military
- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**

Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-intrnationl-letters--cultures
DH 131
silcadvising@asu.edu
480-965-6281

## International Letters and Cultures (Arabic Studies), BA (LASLCASBA)

**Campus:** Tempe

**Program Description:** The BA program in international letters and cultures with a concentration in Arabic studies provides critical and cultural diversity in advanced Arabic language and literature that enriches ASU students' undergraduate experience.

This concentration complements existing degree programs in the School of International Letters and Cultures and enhances studies in social science disciplines such as political science and global studies as well as many humanities fields, including anthropology, history, philosophy and religious studies. The program provides a broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCASBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: As students become scholars in the language, cultures and history of the Arabic-speaking world, studying abroad is the perfect transition from the classroom to real life. Students can become culturally and linguistically immersed while gaining a deeper insight on a particular part of the world. Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career as well as personal enrichment.

Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people. When studying abroad, students gain the global perspective and knowledge that prepare them for a future-focused career.

**Career Opportunities:** The bachelor's degree in international letters and cultures with a concentration in Arabic studies provides greater insight into the vast Arab world of 22 countries and can lead to career opportunities in areas such as journalism, translation, international consultations, government (e.g., the U.N. and CIA), social work, law and health.

Graduates are prepared for a thriving job market. The degree also benefits those interested in academic research and careers in public and diplomatic service as well as in national security.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-ilc-arabic-studies
DH 131
silcadvising@asu.edu
480-965-6281

## International Letters and Cultures (Classical Civilization), BA (LASLCVBA)

**Campus:** Tempe

**Program Description:** Classics is a transdisciplinary field that includes the study of the literature, art, history and philosophy of the ancient Greeks and Romans, subjects which fueled the Renaissance and have provided an intellectual foundation for innovative and influential people ever since.

ASU's BA program in international letters and cultures with a concentration in classical civilization provides a thorough grounding in the culture and history of the ancient Greeks or Romans while allowing students to satisfy their language requirement. The program begins with two cores: an introduction to ancient Greek and Roman literature (read in English translation) and knowledge of ancient history. With that basis, students are allowed to build a program to meet their needs and interests. Among the variety of topics students pursue are:

- ancient history, war, politics and economics
- archaeology of the ancient Mediterranean world
- art and architecture of the ancient Egyptians, Greeks and Romans
- mythology and religious practices of the Greeks and Romans
- significant figures such as Plato, Aristotle and Lucretius
- use of the classics in today's film, books and other media

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply

(https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCVBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can walk the same steps as some of the most famous thinkers, historians and poets in history. Studying classical civilizations helps renew many of the ideas, languages and societies that have shaped the modern day. Ancient civilizations are brought to life when students see the connections between the past and present.

Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options available, whether in a foreign country, in the U.S. or online, provides an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Students build communication skills, are challenged to adapt and persevere, are exposed to differences across the world, and they increase their ability to work with diverse groups of people.

**Career Opportunities:** College graduates with a degree in classical civilization have the valuable experience of studying a culture that is very different from the modern world yet lies at the root of it. This gives them a perspective that serves them well in a variety of disciplines. Classical civilization graduates may consider careers in:

- business
- film, television or multimedia
- K-12 education
- law
- public service
- writing and editing (fiction, journalism, technical writing)

Additional education may be required for some career fields.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-ilc-classical-civilization
DH 131
silcadvising@asu.edu
480-965-6281

## International Letters and Cultures (Classics), BA (LASLCCBA)

**Campus:** Tempe

**Program Description:** The BA program in international letters and cultures with a concentration in classics begins with two cores: language skills in ancient Greek or Latin (or, if the student chooses, both) and knowledge of ancient history. With that basis, students build a program to meet their needs and interests. Among the variety of topics students pursue are:

- ancient history, war, politics and economics
- literary classics such as Homer, Sophocles, Virgil and Ovid
- the archaeology of the ancient Mediterranean world

- the art and architecture of the ancient Egyptians, Greeks and Romans
- the mythology and religious practices of the Greeks and Romans
- the thought of figures such as Plato, Aristotle and Lucretius
- the use of the classics in today's film, books and other media

In addition to the concentration in classics, ASU also offers a classical civilization concentration with a similar focus but different language requirements. Students should consult their advisor and choose the concentration that best meets their needs.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College MathematicsOR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASLCCBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can walk the same steps as some of the most famous thinkers, historians and poets in history. Studying classical civilizations helps renew many of the ideas, languages and societies that have shaped the modern day. Ancient civilizations are brought to life when students see the connections between the past and present.

Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options available, whether in a foreign country, in the U.S. or online, provides an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Students build communication skills, are challenged to adapt and persevere, are exposed to differences across the world, and they increase their ability to work with diverse groups of people.

**Career Opportunities:** Graduates with a degree in the classics possess skills in research and the precise use and analysis of language. The

transdisciplinary study of a culture that is very different from the modern world yet lies at the root of it also fosters the ability to view issues from many angles and to think critically about them.

As many employers are well aware, a classics graduate has the training that enables them to solve difficult puzzles, to see through obscure language and to conduct rigorous research on often ill-defined problems. These skills are prized in any field of endeavor. Classics graduates often find careers in:

- business
- Christian ministry
- film, television and multimedia
- law
- politics
- education
- writing and editing (fiction, journalism, technical writing)

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-inter-ltrscultures-classics
DH 131
silcadvising@asu.edu
480-965-6281

## Italian, BA (LAITABA)

**Campus:** Tempe

**Program Description:** The BA program in Italian offers students an opportunity to study the literature and culture of Italy while gaining a respectable measure of competence in reading, writing, oral and aural skills in the Italian language. Students broaden their knowledge by completing a number of related courses on topics such as:

- art
- film
- government
- history
- literature and culture
- religion

Faculty-directed summer programs in Italy are available for students who wish to study the language and culture while living in the country. Study abroad programs (https://silc.asu.edu/silc-studyabroad) in various cities in Italy are also available during the academic year.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)

Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAITABA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can be immersed in the Italian culture and language through a Global Education program (https://goglobal.asu.edu/). Study abroad is vital when learning the Italian language and culture. Being immersed in Italy itself adds value to the degree, and the experience prepares students to take off in an exciting, multicultural career with valuable skills employers seek, like communication and problem-solving.

Students majoring or minoring in Italian have the opportunity to participate in a Global Education program in Italy while taking courses in a variety of areas. The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/SILC/italian) for students majoring in Italian.

**Career Opportunities:** Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:

- foreign correspondent and media professional
- foreign service officer
- international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- nongovernmental organization professional
- professor of language, literature and culture
- translator and interpreter
- travel professional

Career fields and occupations in which knowledge of diverse languages and cultures is valuable include:

- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hospitality industry
- international business
- international education and study abroad administration
- international law
- public relations
- publishing
- technology industries

Additional education and certification may be required for some career paths.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-italian
DH 131
silcadvising@asu.edu
480-965-6281

## Jewish Studies, BA (LAJSTBA)

**Campus:** Tempe

**Program Description:** The BA in Jewish studies offers a transdisciplinary, cross-cultural and temporally expansive program of study. It focuses on both the study of Judaism as a religion and on Jewishness as a distinct set of cultural values, peoplehood and historical legacy.

As with other degree programs in the humanities or social sciences, a BA in Jewish studies provides an intellectual balance and compliment to the study of science and technology. By engaging the Jewish experience as both a historical and contemporary reality, the program facilitates enhanced cultural, historical and global awareness.

Students choose a thematic concentration from history and society, literature and culture, or religion and thought.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJSTBA~null + &college=CLA) to outline a list of

recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad programs can help students connect the past to the present. Judaism dates back to ancient times, and people of this heritage can be found all over the world, and students can immerse themselves in places that hold much significance for Jewish peoples, whether in Israel or elsewhere in the diaspora.

Participation in one of the more than 300 available Global Education programs (https://goglobal.asu.edu/) can provide real-world experience that complements skills and lessons learned in the classroom. Study abroad helps students gain a global perspective and an increased appreciation for the history, philosophy and religion of different cultures. In addition, the experience and understandings gained across borders can aid in a competitive job search.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/shprs/jewish-studies) for students majoring in Jewish studies.

**Career Opportunities:** Graduates who received a bachelor's degree in Jewish studies and pursue a career with one of the hundreds of U.S. companies that do business in Israel have a competitive edge because of their familiarity with Jewish culture.

Jewish studies graduates are also prepared to:

- attend rabbinical seminary in preparation for becoming a community rabbi or chaplain
- engage in world political and economic issues
- pursue advanced education in Jewish professional service fields

The degree also provides a firm foundation for those who wish to pursue advanced degrees related to their area of interest in fields that may include:

- archaeology
- creative writing
- ethics
- film and media
- history
- journalism
- justice studies
- law
- philosophy
- political science
- religious studies

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Justice Studies, BA (LAJUSBA)

**Campus:** Tempe, Online

**Program Description:** The BA program in justice studies is an innovative social science and liberal arts program that examines contemporary and historical social justice and inequality in a variety of contexts, including race, gender, sexuality, citizenship, indigeneity and other significant areas.

This program provides a broad approach to understanding justice including in the legal system as well as in wider social contexts, such as in the many social justice issues that occur across countries and cultures. The Bachelor of Arts program provides students the kind of broader perspective required in today's workforce, through a liberal arts focus and the requirement to enroll in language courses.

This program equips students with a dynamic knowledge of the world's justice systems and gives them the skills to create meaningful, real-world change.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Justice Studies, MS
Science and Technology Policy, MSTP
Social and Cultural Pedagogy, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/justice-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJUSBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Analyze a current justice issue.
- Demonstrate an understanding of key concepts and methodologies in the field.
- Apply foundations and principles in justice studies to research or community engagement.

**Global Opportunities:**
Global Experience: Human rights, violence, resource conflict and immigration are some of the issues that every country currently faces in some form or another. One of the best ways students can investigate potential solutions is by observing patterns from one culture to another, when studying abroad (https://goglobal.asu.edu/). Students who study issues of justice in another culture can bring a new lens to their own experience and become positive changemakers in the world.

The College of Liberal Arts and Sciences recommends specific study abroad programs (https://goglobal.asu.edu/students/major/sst/justice-studies) for students majoring in justice studies.

**Career Opportunities:** Students emerge from this program with knowledge and skills designed to advance social justice in a variety of careers. Program graduates work in many fields, including:

- administration
- education
- human welfare and social work
- law
- local, state and federal government
- nongovernmental organizations
- philanthropy
- public service fields
- social advocacy
- unions

Many graduates go on to law school, graduate school or other professional degree programs

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Justice Studies, BS (LAJUSBS)

**Campus:** Tempe, Online

**Program Description:** The BS program in justice studies is an innovative social science and liberal arts program examining current and historical social justice issues. Students explore social justice in the context of inequality, race, gender, citizenship, indigeneity or other major contemporary issues.

This program provides a broad approach to understanding justice within the legal system and in wider social contexts. To provide students with the analytical skills required of today's workforce, the Bachelor of Science degree program offers a social science focus and requires students to enroll in a quantitative data analysis course.

In this program, students use multiple research methodologies to understand social justice issues in diverse settings and working with a variety of people and cultures. The skills gained allow students to create real-world change.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Justice Studies, MS
Science and Technology Policy, MSTP
Social and Cultural Pedagogy, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-justice-studies/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAJUSBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Analyze a current justice issue.
- •Demonstrate an understanding of key concepts and methodologies in the field.
- •Apply foundations and principles in justice studies to research or community engagement.

**Global Opportunities:**
Global Experience: Human rights, violence, resource conflict and immigration are some of the issues that every country currently faces in some form or another. One of the best ways students can investigate potential solutions is by observing patterns from one culture to another, through study abroad (https://goglobal.asu.edu/). Students who study issues of justice in another culture can bring a new lens to their own experience and become positive changemakers in the world.

The College of Liberal Arts and Sciences recommends specific study abroad programs (https://goglobal.asu.edu/students/major/sst/justice-studies) for students majoring in justice studies.

**Career Opportunities:** Students emerge from this program with knowledge and skills that will allow them to identify and address social justice concerns as they manifest in their professional lives. Program graduates work in a variety of fields, including:

- social advocacy
- business
- economics
- education
- human welfare and social work

- international relations
- law
- nongovernmental organizations
- politics
- public service fields

Many graduates go on to law school, graduate school or other professional degree programs.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Social Transformation
https://sst.asu.edu
NVS1 310AA
SSTadvising@asu.edu
480-965-7682

## Mathematics, BA (LAMATBA)

**Campus:** Tempe

**Program Description:** Math is the science of problem-solving. Students in the BA degree program in mathematics apply the critical thinking and problem-solving skills they learn to many endeavors.

Students acquire a strong general mathematics background but retain the flexibility to pursue other areas of interest through a minor or even a second major. Combining a second area of study such as business, economics, social sciences, engineering, life sciences, or computer science creates a powerful combination.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in

their college journey.

**Global Opportunities:**
Global Experience: Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment.

Whether in a foreign country, in the U.S. or online, students are encouraged to build communication skills, challenged to adapt and persevere, exposed to differences across the world, and they increase their ability to work with diverse groups of people. Graduates who possess heightened cultural competency and leadership and critical thinking skills acquired through study abroad may stand out in a competitive job market.

**Career Opportunities:** The Bachelor of Arts program in mathematics is an fantastic option for students interested in how math impacts the world around us. It is also a top option for international students looking for a general math background.

A Bachelor of Arts degree in mathematics can be the springboard for many different careers in fields such as:

- business management
- computer engineering
- education
- financial analysis
- health care
- law
- medical science
- teaching
- technology

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## Mathematics, BS (LAMATBS)

**Campus:** Tempe

**Program Description:** The BS degree program in mathematics offers a grounding in both theoretical and applied mathematical concepts.

Classes cover a broad spectrum of advanced mathematical topics, including differential equations, modeling, numerical analysis, number theory, cryptography and real analysis.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Mathematics, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment.

Whether in a foreign country, in the U.S. or online, students are encouraged to build communication skills, challenged to adapt and persevere, exposed to differences across the world, and they increase their ability to work with diverse groups of people. Graduates who possess heightened cultural competency and leadership and critical thinking skills acquired through study abroad may stand out in a competitive job market.

**Career Opportunities:** Mathematics is foundational and can be applied to many different types of careers in many fields. It is a crucial part of engineering, life sciences, business, economics and social sciences.

Graduates with a bachelor's degree in mathematics can pursue careers in fields as diverse as computer science, finance, biotechnology, engineering, medical research and education. These are just a few of the top careers possible with a Bachelor of Science in mathematics:

- cryptographer
- data analyst
- engineer
- financial analyst
- mathematician
- operations research analyst
- statistician
- teacher

Many undergraduate math majors also pursue graduate studies in mathematics, medicine or law.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## Mathematics (Secondary Education), BS (LAMATSBS)

**Campus:** Tempe

**Program Description:** The BS program in mathematics with a concentration in secondary education provides an excellent pathway for students

interested in teaching.

By focusing on how people best learn mathematical concepts, students gain a unique understanding of how people understand the world around them. Students acquire strong content knowledge in diverse areas of math and the skills to convey these concepts to others. This degree program offers a deeper mastery of mathematics coupled with the ability to handle the challenges of a high school classroom.

Students who wish to teach at the secondary level take courses preparing them to earn certification in the state of Arizona through this program. By providing a carefully designed curriculum of courses and instructional experiences, this program helps students develop the deep understandings and connections needed for being a highly effective mathematics teacher.

Graduates emerge equipped to provide mathematics instruction that is coherent, meaningful and challenging.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATSBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students wishing to pursue a future in education must understand the diverse set of experiences, backgrounds and cultures that can shape the students in their classrooms. Students can enhance their mathematics degree with a study abroad program, in which they can boost their communication skills and gain firsthand experience in a wide range of cultures and communities. More information is available on the Global Education website (https://goglobal.asu.edu).

**Career Opportunities:** The mathematics degree with a secondary education concentration provides fantastic preparation for careers in teaching and education. In addition to the option of teaching high school mathematics, options for jobs in diverse fields include:

- business
- finance
- industry

- technology

Graduates can also choose to pursue graduate studies in mathematics or mathematics education.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## Mathematics (Statistics), BS (LAMATTBS)

**Campus:** Tempe

**Program Description:** In the BS program in mathematics with a concentration in statistics, students learn innovative statistical, mathematical and computational methods.

Using statistical methods, students discover how to generate insights that inform fact-based decision-making and research. They use cutting-edge techniques to study and understand methods of statistical inference and explore strategies for dealing with uncertainty.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Statistics, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.

Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMATTBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people.

Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Graduates who possess the heightened cultural competency and leadership and critical thinking skills acquired through study abroad may stand out in a competitive field.

**Career Opportunities:** Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. Based on factors like pay, growth and job satisfaction, statistics has been named in separate job reports as one of the best careers.

The U.S. Bureau of Labor Statistics projects a 35% growth rate in the need for employees trained in statistical analysis. For students pursuing a bachelor's degree in mathematics with a concentration in statistics, that means an exciting future of career opportunities in fields as diverse as business, finance, economics, engineering, biostatistics, technology, sports, marketing, government and more.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 216
math@asu.edu
480-965-7195

## Microbiology, BS (LAMICBS)

**Campus:** Tempe

**Program Description:** The BS degree program in microbiology places emphasis on understanding microorganisms and their interrelationships with other organisms in nature and on the influence of microorganisms in biomedicine and biotechnology.

Despite their size, microbes are fundamental to life on Earth and compose the majority of all Earth's life forms. In addition to their essential contributions to the natural world, microbes have been model experimental subjects due to their impact on human health and ease of manipulation in the laboratory. A significant portion of medical research employs microbiological and immunological methods in order to examine basic genetic and biological phenomena.

Students in the microbiology degree program study the background and current findings in the field and also acquire the critical thinking, laboratory and field skills required to succeed in a career in science.

The major provides excellent training for premedical, predental, preveterinary and prepharmacy students as well as advanced study in microbiology and immunology.

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs (https://sols.asu.edu/degree-programs/accelerated-bachelors-masters-science).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biology, MS
Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM
Microbiology, MS
Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMICBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable, resume-enhancing experience when studying abroad (https://goglobal.asu.edu/). Students studying microbiology are able to expand their knowledge of how microbes impact people and society in a variety of cultures and challenge themselves to adapt and persevere in a new and exciting culture.

With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. The College of

Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/sls/microbiology) for students majoring in microbiology.

**Career Opportunities:** The discipline of microbiology is diverse and the job opportunities for microbiologists are plentiful. Graduates with a degree in microbiology have opportunities for employment in government, hospitals, and research or industrial laboratories. Many students are also prepared for admission into graduate school and advanced study in dentistry, medicine, veterinary medicine and pharmacy.

Career examples include those shown in the following list; advanced degrees or certifications may be required for academic or clinical positions:

- government
- hospitals
- industrial laboratories (food, dairy, chemical, pharmaceutical, environmental and biotechnology companies)
- public health laboratories
- research laboratories

Many students are also suitably prepared for admission into graduate school and advanced study in these fields:

- dentistry
- medicine
- pharmacy
- veterinary medicine

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/undergrad/bs-microbiology
LSA 189
sols.advising@asu.edu
480-727-6277

## Microbiology (Medical Microbiology), BS (LAMICMBS)

**Campus:** Tempe

**Program Description:** The medical microbiology concentration serves students in the BS in microbiology degree program who aim to pursue careers in health professions, medical microbiology or biomedical research.

The curriculum aligns with the scientific competencies recommended for premedical students in a report of the American Medical Colleges and the Howard Hughes Medical Institute Committee and which are also reflected in the 2015 changes to the MCAT. Coursework includes many of the courses in the microbiology major, including chemistry, biochemistry, math and physics, with some microbiology courses replaced by cell biology, animal physiology and courses that relate to human biology and society. The coursework emphasizes core concepts, competencies and critical intellectual skills necessary for success in medical school or biomedical research. The concentration includes coursework that students need in preparation for the MCAT or medical school admission.

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs (https://sols.asu.edu/degree-programs/accelerated-bachelors-masters-science).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biology, MS
Global Management, MGM
Microbiology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMICMBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable experience when studying abroad (https://goglobal.asu.edu/). Those pursuing a medical microbiology concentration are able to expand their knowledge of how human biology is impacted by a variety of societies and cultures, and they challenge themselves to adapt and persevere in a new and exciting culture.

With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets, and gain experience that enhances their resumes. The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/sls/microbiology-medical-microbiology) for students majoring in medical microbiology.

**Career Opportunities:** Graduates of the bachelor's degree program in microbiology with a concentration in medical microbiology have knowledge of foundational concepts in biological sciences, chemistry, physics and statistics as well as the ability to understand and apply core microbiology concepts.

They have fulfilled the majority of prerequisite requirements and mastered many of the competencies valued by graduate programs in medical, dental and optometry fields and by programs which prepare students to be physician assistants or physical therapists. Additionally, they have a practical understanding of the process of science, preparing them for a career in research. They are prepared to enter research in a number of areas including cellular biology, immunology, bacteriology and virology.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/undergrad/bs-microbiology-medical-microbi
LSA 189
sols.advising@asu.edu
480-727-6277

## Molecular Biosciences and Biotechnology, BS (LAMBBBS)

**Campus:** Tempe

**Program Description:** The BS program in molecular biosciences and biotechnology encompasses many of the cutting-edge disciplines in life

sciences research. Biotechnology is an exciting, rapidly growing field with major applications in agriculture (green biotechnology, leading to improved crops or production of vaccines in plants), health care (red biotechnology, leading to better therapeutics, diagnostics and personalized medicine) and industry (white biotechnology, leading to sustainable production of energy, enzymes and chemicals).

This molecular biosciences and biotechnology degree program focuses on the interface between molecular biology and biotechnology. The interface drives major advancements in knowledge and applied research and development, such as the development of next-generation biomedical products or biofuels. Hands-on research and the capstone course with both science and business or entrepreneurial components round out this exciting program.

This program is available as an accelerated degree program. Students may visit this website to learn more about accelerated degree programs (https://sols.asu.edu/degree-programs/accelerated-bachelors-masters-science).

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciences
**Program Math Intensity:** Moderate

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Biochemistry (Medicinal Chemistry), MS
Biology, MS
Global Management, MGM
Microbiology, MS
Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAMBBBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in

their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable, resume-enhancing experience when studying abroad (https://goglobal.asu.edu/). Students majoring in molecular biosciences and biotechnology are able to expand their knowledge of how science impacts society in a variety of cultures and how technology and culture intertwine across the globe.

With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/sls/molecular-biosciences-biotechnology) for students majoring in molecular biosciences and biotechnology.

**Career Opportunities:** The molecular biosciences and biotechnology degree program provides an excellent background and training for a growing number of careers that incorporate this innovative area of the molecular life sciences. Independent research and courses with classroom plus lab components result in a solid base of knowledge and practical expertise in biotechnology and the molecular biosciences, providing many options for further education or for entering the workforce.

Many molecular biosciences and biotechnology graduates enter graduate programs in a molecular biosciences and biotechnology-related area. A number also enroll in medical school, other health-related professional programs or in other advanced programs. Graduates also have the knowledge and technical skills to enter the biotechnology workforce in an area matching their expertise and interest.

The molecular biosciences and biotechnology program has a faculty mentoring program which provides students with the opportunity to speak with faculty regarding career choices, selection and timeline of major courses and of independent research projects, and much more.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Life Sciences
https://sols.asu.edu/degree/undergrad/bs-molecular-bioscibiotechnology
LSA 189
sols.advising@asu.edu
480-727-6277

## Neuroscience, BS (LABMENBS)

**Campus:** Tempe, Online

**Program Description:** Neuroscience seeks to understand how the brain and nervous system function to control bodily function, behavior and our internal mental states. The field of neuroscience spans all levels of biological analysis with interfaces to many fields such as mathematics, psychology, philosophy, medicine, law and engineering.

The BS program in neuroscience consists of rigorous, in-depth training in the interdisciplinary foundations of neuroscience (biology, chemistry and psychology) along with breadth of training across the main areas of neuroscience, defined by distinct levels of analysis:

- behavioral neuroscience: how the brain and nervous system control behavior
- cellular and molecular neuroscience: how cells in the nervous system work
- cognitive neuroscience: how brain activity underlies thoughts and emotions
- systems neuroscience: how the billions of neurons work together

Following coursework in their specific area of specialization, students are prepared for collaborative and interdisciplinary research in neuroscience. The degree program also enables students to enter professional degree graduate programs and to integrate innovative outcomes from the research community into their practices.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  251 - Calculus for Life Sciencesor MAT 265 Calculus for Engineers I or MAT 270 Calculus with Analytic Geometry I
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Microbiology, MS
Molecular and Cellular Biology, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/neuroscience-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LABMENBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can gain valuable experience when studying abroad, experience that enhances their resumes. Students majoring concurrently in neuroscience are able to expand their communication and research skills and challenge themselves to adapt and persevere in a new and exciting culture.

With over 300 programs available (https://goglobal.asu.edu/) in a variety of cultures, study abroad allows students to tailor their experience to their unique interests and skill sets. The College of Liberal Arts and Sciences recommends specific (https://goglobal.asu.edu/students/major/sls/neuroscience) study abroad programs for students majoring concurrently in neuroscience.

**Career Opportunities:** The bachelor's degree in neuroscience prepares students for work in fields such as:

- academic research
- bioengineering
- biotechnology
- data science
- medical research
- medicine

- neuropsychology
- pharmaceutical research and development
- physical rehabilitation
- speech rehabilitation

Graduates are also competitive for entry into graduate-level programs in biomedical fields that prepare them for careers in medicine, nursing, clinical professions, technology or veterinary medicine.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/
PSY 202
psych.advisor@asu.edu
480-965-7258

## Philosophy, BA (LAPHIBA)

**Campus:** Tempe, Online
Accelerated options for this program are not currently available to ASU Online students.
**Program Description:** The BA in philosophy teaches students how to think well, which in turn lays the foundation for personal and professional success.

Philosophy students learn how to structure arguments, write precisely and clearly, and communicate their ideas in an orderly, persuasive and unambiguous way. Many philosophical texts are complicated, and philosophy courses teach students how to read, comprehend and summarize conceptually difficult material. In short, studying philosophy trains one to be a better, clearer thinker.

Coursework includes the major subfields of philosophy, such as metaphysics, epistemology and ethics, and electives that connect philosophy to other areas of inquiry, emphasizing the social relevance of philosophy.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-philosophy/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHIBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Present and defend a philosophical view using concepts, technical terminology, and methods acquired in an advanced topical seminar as well as skills in logical analysis and civil and respectful argumentation.
•Present and explain central philosophical positions from key figures in the historical development of philosophical thought, especially their metaphysical and epistemological positions.
•Evaluate how well different normative ethical theories such as consequentialism, deontology, virtue theory provide moral standards that dictate which (if any) actions are right and wrong or how well different metaethical theories such as realism, expressivism, relativism, and nihilism account for the meaning and truth of moral claims.
•Evaluate arguments for formal validity and construct formal proofs. Students will be able to capture the logical form of prose arguments.

**Global Opportunities:**
Global Experience: Students can explore a diverse range of cultures and philosophies through study abroad. Study abroad programs help students gain valuable skills such as problem solving, communication, adaptability and cultural competency, skills that enhance their resumes. With over 300 unique programs around the globe, students can tailor their study abroad experience to their interests and skill sets.

More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/). The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/shprs/philosophy) for students majoring in philosophy.

**Career Opportunities:** Philosophy alumni are well prepared for leadership roles whatever path they take, whether it be in business, law, politics, medicine or education.

The analytical, rhetorical and writing skills developed through the study of philosophy provide ideal preparation for careers in a wide range of fields, including:

- business
- education

- journalism
- law
- medicine
- public service

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)

**Campus:** Tempe, Online
Accelerated options for this program are not currently available to ASU Online students.
**Program Description:** The BA in philosophy with a concentration in morality, politics and law combines the basic analytical approaches of philosophy with an emphasis on the moral questions that arise in political theory and law. The foundations of political and legal systems are moral values, such as individual liberty, equality and justice. These are contested values, open to different understandings of their nature and implications.

Students explore the nature of morality, political theory, legal theory and the interconnections between them. Students complete philosophy courses as well as courses from disciplines related to philosophy to enrich and enliven their understanding of the intersections of morality, politics and law. This degree program is of special interest to students planning to pursue postgraduate work in law, policy or politics.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM
Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/philosophy-morality-politics-and-law-ba/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHIMPBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Present and defend a philosophical view about a specific sub-topic in philosophy using concepts, technical terminology, and methods acquired in an advanced topical seminar as well as skills in logical analysis and civil and respectful argumentation.
- •Evaluate how well different normative ethical theories such as consequentialism, deontology, virtue theory, provide moral standards that dictate which (if any) actions are right and wrong.
- •Evaluate different approaches to constitutional interpretation and their application to actual case law.
- •Apply the concept of formal validity and the rules of deductive inference to evaluate the deductive validity of prose arguments and to construct formalized proofs in symbolic logic.

**Global Opportunities:**
Global Experience: Students can explore the diverse range of cultures and philosophies. With over 300 unique programs around the globe, students can tailor their study abroad experience to their interests and skill sets. Study abroad programs help students gain valuable skills such as problem-solving, communication, adaptability and cultural competency, skills that enhance their resumes.

More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/). The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/shprs/philosophy) for students majoring in philosophy with a concentration in morality, politics and law.

**Career Opportunities:** Graduates are prepared for career opportunities in law, policymaking and analysis, politics and intelligence work. For example, graduates may find employment with the U.S. Department of State, the Central Intelligence Agency or the United States Department of Justice. The program is excellent preparation for law school.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Philosophy (Science, Nature and Mind), BA (LAPHISNMBA)

**Campus:** Tempe

**Program Description:** The BA program in philosophy with a concentration in science, nature and mind combines training in philosophy with an emphasis on those questions raised by the natural, social and cognitive sciences.

Scientific investigation of the physical world and the mind inevitably makes assumptions about what sorts of things are real, the relationship of physical systems to conscious thought, and the nature of scientific explanation. The natural and social sciences are thus connected with philosophical views in metaphysics and epistemology. In addition, more applied areas of science such as those concerned with sustainability and new technologies raise ethical and policy questions as well as questions about humans' moral relationship to the natural world.

Students enrich their understanding of the natural and social sciences through courses in philosophy as well as courses from related disciplines. This program is a great fit for students who want to complement a science major with a second major in the humanities and for students who wish to do postgraduate work in medicine, sustainability or technology.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHISNMBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Present and defend a philosophical view about a specific sub-topic in philosophy using concepts, technical terminology, and methods acquired in an advanced topical seminar as well as skills in logical analysis and civil and respectful argumentation.
- •Evaluate how well such different theories of mind as dualism, behaviorism, identity theory, functionalism and eliminativist materialism solve the mind-body problem and the problem of explaining phenomenal consciousness.
- •Evaluate different approaches to understanding the nature of scientific justification, the aims of science and how they can be achieved, and what makes some theories preferable to others.
- •Apply the concept of formal validity and the rules of deductive inference to evaluate the deductive validity of prose arguments and to construct formalized proofs in symbolic logic.

**Global Opportunities:**
Global Experience: Students can explore the diverse range of cultures and philosophies around the globe. With over 300 unique study abroad programs, students can tailor their experience to their interests and skill sets. Study abroad programs help students gain valuable skills such as problem solving, communication, adaptability and cultural competency, skills that enhance their resumes.

More information on available programs can be found on the Global Education Office website (https://goglobal.asu.edu/). The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/shprs/philosophy) for students majoring in philosophy with a concentration in science, nature and mind.

**Career Opportunities:** The analytical, writing and problem-solving skills gained through a philosophy major are highly transferrable to a very wide range of jobs, and students with a degree in philosophy have the highest median income of all humanities graduates.

Graduates of the science, nature and mind concentration are prepared for career opportunities in medical and mental health fields, climate change areas and sustainability, information and policy analysis, and scientific and nature education and writing. For example, graduates may find employment with the U.S. Environmental Protection Agency.

This program also provides excellent preparation for students interested in medical school.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Physics, BA (LAPHYBA)

**Campus:** Tempe, Online

**Program Description:** Physics is concerned with the nature, structure and interactions of matter and radiation. The BA program in physics provides a flexible and efficient option for students who are interested in a liberal arts degree that provides them a broad knowledge of physics. This degree program also is ideal for students seeking to complete two degrees, with physics as the second degree.

The program combines innovative learning methods with time-tested classroom and laboratory experiences for an education that is thorough in physics training and flexible enough to encourage interdisciplinary opportunities in areas such as chemistry, biology and materials science.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees)for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry Ior MAT 265 Calculus for Engineers
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHYBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students majoring in physics can study abroad (https://goglobal.asu.edu/) in one of over 300 programs available. A study abroad experience offers a way to supplement the ASU experience as well as the chance to build helpful, resume-boosting skills that employers seek. Students who study abroad improve their communication skills, can learn to adapt to unforeseen challenges and expand their worldview through international experiences that open them to different points of view. Students can find more information on the Global Education website.

**Career Opportunities:** Graduates with a Bachelor of Arts degree in physics may pursue such careers as:

- data analyst
- K-12 STEM teacher
- patent scientist
- lab assistant
- science writer
- technology support analyst

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Physics
https://physics.asu.edu/
PSF 470
physics.undergrad@asu.edu
480-965-3561

## Physics, BS (LAPHYBS)

**Campus:** Tempe, Online

**Program Description:** Physics is concerned with the nature, structure and interactions of matter and radiation.

The BS degree program in physics provides students a solid foundation in physical science and mathematics, which is appropriate for further graduate study in physics, other sciences or engineering programs.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry IOR MAT 265 Calculus for Engineers I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap

in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Materials Science and Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Current ASU students wishing to change their major to physics should have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A") for all critical classes they have completed.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/physics-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHYBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students gain valuable experience through study abroad (https://goglobal.asu.edu/), experience which enhances their resumes. With more than 300 programs available in a variety of countries around the world, study abroad allows students majoring in physics to tailor their experience to their unique interests and skill sets.

Graduates who possess the heightened cultural competency, leadership and critical thinking skills they acquired when studying abroad may stand out in a competitive field.

**Career Opportunities:** The broad range of applicability of the principles of physics gives the physicist great flexibility in a choice of career or further education. About half of the graduates with a bachelor's degree in physics go on to graduate school in:

- astronomy
- engineering
- medicine
- physics

Others go directly into employment in areas such as:

- business
- computer software
- education

- engineering
- materials science

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Physics
https://physics.asu.edu/
PSF 470
physics.undergrad@asu.edu
480-965-3561

## Physics (Secondary Education), BS (LAPHYSEBS)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BS program in physics with a concentration in secondary education provides rigorous training in physics and in education. Physics is the cornerstone of STEM disciplines --- science, technology, engineering and mathematics.

In addition to gaining a solid foundation in physical science and mathematics, students acquire the knowledge and skills they need to enter the secondary school teaching profession as a certified physics teacher or to attend graduate school for physics.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPHYSEBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students wishing to pursue a future in education must understand the diverse set of experiences, backgrounds and cultures that can shape the students in their classrooms. A study abroad program can enhance their physics degree by providing them with firsthand experience of various cultures and communities.

Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options provide students with the opportunity for personal enrichment and to develop a valuable skill set that can give them an advantage in their career. Whether in a foreign country, in the U.S. or online, students are encouraged to build communication skills, challenged to adapt and persevere, exposed to differences across the world, and they increase their ability to work with diverse groups of people.

**Career Opportunities:** The shortage of highly qualified physics teachers in every state is an ongoing problem. This concentration is designed to produce more and better-qualified physics teachers to meet local and national needs. Graduates are recommended by the Mary Lou Fulton Teachers College for certification by the State of Arizona.

Graduates of the secondary education concentration have the flexibility to select from jobs in diverse fields. The combination of science and education curriculum provides a range of career choices, such as:

- business
- engineering
- materials science
- secondary education

They can also choose to pursue graduate studies in:

- astronomy
- education
- engineering
- medicine
- physics

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Physics
https://physics.asu.edu/
PSF 470
physics.undergrad@asu.edu
480-965-3561

## Political Science, BA (LAPOSBA)

**Campus:** Tempe, Online

**Program Description:** The BA program in political science offers a variety of courses and opportunities to study politics and policies at the local, national and global levels. The program aims to provide students with the tools and skills they need to link theory with real-world problems and issues.

Students study how citizens interact with their governments and how governments at all levels formulate policies to serve or not serve their citizens. Students can learn about politics and explore innovative approaches to today's emerging challenges, such as those seen in U.S. elections and lobbying and the international issues of terrorism, diplomacy and empowerment.

With coursework in several areas of political science and broad exposure to ASU's liberal arts offerings, the Bachelor of Arts degree in political science produces well-rounded learners with strong research and writing skills.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Security (Cybersecurity), MA
Global Security, MA
Political Psychology, MA
Political Science, MA
Public Administration, MPA
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-political-science/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPOSBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can experience firsthand the diverse political and social powers governing communities around the globe. With over 300 Global Education programs (https://goglobal.asu.edu/) available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students majoring in political science can enhance their learning by gaining a global perspective on political theory and world affairs in countries with regimes like communism and monarchies.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/spgs/political-science) for students majoring in political science.

**Career Opportunities:** Graduates have skills useful for success in political or governmental careers, law school, graduate study, business or the nonprofit sector. Many program graduates have found positions in the following:

- foreign service organizations
- legislative staff organizations
- lobbying and advocacy groups
- local and national media organizations
- local, national and global nonprofit organizations
- multinational corporations
- national, state, and local government agencies
- political consulting
- research institutions
- the courts and judicial administration

In addition, some graduates have gone on to other top tier graduate and professional schools. These students have found a range of employment opportunities in the fields of:

- communication
- education
- foreign service

- journalism
- law
- political science
- public service

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/
COOR 6797
spgs-ugadvising@asu.edu
480-965-8563

## Political Science, BS (LAPOSBS)

**Campus:** Tempe, Online

**Program Description:** The BS program in political science is useful for students who are looking for careers that require analytical thinking and quantitative skills.

Students study how citizens interact with their governments and how governments at all levels formulate policies to serve, or not serve, their citizens. Students can apply what they learn as they explore innovative approaches to today's emerging local, national and global challenges, such as those seen in domestic elections and lobbying and the international issues of terrorism, diplomacy and empowerment.

The program offers a variety of courses and opportunities to study politics and public policy at the local, national and global levels. By providing experience with the analysis of political statistics, this degree program acquaints students with quantitative application skills.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) website for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Security (Cybersecurity), MA
Global Security, MA
Political Psychology, MA
Political Science, MA
Public Administration, MPA
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-political-science/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPOSBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can experience firsthand the diverse political and social powers governing communities around the globe. With over 300 Global Education programs (https://goglobal.asu.edu/) available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students majoring in political science can enhance their learning by gaining a global perspective on political theory and world affairs in countries with regimes like communism and monarchies.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/spgs/political-science) for students majoring in political science.

**Career Opportunities:** Graduates have skills useful for careers in public policy and other analytical positions in or related to government and politics. Many graduates of this degree program have found positions in:

- foreign service organizations
- legislative or judicial staff organizations
- lobbying and advocacy groups
- local and national media organizations
- local, national and global nonprofit organizations
- multinational corporations
- national, state and local government agencies
- political consulting
- research institutions
- survey research

In addition, some graduates have gone on to other top tier graduate and professional schools. These students have found a range of employment opportunities in the fields of:

- communication
- data science
- education
- foreign service
- journalism
- law
- political science
- public service

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://spgs.asu.edu/
COOR 6797
spgs-ugadvising@asu.edu
480-965-8563

# Politics and the Economy, BS (LAPECBS)

**Campus:** Tempe

**Program Description:** The BS program in politics and the economy prepares students for careers that require a sophisticated understanding of the relationship between politics and the economy.

This degree is a response to the growing recognition that many of the world's most pressing problems (e.g., growth and development, tax reforms and climate change) are fundamentally political and economic problems. The program combines core courses in economics and political science. Utilizing the strengths of both the ASU Department of Economics and the School of Politics and Global Studies, students graduate with strong quantitative and modeling skills and a rich understanding of political context.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation, except MAT 142 College Mathematics.
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Political Science, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: All students are required to meet general university admission requirements.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPECBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can study both politics and economics from others' standpoints, while studying abroad. With over 300 programs available (https://goglobal.asu.edu/), study abroad allows students to tailor their experience to their unique interests and skill sets. It can help them explore how other countries and cultures approach their most pressing problems, giving students insights they can then apply in their future careers.

**Career Opportunities:** According to external forecasters of employment growth (U.S. Department of Labor and U.S. News & World Report), job

opportunities for graduates of the politics and the economy degree program are expected to grow as fast or faster than the average growth of the labor force. These forecasters note that the demand for graduates grounded in economics and political science is driven by the growing complexity of the global economy, the increased implementation of financial regulations in wealthier nations and the growing competitiveness of the business environment.

In terms of specific sectors, graduates are well prepared for entry positions in government at all levels (local, state and federal) and in business, economic and political consulting, and law. They are also prepared to pursue advanced degrees in law, business, economics or political science.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Politics and Global Studies
https://wpcarey.asu.edu/economics-degrees/undergraduate
CRTVC 412
wpcareyecn@asu.edu
480-965-3531

## Psychology, BA (LAPGSBA)

**Campus:** Tempe

**Program Description:** In addition to coursework, the BA in psychology offers students the opportunity to work alongside renowned faculty researching exciting new questions. Students explore the complex answers to many of the mysteries of human and animal behavior, such as how humans manage stress, emotions, conflict and how body image affects a sense of identity. Students are also able to apply their knowledge in internships that help them identify and prepare for interesting careers that involve psychology.

The study of psychology prepares students with support and answers not only for the transition into their work lives but also for other important life roles. The Department of Psychology is committed to providing continued support and answers to its graduates as they use that foundation of psychology in their own lives as they transition into jobs, careers, marriage and families. Undergraduates in the psychology major have access to a mentorship network of alumni to help mentor and provide support throughout their academic careers.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT  119 - Finite Mathematicsor MAT 170 Pre-Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Freshman admission requirements for this program are the same as the university's freshman admission requirements.
Transfer Admission Requirements: Transfer applicants must meet university transfer admission requirements.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPGSBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad allows students in the psychology program to acquire additional skills and knowledge. They are exposed to unique differences in human behavior, are able to improve language and cross-cultural skills for effective communication, and are challenged to adapt to new social and cultural circumstances.

The expanded education students acquire through a Global Education program (https://goglobal.asu.edu/) will be a valuable enhancement to their resume, helping them stand out when applying for graduate school or when pursuing their choice of careers.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/psychology) for students majoring in psychology.

**Career Opportunities:** The Bachelor of Arts in psychology provides students the opportunity to develop a broad range of highly marketable skills, including analytical skills, writing and public speaking skills as well as teamwork and leadership skills.

Graduates are prepared for many careers in a variety of settings that provide opportunities to apply concepts and principles of psychology. They also are prepared for pursuit of graduate degrees in academic or clinical psychology or in such fields as counseling, social work, family therapy and law.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/
PSY 202
psych.advisor@asu.edu
480-965-7258

## Psychology, BS (LAPGSBS)

**Campus:** Tempe

**Program Description:** In the BS program in psychology, students discover the ways in which psychology combines with other STEM disciplines in the study of how the brain and behavior impact all aspects of the human experience.

Students acquire basic knowledge of psychology theory and practice. They develop skills in research analysis, critical thinking and the ability to interact effectively with a range of diverse groups across scientific interests and disciplines.

In addition to coursework, they gain hands-on experience by working with renowned world-class faculty researching the brain, mind and behavior. Students can prepare for interesting careers using psychology by working in functioning research laboratories studying the complexities of human and animal behavior.

The Department of Psychology is known for and is committed to providing continued support and answers to its graduates as a foundation for their personal transition into careers, marriage, families and other important life roles. Undergraduates in the psychology major also have access to a mentor network of alumni to help mentor and provide support throughout their academic careers.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 119 - Finite Mathematicsor MAT 170 Pre-Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Freshman admission requirements for this program are the same as the university's freshman admission requirements.
Transfer Admission Requirements: Transfer applicants must meet university transfer admission requirements.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPGSBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad programs, students are exposed to unique differences in human behavior and the human condition, are able to improve language and cross-cultural skills for effective communication, and are challenged to adapt to new social and cultural circumstances.

The expanded education students acquire through a Global Education program (https://goglobal.asu.edu/) will be a valuable enhancement to their resume, helping them stand out when applying for graduate school or when pursuing their choice of careers

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/psychology) for students majoring in psychology.

**Career Opportunities:** Graduates are well positioned for advanced research and graduate study in psychology, the health sciences, law and other graduate level degrees and programs. The Bachelor of Science degree program also prepares graduates with the strong foundation they need for direct entry into their choice of career in any of many field options.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/
PSY 202
psych.advisor@asu.edu
480-965-7258

## Psychology (Psychological Science), BS (LAPGSPSBS)

**Campus:** Tempe

**Program Description:** In addition to coursework, the BS program in psychology with a concentration in psychological science offers students the opportunity to work alongside renowned faculty researching exciting new questions. Students study human and animal behavior, such as how humans manage stress and emotions and how body image affects a sense of identity. They also are able to apply their knowledge through internships that help prepare them for interesting careers that provide opportunities for them to use their knowledge of psychology.

The Department of Psychology expects to provide its graduates with a foundation of psychology that may be applied in their own lives, not only for their transition into jobs and careers, but also in marriages, families and other important aspects of life. Undergraduates in the psychology major also have access to a mentorship network of alumni to help mentor and provide support throughout their academic careers.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 119 - Finite MathematicsOr MAT 170 Pre-Calculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The BS in psychology with a concentration in psychological science is open to students who have:

- completed the critical courses for a BS in psychology (ENG 101, ENG 102, MAT 251 or MAT 270, PSY 101, PSY 230, PSY 290) with a "C" or better
- earned at least 45 credit hours
- earned at least an ASU cumulative GPA of 3.00

Students must maintain at least a cumulative GPA of 3.00 from admittance through graduation.

**Change of Major Requirements:** Students must have completed all critical courses for the BS in psychology (ENG 101, ENG 102, MAT 119 or MAT 170, PSY 101, PSY 230, PSY 290) with a "C" (2.00 on a 4.00 scale) or better, and have earned at least 45 earned credit hours.

Students must maintain a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") from admittance through graduation.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LAPGSPSBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: When studying abroad, students are able to enhance their understanding of human interaction, culture and behavior through the unique cultural experiences afforded by the opportunities inherent in their program.

Global Education programs (https://goglobal.asu.edu/) expose students to unique differences in the human condition elsewhere in the world and expands their knowledge. Students gain heightened cultural competency and communication and critical thinking skills while exploring a new and exciting part of the world. This valuable skill set can set them apart from other applicants when applying for graduate school or when pursuing a job after graduation.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/psychology) for students majoring in psychology.

**Career Opportunities:** A major in psychology provides a strong foundation for many different career fields. The bachelor's degree program in psychology with a concentration in psychological science prepares graduates for careers as researchers, teachers or clinicians, or for graduate study. The program is also ideal preparation for professional postgraduate programs in the fields of law and medicine.

**Contact Information:**
Liberal Arts and Sciences, The College of
Department of Psychology
https://psychology.asu.edu/
PSY 202
psych.advisor@asu.edu
480-965-7258

## Religious Studies (Religion, Culture and Public Life), BA (LARELCPBA)

**Campus:** Tempe, Online
Accelerated options for this program are not currently available to ASU Online students.
**Program Description:** The BA in religious studies with a concentration in religion, culture and public life approaches religion as a mode of human culture, as constituted in intellect, language, emotion, practice, art and everyday life.

The program focuses on the role religions play in the formation of cultural identities, traditions, norms and memories, and it examines in particular the impact religions have on culturally specified ways people reason, communicate, socialize, work, entertain, dress, eat, live and die. Special consideration is given to the influence of religion on gender roles and sexual norms; the formation of images of the body and the moral assessment of medical practices; and the reflection and reproduction of religion in film, popular culture, and conventional, digital and social media.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/religious-studies-religion-culture-and-public-life-ba/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARELCPBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Formulate a thesis about a significant issue in religious studies relating to culture and public life.
- •Address and analyze a scholarly issue in religious studies relating to culture and public life.
- •Develop a sustained, evidence-based argument about a significant issue in religious studies relating to culture and public life.

**Global Opportunities:**
Global Experience: Religion plays a major role in cultural and societal norms, identities and traditions all over the world. Through one of more than 300 unique Global Education programs (https://goglobal.asu.edu/), students witness firsthand diverse religions and cultures and gain a heightened understanding of the impact of religion on human culture. Students also enrich their cultural competency, communication and critical thinking skills, which can enhance their resumes.

The College of Liberal Arts and Sciences recommends these study abroad programs (https://goglobal.asu.edu/students/major/shprs/religious-studies) for students majoring in religious studies with a concentration in religion, culture and public life.

**Career Opportunities:** Religious studies majors seek jobs in many professional areas, including:

- chaplaincy
- diversity management
- education
- foreign service
- health care, including mental health and counseling
- journalism
- law
- nonprofit and nongovernmental organizations
- public service and public policy
- publishing

Religious studies is an excellent foundation for graduate and professional studies in:

- anthropology
- gender studies

- health care
- history
- law
- justice studies
- philosophy
- political science
- sociology
- theology

The concentration addresses present-day interests and prepares students for jobs in a variety of professions. In addition to the fields listed above, students also pursue employment in media studies, migration and international studies.

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Religious Studies (Religion, Politics and Global Affairs), BA (LARELPGBA)

**Campus:** Tempe, Online
Accelerated options for this program are not currently available to ASU Online students.
**Program Description:** The BA program in religious studies with a concentration in religion, politics and global affairs considers how the study of religion expands the understanding of political culture, communal formation, governance, nationalism, statehood and citizenship in both domestic and global contexts.

Students explore the role religion has in shaping political values, social movements, civic organizations and communal norms, with particular attention on how religion impacts issues of health, the environment, migration, peace, conflict, violence and various issues of social justice. Special consideration is given to the religious intersections of nationality, ethnicity, race, gender and other vital facets of human community and identity.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management (Creative Industries and Design Thinking), MGM
Global Management (Digital Audience Strategy), MGM
Global Management (Global Affairs), MGM
Global Management (Global Business), MGM
Global Management (Global Development and Innovation), MGM
Global Management (Global Digital Transformation), MGM
Global Management (Global Entrepreneurship), MGM
Global Management (Global Health Care Delivery), MGM
Global Management (Global Legal Studies), MGM
Global Management (Integrated Health Care), MGM
Global Management (Nonprofit Leadership and Management), MGM
Global Management (Public Administration), MGM
Global Management (Public Policy), MGM
Global Management (Sustainability Solutions), MGM
Global Management (Sustainable Tourism), MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/religious-studies-major/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARELPGBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Formulate a thesis about a significant issue in religious studies related to politics and global affairs.
- •Address and analyze a scholarly issue in religious studies related to politics and global affairs.
- •Develop a sustained, evidence-based argument about a significant issue in religious studies related to politics and global affairs.

**Global Opportunities:**
Global Experience: Religion plays a major role in societal norms, politics and traditions all over the world. Through Global Education programs (https://goglobal.asu.edu/) (there are over 300 unique programs available), students witness diverse religions and cultures firsthand and gain a heightened understanding of the impact of religion. This understanding, as well as the cultural competency, communication and critical thinking skills they also acquire, will enhance their resumes.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/shprs/religious-studies) for students majoring in religious studies with a concentration in religion, politics and global affairs.

**Career Opportunities:** Religious studies majors seek jobs in many professional areas, including:

- chaplaincy
- diversity management
- education
- foreign service
- health care, including mental health and counseling
- journalism
- law
- nonprofit and nongovernmental organizations
- public service and public policy

- publishing

Religious studies is an excellent foundation for graduate and professional studies in:

- anthropology
- gender studies
- health care
- history
- law
- justice studies
- philosophy
- political science
- sociology
- theology

**Contact Information:**
Liberal Arts and Sciences, The College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.asu.edu/
COOR 4591
SHPRSadvising@asu.edu
480-965-8364

## Russian, BA (LARUSBA)

**Campus:** Tempe

**Program Description:** The BA program in Russian offers students a unique opportunity to study the language, literature and culture of Russia. Students in the program gain intermediate to advanced reading, writing, and oral and aural Russian language skills.

The Russian language program also partners with the Melikian Center to offer a transdisciplinary baccalaureate certificate in Russian, Eurasian and East European Studies for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Students of Russian are encouraged to take advantage of an ASU exchange (https://goglobal.asu.edu/.) program in Russian language and translation by spending a semester or year in Moscow, St. Petersburg or Kazan.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LARUSBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying abroad (https://goglobal.asu.edu/) is vital when learning Russian language and culture. To be immersed among native language speakers adds value to the degree, and the experience prepares students to take off in an exciting, multicultural career with valuable skills employers seek. Students can choose from programs in many Russian-speaking countries. Programs vary in length, from summer programs to full-year programs.

The College of Liberal Arts and Sciences recommends specific study abroad programs (https://goglobal.asu.edu/students/major/SILC/russian) for students majoring in Russian.

**Career Opportunities:** With Russia as an active player in world affairs on the international stage, knowledge of Russian language and culture is a valuable asset for graduates interested in government, diplomacy and international affairs and commerce.

Knowledge of multiple languages and intercultural competencies enhance any occupation and offers graduates many career opportunities. Career fields using languages include:

- administration of nongovernmental organizations
- advertising and marketing
- diplomatic and foreign service
- domestic and international business
- foreign correspondence and journalism
- international education and study abroad administration
- international law
- interpreting and translation
- teaching and research
- travel and tourism

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-russian
DH 131
silcadvising@asu.edu
480-965-6281

## Sociology, BS (LASOCBS)

**Campus:** Tempe, Online

**Program Description:** Sociology is the study of social life, social change and the social causes and consequences of human behavior.

The BS program in sociology offers courses on contemporary social phenomena (i.e., crime, population trends and technology) as well as on the exploration of social institutions such as family, health, sports, law and the workplace. Students develop proficiency in written communication, computer skills, statistical analysis and research methodology.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-sociology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASOCBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students explore different cultures and social dynamics when studying abroad and also develop in-demand professional skills such as teamwork and problem-solving. Students can stay on track academically while earning ASU credit over winter or spring break trips. Among the opportunities available are home stays, which allow students to make connections with families in other countries. More information is available on the Global Education website (https://goglobal.asu.edu/).

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/ssfd/sociology) for students majoring in sociology.

**Career Opportunities:** An undergraduate degree in sociology provides excellent preparation for future graduate work in:

- health-related professions
- law
- social work and counseling
- sociological research

The degree also prepares undergraduates for direct entry into positions in:

- business
- government
- social service

**Contact Information:**
Liberal Arts and Sciences, The College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
SS 144
advisor@asu.edu

480-965-6978

## Spanish, BA (LASPABA)

**Campus:** Tempe, Online

**Program Description:** Students pursuing a BA degree in Spanish have the opportunity to gain reading, speaking and writing proficiency in the language. The Tempe campus program offers two study options: the Spanish linguistics track and the Spanish literature and culture track.

The linguistics track provides an in-depth understanding of the Spanish language while the literature and culture track addresses issues throughout the Spanish-speaking world as seen through the lenses of Spanish language, culture and literature.

A Bachelor of Arts in Spanish is also available for ASU Online students; it combines courses from both the linguistics track and the literature and culture track.

Students are encouraged to contact a school advisor to discuss which option is best for them. Throughout the year, through study abroad and exchange programs (https://goglobal.asu.edu/), ASU offers opportunities to study in countries in which Spanish is spoken.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Language Teaching, MA
Spanish, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-spanish/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LASPABA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Spanish is one of the most spoken languages in the world. Culture teaches people about themselves and how to prepare for the challenges of life, and foreign cultures broaden that perspective to include other peoples whose lives may be both notably different from and remarkable similarly to their own.

Global Education programs (https://goglobal.asu.edu/) provide immersion in the societies in which Spanish is spoken as well as a diverse array of individual and group experiences that effectively open those societies up to enriching personal experiences. Global Education programs enhance student's experience of the diversity of the world and the way in which knowledge of such diversity makes every person better a human being and citizen.

The College of Liberal Arts and Sciences recommends these programs (https://goglobal.asu.edu/students/major/SILC/spanish) for students majoring in Spanish.

**Career Opportunities:** Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- intelligence officer
- international business
- language teacher
- law and immigration professional
- multilingual administrative professional
- professor of language, literature and culture
- translator or interpreter
- travel professional

Career fields in which knowledge of diverse languages and cultures is valuable include:

- advertising, marketing or communications
- airline industry
- film, television or multimedia
- hospitality industry
- hotel and resort management
- intelligence
- international education and study abroad administration
- international law
- military
- ministry

Additional education or certification may be required for some career paths.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of International Letters and Cultures
https://silc.asu.edu/degree/undergrad/ba-spanish
DH 131
silcadvising@asu.edu
480-965-6281

## Technological Leadership, BS (LATECLDRBS)

**Campus:** Tempe, Online

**Program Description:** In ASU's three-year BS degree program in technological leadership, students learn complex problem-solving, technical design thinking and leadership. Coursework focuses on individual and team-based research and design, intensive internships and fundamental

skills in writing, math and coding.

The heart of this major consists of an interdisciplinary blend of classroom learning and hands-on projects, taken each semester. In inquiry classes, students use an innovative inquiry process to explore big questions both independently and in teams. Examples of these questions include "What will the moon look like after human settlement?" and "What is the future of cars?" In hands-on classes, students use technical design thinking processes with software and lab tools to create physical products, digital solutions, or service designs that address complex challenges in the world of science and technology.

In addition, immersive internships provide students with an opportunity to apply knowledge from academic courses to address research opportunities or real-world challenges and gain valuable experience in the workplace before graduation.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 251 - Calculus for Life Sciencesor MAT 265 Calculus for Engineers I or MAT 270 Calculus with Analytic Geometry I
**Program Math Intensity:** Moderate

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/inquiry-based-learning-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATECLDRBS~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates with this degree are prepared for a wide range of exciting career opportunities in many industries, such as

software and technology, energy, aerospace, finance, law and education. They are prepared to succeed in a variety of areas, such as:

- business strategy
- data and analytics
- engineering management
- general management
- operations
- product development
- product or program management
- project management
- teaching

**Contact Information:**
Liberal Arts and Sciences, The College of
Dean, The College of Liberal Arts and Sciences
https://interplanetary.asu.edu/learn
FULTN 110
TechLeadership@asu.edu
602-496-1783

## Transborder Chicana/o and Latina/o Studies, BA (LATCLBA)

**Campus:** Tempe

**Program Description:** The BA program in transborder Chicana/o and Latina/o studies challenges students to understand the intersections of identity, culture and community for Mexican-origin, Chicano and Latino populations in the United States and the U.S.-Mexico transborder region, with implications for other border communities around the world.

More specifically, students learn about the diversity of cultural, social, political, economic, historical, health-related and artistic experiences in these communities and develop tools for understanding borders and border communities worldwide. The curriculum focuses on growing the next generation of critical thinkers and changemakers who work toward improving the lives of Latinos, strengthening Latino and transborder communities, and honoring transborder knowledge. Students learn from faculty with expertise in Latino health, literature, performance, gender, media studies, immigration policy, urban planning, culture and language.

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit The College's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education website (https://goglobal.asu.edu).

**Career Opportunities:** Latinos are the country's second largest ethnic group behind white non-Hispanics. This program equips students to address the changing needs of Latinos in the U.S. by preparing graduates to become immigration lawyers, nonprofit leaders, teachers, entrepreneurs, government employees, political activists, community organizers, advocates and artists. Career paths enhanced by this degree include:

- education (administration and teaching)
- film and media
- law
- local, state and national government agencies
- local, state and national public and private health services
- public policy and administration
- social work and nonprofit organizations
- the arts

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB 165
sts.undergrad@asu.edu
480-965-5091

## Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BA program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latino populations in the United States and the U.S.-Mexico transborder region. Students explore the complexities of the Chicano and Latino experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the media and expressive culture concentration, students focus their study on the cultures of Latino communities. Students learn about the cultural diversity of Chicano, Mexican, Puerto Rican, Cuban, Dominican, Central American and other Latino populations in the United States and their contributions to the arts by analyzing:

- film and the media
- history
- literature (novels, short stories, poetry)
- performance
- visual art

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Transborder Studies, MAS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- minimum ABOR GPA of 3.75
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements: Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLMBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students have the opportunity to immerse themselves in the homelands of the Chicano and Latino cultures they are studying. Students can deepen their understanding of transborder influences and gain a deeper appreciation of transborder media and expression while enhancing their resumes with heightened cultural competency, critical thinking and communication skills. Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people.

**Career Opportunities:** The media and expressive culture concentration equips students with analytical and communication skills vital to the pursuit of graduate work and various career paths including:

- education (administration and teaching)
- film and media
- law
- local, state and national government agencies
- nonprofit organizations
- public policy and administration
- social work
- the arts

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB 165

sts.undergrad@asu.edu
480-965-5091

## Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BA degree program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latino populations in the United States and the U.S.-Mexico transborder region. Students learn to understand the complexities of the Chicano and Latino experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the transborder community development and health concentration, students focus their learning on the health inequalities and issues affecting Mexican-origin, Chicano and Latino communities. Students also develop an understanding of the relationship between the places where people live, play, work and heal and the impact they have on people's health and well-being. Overall, students are able to design, implement and evaluate community-based health programs.

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Transborder Studies, MAS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- minimum ABOR GPA of 3.75
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements: Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLTBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students have the opportunity to immerse themselves in the homelands of the Chicano and Latino cultures they are studying. Students can deepen their understanding of transborder influences and observe the ways societies in other countries approach health while acquiring the heightened cultural competency and critical thinking and communication skills that will enhance their resumes. Each of the more than 300 Global Education program (https://goglobal.asu.edu/) options provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Whether in a foreign country, in the U.S. or online, Global Education programs encourage students to build communication skills, challenge them to adapt and persevere, expose them to differences across the world and increase their ability to work with diverse groups of people.

**Career Opportunities:** The transborder community development and health concentration program equips students with theoretical and practical knowledge necessary for graduate work in professional fields such as law and medicine, as well as entry-level positions in:

- education (administration and teaching)
- local, state and national public and private health services
- nonprofit organizations
- public affairs
- public health
- public policy and administration
- social work

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB 165
sts.undergrad@asu.edu
480-965-5091

## Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)

**Campus:** Tempe
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BA degree program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latino populations in the United States and the U.S.-Mexico transborder region. Students explore the complexities of the Chicano and Latino experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the U.S. and Mexican regional immigration policy and economy concentration, students focus their studies on policies and social practices contributing to the growing political and economic influence of Latinos in the U.S. and the U.S.-Mexico region. Students develop an understanding of the role of:

- border enforcement
- demographic change
- economic integration
- globalization
- immigration policy
- international migration
- regional development

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Transborder Studies, MAS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:

- minimum ABOR GPA of 3.75
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements: Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=LATCLUBA~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students have the opportunity to immerse themselves in the homelands of the Chicano and Latino cultures they are studying, with study abroad programs across Central America, Mexico and other Latin American countries, deepening their understanding of transborder influences and gaining a new perspective on international migration. The heightened cultural competency and critical thinking and communication skills students acquire through study abroad are valued enhancements to students' resumes. More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The U.S. and Mexican regional immigration policy and economy concentration equips students with skills and knowledge necessary for graduate work in fields such as law, as well as career opportunities in:

- education (administration and teaching)
- local, state and national government agencies
- public affairs
- public policy and administration
- social work and nonprofit organizations

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB 165
sts.undergrad@asu.edu
480-965-5091

# Urban Planning, BSP (ARPUPBSP)

**Campus:** Tempe, Online

**Program Description:** The urban planning program introduces students to issues faced by urban areas and the tools necessary to address them. Urban planners guide communities in making wise decisions about their use of land and resources.

The BSP program in urban planning provides students with expertise in both the analysis and the synthesis of the physical, social, political and economic issues that shape urban and regional development. Planning encompasses:

- computer and research methods
- environmental impact assessment
- geographic information systems
- housing
- landscape architecture and urban design
- planning and zoning law
- public policy formulation and administration
- transportation
- urban and development economics
- utilities

Students take courses that include:

- comprehensive planning
- computer and analytical methods
- planning law
- public policy formulation and administration
- site planning
- socioeconomic and environmental analyses
- urban design

In addition to the guidelines in the Concurrent Program Options section below, students interested in pursuing concurrent or second baccalaureate degrees in The College of Liberal Arts and Sciences are advised to visit the college's website (https://thecollege.asu.edu/concurrent-and-second-baccalaureate-degrees) for more information and requirements.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Urban and Environmental Planning, MUEP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-urban-planning/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ARPUPBSP~null + &college=CLA) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad (https://goglobal.asu.edu) programs, students of urban planning can gain an understanding of how communities around the world have developed urban areas, and look at urban issues from a global perspective. The valuable experience students obtain through study abroad enhances their resumes, and they will be ready to use their acquired insights to help communities at home and around the world.

Study abroad programs are available in over 300 programs in more than 65 countries.

**Career Opportunities:** Graduates of urban planning pursue career opportunities with private planning firms and governmental planning agencies, mainly at the city level, but also with county, state and federal entities. Some planners elect to pursue graduate degrees to develop specialty skills and enhance their opportunities for career advancement.

The urban planning degree, especially when combined with a focus on geographic information science, gives graduates an advantage in careers that combine urban planning with GIS and in other jobs dealing with urban issues, including:

- comprehensive and long-range planning
- economic development planning
- housing issues
- planning law
- public participation in the planning process
- socioeconomic and environmental analyses
- sustainable planning
- transportation

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Liberal Arts and Sciences, The College of
School of Geographical Sciences and Urban Planning
https://sgsup.asu.edu/degree/undergrad/bsp-urban-planning
COOR 5681
SGSUP.advising@asu.edu
480-965-7533

# Nursing and Health Innovation, Edson College of

## Applied Science (Health Entrepreneurship and Innovation), BAS (NUHCIBAS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:** The BAS program with a concentration in health entrepreneurship and innovation is designed for students with an AAS degree who want to lead transformative change in health through the creation of new products, processes and systems.

Students have the opportunity to examine current evidence-based practice and health care policy through a lens of innovation using an integrated systems perspective, and they hone the skills necessary to be a leader of innovation in a health care context.

Students with health-related backgrounds who would like to learn more about innovation and leadership within health care organizations may be interested in the health entrepreneurship and innovation concentration. Students with an Associate of Applied Science degree in business or a related field may also have interest if they have employment experience in the health industry.

**STEM-OPT for International Students on F-1 Visas:**

This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course with the MA general studies designation will satisfy the math requirement.
**Program Math Intensity:** General

**Concurrent Program Options:**

Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aging, MS
Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students must have an Associate of Applied Science from a regionally accredited institution to be eligible for admission to Bachelor of Applied Science programs at Arizona State University.

**Change of Major Requirements:** Students with an Associate of Applied Science degree in health, business or a related field are eligible to change their ASU major to this applied science program in health entrepreneurship and innovation.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**

ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program’s ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/health-innovation-bas/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCIBAS~null + &college=CNU) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students learn to thrive in a global environment through the rich educational and interpersonal experiences inherent in study abroad. A resume enhanced by the valuable study abroad experience will impress prospective employers and it will also help the student stand out should they decide to pursue advanced study.

With more than 300 Global Education program opportunities (https://goglobal.asu.edu/) available, students are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online, students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network.

**Career Opportunities:** Primary career opportunities include health care administrators and health care managers as well as:

- entrepreneurs
- health architects
- health care administrators
- health care strategists, advisors, project managers and administrators
- health innovation consultants
- health product and service managers
- health system designers
- intrapreneurs (managers responsible for promoting innovative product development and marketing)
- public relations experts in health

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/bas/applied-science-health-entrepreneurship-and-innovation
MERCC 250
asu.hci@asu.edu
602-496-0937

## Community Health, BS (NUCHLTBS)

**Campus:** Downtown Phoenix, West, ASU at Lake Havasu, Online

**Program Description:** Modern health care extends beyond the hospital and into local neighborhoods. Whether it means ensuring everyone has access to nutritious and fresh foods or providing vulnerable populations with preventative checkups, health care is now a community matter.

The BS in community health develops leaders who are dedicated to addressing health challenges at their source and creating partnerships with both public and private organizations to leverage resources. By creating a community-wide response to these challenges, graduates can better advocate for patients and provide education opportunities for people of all backgrounds.

Students with an interest in community change find this degree prepares them to be informed health activists, organizers, planners and well-rounded members of the local, regional and national community.

Key program areas of emphasis:

- advocacy for diverse individuals, families and communities
- providing health education, health promotion and care coordination
- providing understanding of environmental concerns and their impact on health
- understanding components of a healthy, sustainable community

Graduates of this program provide health education, health promotion, care coordination, disease management, health care navigation and advocacy services for individuals, families and communities.

This degree program has the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aging, MS
Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-community-health/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUCHLTBS~null + &college=CNU) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad allows community health students to learn how to address the health needs of diverse populations. By immersing themselves in a culture outside of the United States, students can learn about global health trends as well as how people in another country have advocated for positive change in the health care systems of their communities. Students can find more information on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates may obtain employment as:

- community health managers
- community health outreach specialists
- health care navigators
- health promotion evaluators
- health services administrators

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation

https://nursingandhealth.asu.edu/programs/bs/community-health
MERCC 250
asu.ch@asu.edu
602-496-0937

## Health Care Compliance and Regulations, BS (NUHCCRBS)

**Campus:** Downtown Phoenix, Online

**Program Description:** The BS in health care compliance and regulations is a full undergraduate degree program dedicated to the training of compliance specialists and is the first to be accredited by the Compliance Certification Board®.
https://www.corporatecompliance.org/certification (https://www.corporatecompliance.org/certification)

Students are offered the opportunity to learn best practices from a broad array of industry experts (providers, regulatory agencies, government payers and others) within the medical industry, giving graduates options to channel their career in health care compliance.

This program is ideal for anyone interested in the ethical, regulatory and business sides of the health care industry. Program areas of emphasis include:

- industry standards for accreditation and auditing
- data privacy, security and analysis concepts
- revenue cycles, including current billing and coding procedures
- local and federal compliance policies, laws and regulations

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College AlgebraOR any math course that meets the MA designation
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/health-care-compliance-and-regulations-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCCRBS~null + &college=CNU) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: Students gain valuable experience when studying abroad, experience that will enhance their resumes. With more than 300 programs available, participating in a Global Education program (https://goglobal.asu.edu/) allows students to tailor their experience to their unique interests and skill sets. Students majoring in health care compliance and regulation can learn about other global health care systems and how they are regulated.

Graduates who possess the heightened cultural competency, leadership and critical thinking skills they acquired when studying abroad may stand out in a competitive field.

**Career Opportunities:** Graduates may be employed as:

- compliance analysts or specialists
- compliance leads or trainers for health care operations (revenue, clinical care, research, education)
- health care regulatory affairs analysts or specialists
- HIPAA privacy compliance analysts or specialists
- internal auditors, claims auditors or audit response leads
- Medicare and Medicaid compliance analysts or specialists
- special investigation unit analysts or specialists
- patient safety survey specialists
- regulatory compliance specialists

Career titles and salaries listed below are not necessarily entry level, and students should take into consideration how years of experience and geographical location may affect pay scales.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/bs/health-care-compliance-and-regulations
MERCC 250
asu.hccr@asu.edu
602-496-0937

## Health Care Coordination, BS (NUHCCOBS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:** The BS program in health care coordination prepares students to effectively coordinate resources to optimize individual health outcomes.

Through coursework, students build a thorough understanding of health care systems, community and public health, community resources, health education and health advocacy.

The program emphasizes patient advocacy and education, the resources available from community and public health services, and the role of health policy and financing in modern health care.

Graduates of the program are prepared to work with an interdisciplinary team to utilize resources, provide health education and advocate for the patient when it is needed the most.

This degree program uses the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR MAT 117 College Algebra OR any math course that meets the MA designation
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aging, MS
Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-care-coordination/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCCOBS~null + &college=CNU) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With more than 300 programs available, study abroad (https://goglobal.asu.edu/) allows students to tailor their experience to their unique interests and skill sets. Students majoring in health care coordination can expand their knowledge of how other countries allocate resources for health care.

With a resume enhanced by the heightened cultural competency, leadership and critical thinking skills they acquired from studying abroad, graduates can stand out in a competitive field.

**Career Opportunities:** Graduates of this program provide health care coordination, health advocacy and health education services to individuals and families. Program graduates may obtain employment as:

- care coordinators
- health advocates
- health care coordinators
- health care navigators
- health educators
- health resource managers
- patient advocates

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/bs/health-care-coordination
MERCC 250

asu.hcc@asu.edu
602-496-0937

## Health Entrepreneurship and Innovation, BS (NUHCIBS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:** The BS program in health entrepreneurship and innovation provides a broad background in the principles of innovation, leadership, complexity science, change theory, collaboration and evidence-based decision-making to ensure its graduates are prepared to manage implementation of innovation in the health care arena.

Through the use of evidence-based decision-making and leadership skills in interprofessional teams, students learn to tackle health care challenges using modern technology, public policy and communication. This unique program situates students at the intersection of innovation and entrepreneurship, enabling them to develop their own solutions to health challenges.

Program areas of emphasis:

- develop competence in the design, application and testing of innovative processes and products
- incorporate current trends with interprofessional teams
- lead processes of innovation and transformation

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Any math course that meets the MA designation.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aging, MS
Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/health-innovation-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use

MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUHCIBS~null + &college=CNU) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad (https://goglobal.asu.edu/), students majoring in health entrepreneurship and innovation are able to experience different health environments and deepen their understanding of innovative business and health care processes being used across the globe.

With more than 300 programs available, students can tailor their experience to their unique interests and skill sets. The valuable heightened cultural competency, leadership, and critical thinking skills they acquire will enhance their resumes and be applicable in any career choice.

**Career Opportunities:** Graduates may be employed as:

- entrepreneurs
- health architects
- health care administrator
- health care strategists, advisors, project managers and administrators
- health innovation consultant
- health product and service managers
- health system designers
- intrapreneurs --- managers responsible for promoting innovative product development and marketing
- public relations experts in health

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/bs/health-entrepreneurship-innovation
MERCC 250
asu.hci@asu.edu
602-496-0937

## Integrative Health, BS (NUIHLTBS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:** The BS program in integrative health provides students with a foundation in integrative health, a holistic approach to wellness that focuses on the mind, body and spirit. By drawing on treatments from traditional, conventional and complementary medicines, students advocate for the best care for every patient.

Through innovative and interprofessional approaches to serving and supporting diverse populations, students learn to understand and differentiate the ethics, legalities and standards of practice of integrative health and to think critically about different therapies, modalities and practitioners. Coursework and experiences include an emphasis on research and evidence-based practices and gaining an understanding of the historical and cultural foundations of the integrative health field.

This degree program has the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** First math varies depending on the track chosen.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Aging, MS
Healthcare Innovation, MHI

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-integrative-health/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUIHLTBS~null + &college=CNU) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Through study abroad (https://goglobal.asu.edu/), students majoring in integrative health are able to expand their knowledge of different therapies used in a variety of cultures and observe standards of practice across the globe.

With more than 300 programs available, students can tailor their experience to their unique interests and skill sets, and the valuable heightened cultural competency, leadership, and critical thinking skills they acquire will enhance their resumes and be applicable in any career choice.

**Career Opportunities:** Graduates are qualified for a career as a patient representative for integrative health, which involves assisting patients in obtaining services and in understanding policies, and in making health care decisions regarding integrative health.

Graduates may be employed in hospitals, doctor offices, wellness and fitness centers, as well as holistic centers. Program graduates may obtain employment as:

- health educators
- health services administrators
- health specialists
- office managers
- program managers
- project directors

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation

https://nursingandhealth.asu.edu/programs/bs/integrative-health
MERCC 250
asu.ih@asu.edu
602-496-0937

## Nursing, BSN (NUNURDBSN)

**Campus:** Downtown Phoenix, Polytechnic, West, ASU at Lake Havasu, ASU at The Gila Valley, Online
The accelerated BSN/MS option is currently only available to ASU Online students.
**Program Description:** Through a curriculum centered upon evidence-based practice, clinical reasoning, innovation, interprofessional communication and information technology, the BSN degree program prepares students to provide high-quality professional nursing care. The Bachelor of Science in Nursing may be earned through several unique pathways.

Traditional prelicensure BSN nursing program
The traditional prelicensure clinical nursing program is a full-time, upper-division nursing program for students who wish to become a registered nurse by completing a BSN. The program has three start dates per year: spring, summer and fall. It may be completed in a 16-month year-round schedule or a 24-month academic year schedule. Graduates are eligible to sit for the National Council Licensure Examination to obtain licensure as a registered nurse.

Students advance into the program in one of two ways: direct admission or the competitive advancement process. Direct admission is offered to incoming first-time freshmen who meet specific admission criteria. Students admitted directly must meet continuing eligibility criteria while attending ASU to advance into the upper-division nursing program. Directly admitted nursing students who do not meet continuing eligibility criteria, transfer students or ASU students who are changing majors may apply for advancement to the upper-division nursing program by competing for any remaining spaces.

Accelerated BSN clinical nursing program
The accelerated BSN clinical nursing program is a full-time, 12-month upper-division clinical nursing program for students who wish to become a registered nurse by completing a BSN. Selection is competitive and students start the program in the spring semester (Downtown Phoenix) or fall semester (Lake Havasu).

Students pursuing advancement to the accelerated BSN clinical nursing program complete prerequisite coursework and apply for advancement to the program. Graduates are eligible to sit for the National Council Licensure Examination to gain licensure as a registered nurse.

Online RN to BSN program
The online RN to BSN program is available to students who have earned an associate degree in nursing and have a current RN license in good standing with the state board of nursing. RN to BSN program courses are offered online in 7.5-week sessions and can be completed in 14 to 24 months. There are five starts per year: two in the fall, two in the spring and one in the summer. Assignments may include readings, discussions, papers, presentations and practical application activities completed wherever the student resides.

Transfer pathway agreements are in place with all community college nursing programs in Arizona, which provide additional benefits to students. The RN to BSN program is not available to students residing in Tennessee, Rhode Island or Washington.

Concurrent Enrollment Program
The concurrent enrollment program pathway is available to students enrolling in or already enrolled in any regionally accredited associate degree program in nursing that leads to NCLEX-RN licensure. This program is for qualified nursing students who are interested in earning their BSN while simultaneously pursuing their associate degree in nursing. Selected students enroll in the community college program and ASU CEP courses at the same time (concurrently). CEP courses taken at ASU are delivered in an online format and are offered in 15-week sessions. ASU CEP is not available to students residing in Tennessee, Rhode Island or Washington.

Eastern Arizona College Partnership
This program offers a concurrent enrollment program pathway for qualified students pursuing an AAS in nursing from any of the three EAC campuses while simultaneously earning a BSN from ASU. Courses in this program are delivered in a hybrid format on the Thatcher campus.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus

master's degree with::

Nursing, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The admission standards for majors in the Edson College of Nursing and Health Innovation are higher than minimum university standards. Effective Fall 2022, first-year admission requirements are:

- top 10% of high school graduating class OR
- an overall high school cumulative GPA of 3.80 in ASU competency courses (scale is 4.00 = "A") OR
- an overall high school cumulative GPA of 3.50 in ASU competency courses AND either a 25 ACT or 1230 SAT combined evidence-based reading and writing plus math score

Priority Application Date: November 1.

First-year applicants should select an additional major when applying for admission.

English language proficiency requirements (https://admission.asu.edu/international/undergrad/english-proficiency) for applicants whose native language is not English:

- minimum TOEFL iBT score of 76 (internet-based test, taken in a testing center) OR
- minimum IELTS overall band score of 6.5 with no band below 5.5 OR
- minimum Duolingo English test score of 100

First-year admission applications to the Bachelor of Science in Nursing program that are received after the November 1 application priority date are considered on a space-available basis. Students not offered admission directly to the nursing program are placed in the BS program in community health (https://degrees.apps.asu.edu/bachelors/major/ASU00/NUCHLTBS/community-health).

**Change of Major Requirements:** Current ASU students interested in changing to this program need to apply for the upper division clinical nursing program through an advancement application process. Space is limited, and selection is based upon GPA and score earned on the TEAS. Students should speak with an advisor in the Edson College of Nursing and Health Innovation for more information on how to change a major to this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nursing-rn-bsn/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=NUNURDBSN~null + &college=CNU) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**

Global Experience: Through study abroad, students majoring in nursing are able to expand their knowledge of how nursing is practiced across the globe.

With more than 300 programs available, students can tailor their experience to their unique interests and skill sets. The heightened cultural competency, leadership, and critical thinking skills they achieve will enhance their resumes and be applicable in any career choice.

More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Graduates deliver nursing care to individuals, families and communities. Completion of this degree program also prepares individuals for entrance into graduate study in nursing at the master's or doctoral degree levels, which is essential for teaching, administration, clinical specialization and research.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Nursing and Health Innovation, Edson College of
Edson College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/programs/bsn/nursing
MERCC 250
asu.bsn@asu.edu
602-496-0937

## Public Service and Community Solutions, Watts College of

### Applied Science (Emergency Management), BAS (PPEMGBAS)

**Campus:** Downtown Phoenix

**Program Description:** The BAS program with a concentration in emergency management is a flexible, 60 credit hour degree program.

The curriculum is designed specifically for students who have earned an AAS; students applying to this program must have completed an Associate of Applied Science from a regionally accredited institution.

The required capstone class provides experience to students through coordinated internships.

This program is not available to first-year students.
**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available to freshmen.

**Change of Major Requirements:** A current ASU student must have completed an Associate of Applied Science from a regionally accredited institution to change to this major.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPEMGBAS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Conduct analysis applying foundational principles of emergency policy and management in the context of complex systems.
- •Demonstrate understanding of the complex organizational and governance structures operating in emergency management and homeland security.
- •Synthesize their understanding of risk, organizations, and governance to create basic mitigation strategies to manage disruption.

**Global Opportunities:**
Global Experience: Understanding how different regions around the world react to disasters can lead to insight on how to bring solutions to students' own communities. When studying abroad (https://goglobal.asu.edu/), students can make meaningful connections through exchange of ideas and perspectives. Study abroad programs that focus on issues like counterterrorism, resource management, and urban infrastructure that can help students develop a more informed and well-rounded view of emergency management.

**Career Opportunities:** The degree in emergency management opens the door to a challenging career as a professional emergency manager. The advancement of technology has created the potential for more devastating disasters than ever before. As a result, there is an increasing demand for emergency managers who have a solid foundation in scientific and technical disciplines as well as management skills.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Community Advocacy and Social Policy, BA (PPCASPBA)

**Campus:** Downtown Phoenix, West, Online

**Program Description:** The BA program in community advocacy and social policy focuses on advocacy strategies through an in-depth exploration, analysis and comparison of social service systems and policies from an empowerment perspective.

The program's emphasis is on examining the needs of historically under-served individuals, families and communities. Policy analysis and social change are critical themes in developing an advocacy knowledge base as are the equally important themes of prevention and social well-being. Students complete courses in two core areas: diversity and oppressed populations and social issues and interventions.

While the Bachelor of Arts in community advocacy and social policy program is fully accredited regionally under the North Central Regional Higher Education Association, it is not accredited through the Council of Social Work Education because this degree is not a BSW degree. Therefore, this degree does not fulfill a professional licensing requirement that requires a Bachelor of Social Work degree from a CSWE-accredited Bachelor of Social Work program.

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-community-advocacy-and-social-policy/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCASPBA~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Apply social justice techniques to advance human rights, social and economic justice
- •Apply professional theories to working with diverse, oppressed and marginalized populations in both micro and macro practice
- •Identify and apply advocacy concepts and methods that support and advance social, economic and environmental justice

**Global Opportunities:**
Global Experience: Global Education programs (https://goglobal.asu.edu/) give students the chance to witness how policy, advocacy and social service systems function internationally and provide an opportunity for them to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Enhancing global awareness, communication competency and leadership skills through study abroad can better prepare a student for a career in social services.

Whether in a foreign country, in the U.S. or online, participation in one of the more than 300 Global Education programs encourages students to build communication skills that span intercultural boundaries, challenges them to adapt and persevere, exposes them to differences across the world they can't always read about in textbooks, and increases their ability to work with diverse groups of people.

**Career Opportunities:** Graduates are prepared for employment in the social services arena, such as performing basic case management tasks, staffing hotlines and warmlines, making referrals to needed services, recruiting volunteers, and developing and providing training.

In addition, advocate positions are part of many organizations and areas, such as hospitals and the behavioral health system.

This degree program also prepares students to pursue graduate education.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/bachelors-degrees/majorinfo/PPCASPBA/undergrad/false/3
UCENT 800
social.work@asu.edu
602-496-0800

## Community Development, BA (PPCOMDEVBA)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BA program in community development equips students with tools to collaborate with, empower and educate diverse community constituents by drawing on grassroots and inclusive frameworks such as sustainable development, social and environmental justice, participatory democracy, social and economic equity and social accounting.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** Yes
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Parks and Recreation Management), MS
Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS
Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCOMDEVBA~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for a future-

focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** This degree serves students seeking to enter the workforce immediately upon graduation as well as those wanting to pursue graduate study.

The U.S. Bureau of Labor Statistics indicates that employment for social and community service managers is projected to grow at a 17% rate. Graduates can be expected to pursue employment in community service-oriented careers in the public, private or civil and nonprofit sectors. These may include public relations and fundraising management, social and human service, community recreation, urban and regional planning, social purpose real estate and property development, community health, or serving as community and social service specialists.

In addition to broad employment opportunities, graduates can pursue advanced studies in areas such as nonprofit management, community resources and development, sustainable tourism, social work or public affairs, as well as in criminology and criminal justice.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Community Sports Management, BS (PPCSMBS)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Students interested in this program should apply directly to the BS in Parks, Recreation and Sport Management (https://degrees.apps.asu.edu/bachelors/major/ASU00/PPPRMBS/parks-recreation-and-sport-management).
**Program Description:** The BS program in community sports management focuses on preparing individuals with an interest in managing sport programs and activities for children, youth, adults and seniors in nonprofit, municipal and for-profit organizations.

The program emphasizes the many roles community sports plays within the community including as a mechanism to improve overall quality of life, youth development, sport tourism and community development. Both program delivery and managerial functions are targeted. Specific areas of opportunity include work with youth sports, adaptive sports, sports tourism, sport events and adult recreational sports.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Parks and Recreation Management), MS
Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS
Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCSMBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Sports can bring communities together, at home and abroad, despite language and cultural differences. Studying abroad (https://goglobal.asu.edu/) gives students an opportunity to immerse in a different culture and see firsthand the role of sport at the community level while building skills to help them in their future careers. Students who study abroad can achieve heightened cultural competency and leadership and critical thinking skills.

**Career Opportunities:** Numerous career opportunities exist within community sports. Sport programs for youth and adults are offered by city parks and recreation departments, nonprofit organizations such as the Boys and Girls Club or the YMCA, and local nonprofit and for-profit sport clubs. In addition, many communities have sport tourism organizations and sport programs offered through adaptive or therapeutic sports programs such as Special Olympics, Wounded Warriors Project and Ability 360.

Possible positions for graduates of this major include sport supervisors, programmers and managers in local park and recreation departments, nonprofit organizations (e.g., YMCA, Boys and Girls Club), as well as community relations and programming positions with professional and local sport organizations.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Community Sports Management (Events), BS (PPCSMEBS)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Students interested in this program should apply directly to the BS in Parks, Recreation and Sport Management (https://degrees.apps.asu.edu/bachelors/major/ASU00/PPPRMBS/parks-recreation-and-sport-management).
**Program Description:** The goal of the events concentration within the BS program in community sports management is to introduce students to the events field and create experts in the coordination, facilitation and planning of events in the community sports sector.

This concentration allows community sports management majors to focus their electives within the area of meetings and event planning, thus providing a solid foundation from which to develop and produce events that contribute to the economic development and social capital stemming from sports.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Parks and Recreation Management), MS
Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS
Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCSMEBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Sports can bring communities together, at home and abroad, despite language and cultural differences. Studying abroad (https://goglobal.asu.edu/) gives students an opportunity to immerse in a different culture and build skills that enable them to navigate the intricacies of planning and executing community sport events where people of different cultural backgrounds gather. Students who study abroad can achieve heightened cultural competency and leadership and critical thinking skills.

**Career Opportunities:** Students with a background in managing community sports events can find employment with:

- campus recreation departments
- health and fitness clubs
- morale welfare and recreation departments in the armed forces
- nonprofit organizations
- parks and recreation departments
- private sports organizations

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Criminology and Criminal Justice, BS (PPCRIMJBS)

**Campus:** Downtown Phoenix, West, ASU at Lake Havasu, Online

**Program Description:** The BS program in criminology and criminal justice is for students who want to understand the causes of crime, the role of criminal justice agencies in the control of crime and the consequences of crime.

Students learn sociological, psychological, biological and economic explanations for individual crime as well as differences in crime across neighborhoods, states, countries and over time. They also learn about the history, legal issues and current practices of crime control via police agencies, the court system, prisons, probation and parole.

These topics are delivered by top-ranking research faculty who offer students hands-on research opportunities and by experienced criminal justice professionals with intimate knowledge of the daily realities of crime and criminals. Students are encouraged to take advantage of internship opportunities in more than 200 agencies, study abroad programs and flexible course scheduling offered in-person, online and across multiple campuses.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to choose a 3-year path while participating in the same high-quality educational experience of a 4-year option. Students can opt to fast-track their studies after acceptance into a participating program by connecting with their academic advisor. Fast track options appear at the top of the major map.

This program also allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Crime Analysis, MS
Criminal Justice, MA
Criminology and Criminal Justice, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Transfer Admission Requirements: The MyPath2ASU® pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students completing their ASU degree at Yuma: Once the MyPath2ASU® pathway requirements are complete, students complete the remaining requirements for the ASU bachelor's degree at the community college.

Students should visit Admission Services (https://admission.asu.edu/transfer) for more information about ASU degrees offered at local community colleges.

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-criminology-and-criminal-justice/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCRIMJBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The Watts College of Public Service and Community Solutions recommends these programs (https://goglobal.asu.edu/students/major/criminology-criminal-justice) for students majoring in criminology and criminal justice.

**Career Opportunities:** Graduates of the criminology and criminal justice program find a strong job market in the public and private sectors. Employment opportunities exist in:

- bank fraud
- corrections
- courts
- domestic terrorism
- federal agencies
- homeland security
- law enforcement
- legal offices
- parole offices
- private security
- probation offices
- victim advocate agencies

Graduates also may pursue advanced degrees in law, criminology and criminal justice, and other social science disciplines.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
SCCJAdvising@asu.edu
602-496-2356

## Criminology and Criminal Justice (Policing), BS (PPCRJPOLBS)

**Campus:** Downtown Phoenix, West, Online

**Program Description:** The concentration in policing in the BS program in criminology and criminal justice provides students with knowledge on policing strategies, police management, police accountability, crime analysis and procedural criminal law.

Students completing the concentration have a better understanding of how police organizations operate and are led; effective strategies for reducing crime, building trust and increasing accountability; improving police-citizen community relations (especially in communities of color); how the Constitution protects the rights of individuals in interactions with law enforcement; and techniques for analysis and mapping of crime and other police data.

After finishing the concentration in policing, students are better prepared for future employment in law enforcement and to contribute to the future of policing in the United States.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOr MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Crime Analysis, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/criminology-policing-degree/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPCRJPOLBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

The Watts College of Public Service and Community Solutions recommends these programs (https://goglobal.asu.edu/students/major/criminology-criminal-justice) for students majoring in criminology and criminal justice.

**Career Opportunities:** Career opportunities for graduates of the policing program include work:

- at the local level in sworn positions in police departments and sheriff's offices
- at the state level in trooper and investigator roles in state agencies
- at the federal level in agent and officer positions in federal law enforcement agencies
- in crime and intelligence analysis
- in private security

Graduates of the criminology and criminal justice program with a concentration in policing can also continue to graduate studies in criminology, related fields or law school.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/

UCENT 600
SCCJadvising@asu.edu
602-496-1658

## Emergency Management and Homeland Security, BS (PPEMHSBS)

**Campus:** Downtown Phoenix, Online

**Program Description:** The School of Public Affairs offers this BS degree program in emergency management and homeland security. The program provides students with an understanding of the political and social implications of disasters, terrorism and national security. Students gain the skills and knowledge to understand and manage natural and manmade threats and manage complex projects in response. Coursework covering risk assessment, cross-boundary collaboration and rapid resource mobilization, with practical skills such as operations continuity management, oversight of emergency operations centers, and techniques and best practices for developing prevention programs provide students with the tools to analyze complex situations and provide decision-making tools important for emerging leaders in the field.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security (Biosecurity and Threat Management), MA
Emergency Management and Homeland Security (Community Resilience), MA
Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA
Emergency Management and Homeland Security (Emergency Management), MA
Emergency Management and Homeland Security (Homeland Security), MA
Emergency Management and Homeland Security, MA
Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-emergency-management-homeland-security/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPEMHSBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Understanding how different governments around the world manage disasters can provide insight in bringing solutions to students' own communities. Global Education programs (https://goglobal.asu.edu/) can help students gain real-world knowledge and experience in how governments function at varying levels in a community. Students increase their knowledge and experiential base through study abroad to bring about positive change in their own communities. Students' resumes are enhanced with the heightened cultural competency and the leadership and critical thinking skills they acquire through study abroad.

**Career Opportunities:** Graduates possess the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector at the local, state and federal levels, as well as other opportunities in the commercial and nonprofit sectors. Graduates with the preparation provided by this program will have a significant advantage in the coming hiring boom within the field in response to the upcoming wave of retiring baby boomers in the public sector and increasing demand for public services, especially at the federal level.

For those who already possess relevant knowledge and experience, the program provides complementary knowledge valuable for promotion in the field.

Graduates also may choose to further their education in graduate programs in emergency management, public policy, law or public administration.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Nonprofit Leadership and Management, BS (PPNLMBS)

**Campus:** Downtown Phoenix

**Program Description:** Through the BS degree program in nonprofit leadership and management, students learn about the nonprofit sector through curriculum instruction and field experience. The required internship component of the program leads students to professional opportunities within the nonprofit sector. Within the undergraduate degree requirements, students also may choose to pursue the National Certified Nonprofit Professional credential through ASU's affiliation with the Nonprofit Leadership Alliance. https://www.nonprofitleadershipalliance.org/credential/ (https://www.nonprofitleadershipalliance.org/credential/)

This program is accredited by the Nonprofit Academic Centers Council.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Nonprofits and NGOs), MS
Community Resources and Development, MS
Nonprofit Leadership and Management, MNLM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPNLMBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Incorporate multiple perspectives when proposing creative solutions to complex NLM issues.
•Demonstrate proficiency in written communications with diverse audiences (e.g. clients, interdisciplinary team members, donors, community members).
•Integrate knowledge from diverse disciplines to develop comprehensive strategies that address the complex challenges faced by nonprofit organizations.

**Global Opportunities:**
Global Experience: Studying abroad (https://goglobal.asu.edu/) can provide students with hands-on experience in nonprofit leadership through a global lens. Students gain skills to be used in their future careers through internships in nonprofits around the world. Students have the opportunity to intern abroad during summer break or during a semester while taking courses in locations such as South America and Asia.

**Career Opportunities:** Prominent nonprofits value this program's tradition of excellence and actively seek to hire its graduates.

The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public, business and commerce sectors. With more than 1.6 million organizations in the U.S., the sector employs more people than the finance, insurance and real estate industries combined.

Depending on their interests, graduates seek work in diverse settings that include a wide variety of missions, including arts and culture, environmental, health and youth development. Some graduates find employment with local, grassroots, direct-service nonprofits while others find work with grant-making foundations. Many work in affiliates of well-known national organizations such as:

- American Red Cross
- America's Second Harvest
- Humane Society of the United States
- March of Dimes
- National Urban League
- United Way

• youth-serving entities such as Big Brothers Big Sisters, Boys and Girls Clubs, Boy Scouts of America, Girl Scouts of the USA, Camp Fire USA and the YMCA of the USA

Increasing opportunities in the nonprofit sector include careers across the spectrum of community issues such as the arts, environment, health care and others. Typical positions include roles as:

- field executives
- fund development directors
- program directors
- program officers for grant-making organizations
- volunteer program managers

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Nonprofit Leadership and Management (American Indian Studies), BS (PPNLMAIBS)

**Campus:** Downtown Phoenix

**Program Description:** Complementary to the nation's first BS degree in nonprofit leadership and management, the American Indian studies concentration empowers purpose-driven students to be culturally aware, competent and ready for key roles that enable them to advance nonprofits that serve tribal lands, including those organized by tribal governments.

The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public, business and commerce sectors. Students learn about the nonprofit sector through curriculum instruction and field experience. The concentration in American Indian studies familiarizes students with American Indian worldviews, current issues and tribal governance. Many students in the nonprofit sector work with American Indian populations.

The required internship component of the program leads students to professional opportunities within the nonprofit sector. Students also may choose to pursue the National Certified Nonprofit Professional credential through ASU's affiliation with the Nonprofit Leadership Alliance. https://www.nonprofitleadershipalliance.org/credential/ (https://www.nonprofitleadershipalliance.org/credential)

This program is accredited by the Nonprofit Academic Centers Council.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Nonprofits and NGOs), MS
Community Resources and Development, MS
Nonprofit Leadership and Management, MNLM

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPNLMAIBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- •Incorporate multiple perspectives when proposing creative solutions to complex NLM issues.
- •Demonstrate proficiency in written communications with diverse audiences (e.g. clients, interdisciplinary team members, donors, community members).
- •Integrate knowledge from diverse disciplines to develop comprehensive strategies that address the complex challenges faced by nonprofit organizations.

**Global Opportunities:**
Global Experience: Study abroad (https://goglobal.asu.edu/) can provide students with hands-on experience in nonprofit leadership with a global perspective. Students gain skills to be used in their future careers through internships in nonprofits. Students have the opportunity to intern during summer break or during a semester while taking courses in locations such as South America and Asia, adding a global lens for issues that Indigenous communities face around the world.

**Career Opportunities:** Most of the major nonprofit organizations in Arizona and other states work with American Indian populations providing services and expertise. Thus, career options are extensive and include many of the nonprofit organizations in the state and beyond. Careers fields may include fundraising, social services provision, volunteer management and youth programming.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Parks and Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)

**Campus:** Downtown Phoenix
ASU is no longer accepting new students to this program. Students interested in this program should apply directly to the BS in Parks, Recreation and Sport Management (https://degrees.apps.asu.edu/bachelors/major/ASU00/PPPRMBS/parks-recreation-and-sport-management).
**Program Description:** The BS program in parks and recreation management with a concentration in therapeutic recreation prepares students to apply for eligibility to take the national professional certification in through the National Council for Therapeutic Recreation Certification. https://www.nctrc.org (https://www.nctrc.org)

The degree program prepares competent, entry-level recreational therapists with the requisite knowledge, skills and abilities to improve functional outcomes and increase participation in life activities with individuals experiencing health conditions. It is designed for students who want to learn to conduct assessments, develop service plans, implement therapeutic interventions, evaluate and document outcomes of care. They gain skills to effectively provide comprehensive therapeutic recreation services that include program design and evaluation, individual and group service provision, and advocacy. The required fieldwork component of the program facilitates the development of competencies needed to provide quality recreational therapy services.

Students who choose this degree program are truly committed to improving people's lives and contributing to their communities. It is one of two such programs in Arizona, both offered by the School of Community Resources and Development. This program prepares students to provide recreational therapy services in community settings such as youth programs, adaptive sports, or parks and recreation while the Bachelor of Science in recreational therapy has a heavier emphasis on health care settings such as hospitals and human service agencies.

The Council on Accreditation of Parks, Recreation, Tourism and Related Professions accredits this degree program.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Parks and Recreation Management), MS
Community Resources and Development (Sustainable Communities), MS
Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPRMTRBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** There are a wide range of job opportunities for therapeutic recreation professionals including in clinical settings, such as hospitals and nursing homes, adventure programming for youth-at-risk and people with disabilities, and community programs offered through parks and recreation departments.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential

licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/therapeutic-recreation
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Parks, Recreation and Sport Management, BS (PPPRMBS)

**Campus:** Downtown Phoenix

**Program Description:** The BS program in parks, recreation and sport management provides a transdisciplinary education in the management of parks, protected areas, community-based recreation services, and sport and special event management. The parks and recreation field emerged from the youth development, recreation and park movements of the late 19th century.

Students in the program learn about wilderness, environmental communication, parks and recreation management and policy, assessment and evaluation, and sport and recreation planning and programming. Students learn through classroom instruction and field experiences to integrate the natural, social and managerial sciences to make informed decisions for recreation services, both natural-resource based and community-based.

The required internship component of the program allows students to gain practical experience in the parks and recreation professions.

The Council on Accreditation of Parks, Recreation, Tourism and Related Professions accredits this degree program.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Parks and Recreation Management), MS
Community Resources and Development (Sustainable Communities), MS
Community Resources and Development, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPRMBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Incorporate multiple perspectives when proposing solutions to complex PRSM issues.
•Demonstrate proficiency in written communications with diverse audiences (e.g. clients, interdisciplinary team members, families, community members).
•Integrate knowledge from diverse disciplines to develop comprehensive strategies that address the complex challenges faced by park, recreation and sport organizations.

**Global Opportunities:**
Global Experience: Study abroad programs that include travel to some of the world's most renowned and pristine parks, wildlife reserves and other recreational facilities and to forests, reefs and deserts, provide students with invaluable professional development and insight which they can use in their future career.

With more than 300 programs available, study abroad (https://goglobal.asu.edu/) allows students to tailor their experience to their unique interests and skill sets.

**Career Opportunities:** Graduates and prepared for professional positions in which they design, develop and manage services that address the recreational needs of a particular clientele. They are employed in a variety of public, private and nonprofit organizations, in Arizona, nationally and abroad, and they find employment in such diverse settings as:

- armed forces recreation
- city park and recreation departments
- county and state park agencies
- federal natural resource agencies
- hospitals and care facilities
- nonprofit recreation programs
- private and commercial recreation facilities
- special event management
- sport venues, theme parks
- youth agencies

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Public Service and Public Policy, BS (PPPAFBS)

**Campus:** Downtown Phoenix, Online

**Program Description:** The BS program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy and administration with a focus on professional preparation for a career. The major is also well suited to students interested in pursuing graduate education in law, public administration, public policy and other areas focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus

all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP
Public Policy (Science and Technology Policy), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-public-service-and-public-policy/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students in the public service and public policy program work to create policies that advance the public interest. When studying abroad, students gain a better understanding of how government functions at various levels around the world and an understanding of which public

policies used are beneficial to society and which policies need to be improved upon. Students increase their knowledge and experiential base through study abroad, to bring about positive change in their own communities.

More information on available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates possess the knowledge and skills to transform government and policy in positions at all levels in city, county, state and federal agencies --- entry, mid-level supervisory, and managerial. They are prepared for work in nonprofit organizations and in the private sector at the interface of public affairs and private enterprise. For those who already have work experience, the degree provides further opportunity for promotion.

The public service sector offers sustainable, exciting and fulfilling career options. Graduates are empowered to use knowledge of the public sector as a catalyst to change the world. By understanding the challenges facing government and being well versed in the development of multiple, useful and realistic solutions, graduates contribute to the development of local, national and global communities.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)

**Campus:** Downtown Phoenix

**Program Description:** The American Indian studies concentration within the BS program in public service and public policy provides students with specialized knowledge about the policy implications of American Indian-related decisions and actions. This concentration focuses on the latest policy implications and research impacting Indigenous communities in the United States.

The Bachelor of Science program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy and administration with a focus on professional preparation for a career. The major is also well suited to students interested in pursuing further education in law, public administration, public policy and other graduate pursuits focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP

Public Policy (Science and Technology Policy), MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFAISBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students can apply a global lens to their studies by learning how American Indians view the world and by learning about current issues and tribal governance of Indigenous peoples around the world.

Participation in study abroad increases students' ability to work with diverse groups of people. Whether in a foreign country, in the U.S. or online, any of the more than 300 available Global Education programs (https://goglobal.asu.edu/) provide an opportunity for students to develop a valuable skill set that can give them an advantage in their career and personal enrichment. Students are encouraged to build communication skills that span intercultural boundaries, are challenged to adapt and persevere, and are exposed to differences they can't always read about in textbooks.

**Career Opportunities:** The program is primarily focused on providing individuals with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would function successfully in many other types of organizations as well. Graduates are prepared for work in nonprofit organizations and in the private sector at the interface of public affairs and private enterprise. For those who already have work experience, the degree provides further opportunity for promotion.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (Business), BS (PPPAFBUBS)

**Campus:** Downtown Phoenix

**Program Description:** The School of Public Affairs offers a concentration in business as part of the BS in public service and public policy.

This concentration establishes a core business curriculum while allowing students the flexibility to pursue their passion, from entrepreneurial opportunities to working for a Fortune 500 company. Coursework teaches lasting business concepts.

The Bachelor of Science program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy and administration with a focus on professional preparation for a career. The major is also well suited to students interested in pursuing further education in law, public administration, public policy and other graduate pursuits focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Science and Technology Policy), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 (scale is 4.00 = "A") is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFBUBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students seeking in-depth knowledge of the public sector related to agencies that conduct business in various capacities can benefit from study abroad (https://goglobal.asu.edu/). Many programs focus on topics such as urban sustainability, challenges to a country's economy and governmental issues so students can see the concepts they have learned through a unique cultural lens.

**Career Opportunities:** This bachelor's degree program in public service and public policy is preparation for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. Graduates are prepared for work in nonprofit organizations and in the private sector at the interface of public affairs and private enterprise. For those who already have work experience, the degree provides further opportunity for promotion.

This business concentration prepares those with an interest in policy to focus on business issues and their policy implications.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (Criminology), BS (PPPAFCBS)

**Campus:** Downtown Phoenix

**Program Description:** The School of Public Affairs offers a concentration in criminology as part of the BS in public service and public policy.

Criminology continues to be a highly sought-after area and it presents broad policy implications for future public sector professionals. This program introduces students to the fundamental foundations in criminal justice and criminology by preparing them to think critically, contribute to society and enhance public safety.

The BS program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy and administration with a focus on professional preparation for a career. The major is also well-suited to students interested in pursuing further education in law, public administration, public policy and other graduate pursuits focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Global Management, MGM
- Public Administration (Emergency Management), MPA
- Public Administration (Nonprofit Administration), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFCBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students seeking in-depth knowledge of the public sector related to agencies that work with criminal justice systems in various capacities can benefit from study abroad (https://goglobal.asu.edu/). Students can observe how public policies used in other countries directly impact policing and criminality, showing students the concepts they have learned through a unique cultural lens.

**Career Opportunities:** The program is primarily focused on individuals interested in or working in the public sector. The skills and knowledge graduates possess will allow them to successfully function in many types of organizations, though the primary focus is on public organizations.

A bachelor's degree in public service and public policy is preparation for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. Graduates are prepared for work in nonprofit organizations and in the private sector at the interface of public affairs and private enterprise. For those who already have work experience, the degree provides further opportunity for promotion.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)

**Campus:** Downtown Phoenix, Online

**Program Description:** The School of Public Affairs offers a concentration in emergency management and homeland security as part of the BS in public service and public policy.

This concentration provides students with the skills and knowledge to assume positions of leadership within the field of emergency management and homeland security. Concepts of public policy and management are blended with emergency management principles to enhance and foster critical thinking within the general field of study. More specifically, the program's focus provides the student with a comprehensive perspective, which is critically important for emerging leaders in disaster management.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their

academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Emergency Management and Homeland Security (Biosecurity and Threat Management), MA
Emergency Management and Homeland Security (Community Resilience), MA
Emergency Management and Homeland Security (Cybersecurity Policy and Management), MA
Emergency Management and Homeland Security (Emergency Management), MA
Emergency Management and Homeland Security (Homeland Security), MA
Emergency Management and Homeland Security, MA
Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP
Public Policy (Science and Technology Policy), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 (scale is 4.00 = "A") is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-public-service-and-public-policy-emergency/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFEHBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Understanding how different governments around the world manage disasters can provide insight in bringing solutions to students' own communities. Study abroad programs (https://goglobal.asu.edu/) can help students gain real-world knowledge and experience in how governments function at varying levels in a community. Students' resumes are enhanced with the heightened cultural competency and the leadership and critical thinking skills they acquire through study abroad.

**Career Opportunities:** Graduates possess the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well.

For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration.

The number of retiring baby boomers along with increasing demand for public services has resulted in an increase in job opportunities for graduates in the public sector. The federal government is the nation's largest employer with nearly two million people employed across the country, and nearly 85% of those jobs exist outside the Washington, D.C., area. The federal government is anticipated to hire tens of thousands of new employees for mission-critical positions in the next few years. Those with preparation in academic areas related to public service will have an advantage in that market.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)

**Campus:** Downtown Phoenix

**Program Description:** The School of Public Affairs offers a concentration in health policy as part of the BS program in public service and public policy. This program allows students to build a course of study that focuses on the health care industry. This sector continues to be a major part of the U.S. and world economy. The concentration in health policy provides students who have an interest in policy to focus on health-related issues and their policy implications. The courses in the concentration are offered by the College of Health Solutions and the School of Human Evolution and Social Change.

The Bachelor of Science program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership, and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy, and administration with a focus on professional preparation for a career. The major is also well suited to students interested in pursuing graduate education in law, public administration, public policy and other areas focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP
Public Policy (Science and Technology Policy), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 (scale is 4.00 = "A") is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFHPBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students seeking in-depth knowledge of policy and the public sector related to the health care industry in various capacities can benefit from study abroad (https://goglobal.asu.edu/). Programs are available that focus on topics such as public or global health, allowing students to see concepts they have learned through a unique cultural lens and build skills in preparation for a future-focused career.

**Career Opportunities:** The degree is primarily focused on providing its graduates with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would function successfully in many other types of organizations as well. Graduates are prepared for work in nonprofit organizations and in the private sector at the interface of public affairs and private enterprise.

For those who already have work experience, the degree provides further opportunity for promotion.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS)

**Campus:** Downtown Phoenix

**Program Description:** The School of Public Affairs offers a concentration in law and policy as part of the BS in public service and public policy. Through this concentration, students who have an interest in public policy focus on legal issues and the policy implications, broadening their educational experience while concentrating in an area that is in high demand.

The core Bachelor of Science program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy and administration with a focus on professional preparation for a career.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y

**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP
Public Policy (Science and Technology Policy), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFLPBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students seeking in-depth knowledge of the public sector related to legal systems in various capacities can benefit from study abroad (https://goglobal.asu.edu/). When studying abroad, students gain a better understanding of how governments function and intertwine with the law around the world, and they view the policy implications of different approaches to law worldwide.

**Career Opportunities:** The program is primarily designed for individuals who work in the public sector or are interested in doing so. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however the primary focus is on public organizations.

This program prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies, for work in nonprofit organizations, and for work in the private sector at the interface of public affairs and private enterprise. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration and pursuits focused on public affairs and the common good.

**Contact Information:**

Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)

**Campus:** Downtown Phoenix

**Program Description:** The School of Public Affairs offers a BS in public service and public policy with a concentration in nonprofit leadership and management.

The role of nonprofit organizations continues to grow and presents broad policy implications for future public sector professionals. This program empowers students to understand the unique aspect of the social, political, economic and philanthropic factors related to the nonprofit sector.

The BS program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership, and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy, and administration with a focus on professional preparation for a career. The major is also well suited to students interested in pursuing graduate education in law, public administration, public policy, and other areas focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

- Global Management, MGM
- Public Administration (Emergency Management), MPA
- Public Administration (Public Finance), MPA
- Public Administration (Urban Management), MPA
- Public Administration, MPA
- Public Policy (Environmental Policy), MPP
- Public Policy (Policy Informatics), MPP
- Public Policy (Science and Technology Policy), MPP
- Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)

International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPANLMBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Students in this program can get real-life experience with nonprofits through study abroad (https://goglobal.asu.edu/). Many service-learning and culturally immersive programs offer work with nonprofits, and students can find programs that enable them to visit or work with nongovernmental organizations, charities and local organizations that benefit the public in many different countries.

**Career Opportunities:** The degree in public service and public policy is primarily focused on individuals working in or interested in working in the public sector. The skills and knowledge graduates have acquired allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations.

Graduates are prepared for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies, for work in nonprofit organizations, and for work in the private sector at the interface of public affairs and private enterprise. For those who already have work experience, the degree provides further opportunity for promotion.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)

**Campus:** Downtown Phoenix

**Program Description:** The School of Public Affairs offers a BS in public service and public policy with a concentration in parks and recreation management.

Leisure and quality of life are an essential part of U.S. society. This program provides students a transdisciplinary education in the management of parks, protected areas and community-based recreation services.

The BS program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy and administration with a focus on professional preparation for a career. The major is also well suited to students interested in pursuing graduate education in law, public administration, public policy, and other areas focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP
Public Policy (Science and Technology Policy), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAPRMBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Study abroad programs (https://goglobal.asu.edu/) at some of the world's most renowned and pristine parks, wildlife reserves and other recreational facilities like forests, reefs and deserts provide students with insight as to how other countries use policy to manage their natural resources. Study abroad allows students to tailor their experience to their unique interests and skill sets, with more than 300 programs available.

**Career Opportunities:** The degree in public service and public policy is primarily for individuals working in or interested in working in the public sector. The skills and knowledge graduates have acquired allow them to successfully function in many other types of organizations; however, the emphasis is on public organizations. They are prepared for work in nonprofit organizations and in the private sector at the interface of public affairs and private enterprise.

Graduates are prepared for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu/
UCENT 400

spa@asu.edu
602-496-0450

# Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)

**Campus:** Downtown Phoenix

**Program Description:** The School of Public Affairs offers a concentration in science and technology policy as part of the BS in public service and public policy. The program prepares students to tackle many of today's most important challenges: climate change, energy, information privacy, public health and global development.

The core BS program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy, and administration with a focus on professional preparation for a career. The major is also well suited to students interested in pursuing graduate education in law, public administration, public policy and other areas focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP
Public Policy (Science and Technology Policy), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFSTBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** The program is focused primarily on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. Graduates are prepared for work in nonprofit organizations and in the private sector at the interface of public affairs and private enterprise.

For those who already have work experience, the degree provides further opportunity for promotion.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS)

**Campus:** Downtown Phoenix

**Program Description:** Social services delivery is a fundamental building block of government affairs. Through this concentration, students explore the foundation and practices of social services and how social services can be designed, delivered and evaluated at local, state and federal levels.

The core BS program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy and administration with a focus on professional preparation for a career. The major is also well suited to students interested in pursuing graduate education in law, public administration, public policy and other areas focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP
Public Policy (Science and Technology Policy), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required for current ASU students to change into this major.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFSSBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** The degree in public service and public policy is focused primarily on providing graduates with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. Graduates are prepared for work in nonprofit organizations and in the private sector at the interface of public affairs and private enterprise.

For those who already have work experience, the degree provides further opportunity for promotion. In addition, the is preparation for future graduate study in law, public policy and public administration.

Retiring baby boomers and an increasing demand for public services have resulted in an increase in job opportunities for graduates in the public sector. The federal government is the nation's largest employer, with nearly two million people employed across the country, and nearly 85% of those jobs exist outside the Washington, D.C., area. The federal government is anticipated to hire tens of thousands of new employees for mission-critical positions in the next few years. Students with preparation in academic areas related to public service and social services delivery will have an advantage in that market.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Public Service and Public Policy (Sustainability), BS (PPPAFSBS)

**Campus:** Downtown Phoenix

**Program Description:** Sustainability continues to be a highly sought-after area and it presents broad policy implications. Through this concentration, students explore the challenges of sustainability and how it may be used to develop solutions to pressing issues at local and global levels.

The BS program in public service and public policy includes comprehensive coverage of topics in public policy, public leadership and management. Applications and examples encompass a wide variety of policy topics and management approaches.

This program examines the public sector and addresses, in a practical way, the challenges facing the public. It is unique because it enables students to study public service, policy and administration with a focus on professional preparation for a career. The major is also well suited to students interested in pursuing graduate education in law, public administration, public policy and other areas focused on public affairs and the common good.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Global Management, MGM
Public Administration (Emergency Management), MPA
Public Administration (Nonprofit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration, MPA
Public Policy (Environmental Policy), MPP
Public Policy (Policy Informatics), MPP
Public Policy (Science and Technology Policy), MPP
Public Policy, MPP

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required for current ASU students to change into this major.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPPAFSBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), study abroad (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire global skills and knowledge in preparation for a future-focused career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** The degree in public service and public policy is primarily for individuals working or seeking work in the public sector. The skills and knowledge graduates have acquired allow them to successfully function in many other types of organizations, though the principal focus is on public organizations.

Graduates are prepared for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies and for work in nonprofit organizations and in the private sector at the interface of public affairs and private enterprise.

For those who already have work experience, the degree provides further opportunity for promotion.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Recreation Therapy, BS (PPRECTBS)

**Campus:** Downtown Phoenix

**Program Description:** The BS program in recreational therapy prepares students to become competent, entry-level recreational therapists with the requisite knowledge and skills needed to use recreation-based interventions to improve health outcomes. Students are prepared to be qualified experiential therapists, utilizing the holistic benefits within creative and expressive arts, adapted exercise and sport, aquatic therapy, therapeutic riding, horticulture therapy, community integration, leisure education and structured play.

Students enrolled in the program gain knowledge and requisite competencies to lead recreation-based therapeutic programs as a strategy to improve individual and community health. Through the curriculum, students learn the systematic process of conducting assessments, developing service plans, implementing therapeutic interventions, evaluating, and documenting outcomes of care.

Additionally, students acquire intercultural and interprofessional competencies, as well as leadership skills necessary for the delivery of high quality, comprehensive recreational therapy services.

The program involves extensive hands-on learning utilizing fieldwork opportunities through community-engaged activities, labs, practicum, and an internship as a program capstone. Bachelor of Science in recreational therapy graduates have many job opportunities and a solid foundation for graduate education.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPRECTBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: With over 300 programs in more than 65 countries (programs vary in length, from one week to one year), participation in a Global Education program (https://goglobal.asu.edu/) is possible for all ASU students who wish to acquire a global perspective and knowledge in preparation for their career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

**Career Opportunities:** Recreation therapy is a rapidly growing field, given the rising number of returning veterans and an aging population. Graduates are prepared for diverse opportunities in a rewarding career working with people of all ages.

Graduates are eligible to apply for national professional certification through the National Council for Therapeutic Recreation Certification (https://www.nctrc.org/ (https://www.nctrc.org/)), which qualifies them as certified therapeutic recreation specialists. Certification is required for most clinical positions and hospital settings, though each facility and state may vary in requirements. Receiving a CTRS credential from the National Council for Therapeutic Recreation is preferred, though may not be required.

Some graduates may work in clinical settings, including:

- acute care hospitals*
- assisted living facilities
- extended care facilities
- pediatric hospitals
- inpatient and outpatient physical rehabilitation centers
- substance abuse clinics

Other graduates may choose to work in human service and community settings such as:

- adapted sports programs
- adult day programs
- correctional facilities
- mental health care programs*
- parks and recreation departments
- school systems

*Starred settings almost always require certification

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/therapeutic-recreation
UCENT 550
scrdadvising@asu.edu
602-496-0550

# Social Work, BSW (PPSWUSWU)

**Campus:** Downtown Phoenix, West, ASU at Tucson

**Program Description:** The curriculum for this undergraduate program leads to a BSW.

Juniors and seniors majoring in social work focus on social work courses in social policy and services, human behavior in the social environment, social work practice, research and field instruction in community agencies. In addition, majors take elective courses in related areas.

Students interested in completing the Bachelor of Social Work program in Tucson are encouraged to complete a MyPath2ASU® program (https://admission.asu.edu/transfer/MyPath2ASU). The Tucson location option is only available to transfer students.

Format option
This program is also offered via ASU Sync, specifically for students with transfer credit or those who already hold an associate degree. ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers.

The program features ASU Sync courses at the upper-division level --- courses numbered from 300 to 499 that are designed primarily for juniors and seniors. It is ideal for students who meet the above criteria and wish to complete their Bachelor of Social Work degree with live interactions without coming to campus. Prerequisites and other restrictions should be noted before class registration.

Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

This major is eligible for the Western Undergraduate Exchange program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

This major is eligible for the Western Undergraduate Exchange program (https://admission.asu.edu/wue) at the following location: ASU at Tucson.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The ASU Sync option is only available to transfer students or those with an associate degree. Students on I-20 visas are not allowed to complete courses via Sync.
Transfer Admission Requirements: The MyPath2ASU® pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students should visit Admission Services (https://admission.asu.edu/transfer) for more information about ASU degrees offered at local community colleges.

**Change of Major Requirements:** A minimum cumulative GPA of 2.00 is required to change into this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPSWUSWU~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Plan, implement and evaluate evidence-based interventions
- •Advocate for advanced human rights, social and economic justice
- •Apply professional case management intervention skills when working with individuals, families, groups and communities

**Global Opportunities:**
Global Experience: When participating in a study abroad program, students examine social work through an international lens as it relates to community-building, service organizations, support for disenfranchised people and human rights advocacy.

Cross-cultural understanding is one of the main learning outcomes of study abroad programs and is also one of the most important skills of those moving into social work careers. Students will be able to use the knowledge and skills learned in the program and the unique intercultural focus gained from study abroad to enhance their career.

Information on available programs can be found on the Global Education Office (https://goglobal.asu.edu/) website.

**Career Opportunities:** Graduates are prepared to be generalist social work practitioners focusing on advocacy, referrals, case management and problem-solving functions with individuals, groups, families, organizations and the community.

Employment in social work is expected to increase commensurately with the needs of a growing and diverse population, with social workers employed in public and private agencies dealing with a wide variety of social issues, including:

- adoption and teen pregnancy
- aging
- child abuse and foster care
- corrections and delinquency
- disability
- discrimination
- domestic violence and family dysfunction
- health and mental health
- homelessness and poverty
- substance abuse

Social work skills such as problem-solving, resource utilization, counseling, group work and community organization are also useful for employee relations and mediation positions in industry.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Social Work
https://publicservice.asu.edu/bachelors-degrees/majorinfo/PPSWUSWU/undergrad/false/3
UCENT 800
social.work@asu.edu
602-496-0800

## Tourism Development and Management, BS (PPTDMBS)

**Campus:** Downtown Phoenix

**Program Description:** Through the BS program in tourism development and management, students acquire the planning, management and leadership skills related to the growth and development of tourism throughout the world.

The curriculum takes full advantage of its strong connections with the professional tourism community in Phoenix. The required internship component of the program allows students to gain practical experiences leading to professional positions in various travel, tourism and related fields. Students are exposed to the practices of heritage tourism, sustainable tourism, resort management, and meeting and convention planning.

While pursuing the bachelor's degree in tourism development and management, a student also may choose to complete a certificate in convention sales and meeting planning. Additionally, students have the opportunity to participate in a study abroad program.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS
Community Resources and Development, MS
Sustainable Tourism, MST

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

•Able to incorporate multiple perspectives when proposing creative solutions to complex tourism issues.
•Demonstrate proficiency in written communications with diverse audiences (e.g. clients, interdisciplinary team members, community members).
•Integrate knowledge from diverse disciplines to develop comprehensive strategies that address the complex challenges faced by tourism organizations.

**Global Opportunities:**
Global Experience: Future tourism professionals need to develop an understanding of how and why people travel to destinations around the world and need to know how to share the local environment with visitors. Through study abroad (https://goglobal.asu.edu/), students gain valuable immersive experience in the various subsets of tourism development and management around the world, including in Europe, Latin America, Oceania, Asia and Africa.

**Career Opportunities:** Graduates are ready for successful careers in the rapidly expanding travel and tourism industry, the largest industry in the world and the second largest in Arizona. Based upon interests, graduates can seek work across a wide variety of occupations in the public, nonprofit or private and commercial sectors, in such diverse settings as resorts, meeting planning, convention and visitor bureaus, tour operations and commercial recreation businesses. In such settings, graduates design, develop and manage services that address the needs of a particular clientele.

The metropolitan Phoenix area is a major hub of tourism in the southwestern U.S. and has experienced rapid growth in:

- air transportation
- business and corporate travel
- gaming and casinos
- meetings and conventions
- resorts and hotels
- sports tourism
- state and national parks

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Tourism Development and Management (Meetings and Events), BS (PPTDMMEBS)

**Campus:** Downtown Phoenix

**Program Description:** The concentration in meetings and events allows students enrolled in the BS program in tourism development and management to focus their electives on courses that cover meetings and events planning topics. The concentration draws from both the special events program and the meeting management program, and it prepares students to be competitive in the events sector.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS

Community Resources and Development, MS
Sustainable Tourism, MST

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMMEBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Incorporate multiple perspectives when proposing creative solutions to complex tourism issues.
•Demonstrate proficiency in written communications with diverse audiences (e.g. clients, interdisciplinary team members, community members).
•Integrate knowledge from diverse disciplines to develop comprehensive strategies that address the complex challenges faced by tourism organizations.

**Global Opportunities:**
Global Experience: Future tourism professionals need to develop an understanding of how and why people travel to destinations around the world and learn how to share the local environment with visitors. When studying abroad (https://goglobal.asu.edu/), students gain valuable field experience and immersion in various locales around the world. Internships for credit in meetings and events are available in countries in Europe, Oceania, Latin America and more.

**Career Opportunities:** Tourism-related meetings and events are significant contributors to the Arizona economy as well as to other states. Graduates are prepared to enter meeting and event-related careers in resorts and hotels, convention and visitor bureaus, private event companies, festivals, travel agencies, destination management companies, parks and recreation departments, public relations and nonprofit fundraising.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu/content/degree-programs
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS)

**Campus:** Downtown Phoenix

**Program Description:** The BS program in tourism development and management with a concentration in resort and hotel leadership attracts students and professionals who have interests in the diverse areas of knowledge needed within the accommodations sector, knowledge such as:

- ecological, social, economic and cultural sustainability practices in the industry
- hospitality management and leadership
- meeting the expectations of hotel and resort guests

• the interrelated functions within departments of the lodging, food and beverage industries and other stakeholders such as recreation organizations and heritage institutions.

The program provides students an academic option to study in depth the resort and accommodations system and gain knowledge of the importance of the business relationships between suppliers, intermediaries and vendors, guests, and the public and private sectors.

The comprehensive coursework, integrating resilient and sustainable practices, career exposure opportunities, study abroad options and culminating internship experiences of this program prepares students for a management and leadership position in the world's largest service industry. It also prepares them to serve their communities with the skills, knowledge, techniques and capabilities needed for addressing major issues related to resorts and other tourism accommodations.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS
Community Resources and Development, MS
Sustainable Tourism, MST

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMRBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
•Incorporate multiple perspectives when proposing creative solutions to complex tourism issues.

•Demonstrate proficiency in written communications with diverse audiences (e.g. clients, interdisciplinary team members, community members).
•Integrate knowledge from diverse disciplines to develop comprehensive strategies that address the complex challenges faced by tourism organizations.

**Global Opportunities:**
Global Experience: Future tourism professionals need to develop an understanding of how and why people travel to destinations around the world and need to know how to share the local environment with visitors. When studying abroad (https://goglobal.asu.edu/), students gain valuable field experience and immersion in various destinations around the world. Internships for credit in resort and hotel leadership are available in countries in Europe, Oceania, Latin America and more.

**Career Opportunities:** There are a variety of job opportunities for resort or hotel professionals, ranging from entry-level as a management trainee to an assistant manager or manager in various departments, such as:

- catering and banquet
- convention sales
- front desk
- guest services
- rooms division
- sales and marketing

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)

**Campus:** Downtown Phoenix

**Program Description:** The BS program in tourism development and management provides students with the theoretical understanding they need in order to maneuver the complexities of one of the world's largest industries. A concentration in sustainable tourism allows students to hone their understanding of the key concepts of resilience and sustainability and of how these concepts can be applied to tourism destinations and development.

Students learn the dominant theories and language that make up sustainability science and the skills necessary to measure, create and implement sustainability policies in tourism destinations, from the planning to management stages of development.

Students take courses offered by the School of Sustainability in addition to courses in the School of Community Resources and Development, guaranteeing a strong foundation in the basic theories of the growing field of sustainability while applying these newfound skills to tourism development and management.

The comprehensive coursework in tourism and sustainability science, career exposure opportunities, study abroad options and culminating internship experiences of this program prepare students for management and leadership opportunities.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus

master's degree with::

Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS
Community Resources and Development, MS
Sustainable Tourism, MST

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTDMSBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:
- Incorporate multiple perspectives when proposing creative solutions to complex tourism issues.
- Demonstrate proficiency in written communications with diverse audiences (e.g. clients, interdisciplinary team members, community members).
- Integrate knowledge from diverse disciplines to develop comprehensive strategies that address the complex challenges faced by tourism organizations.

**Global Opportunities:**
Global Experience: Future tourism professionals need to develop an understanding of how and why people travel to destinations around the world and how to share the local environment with visitors. Through study abroad (https://goglobal.asu.edu/), students gain valuable experience in the global travel context by learning sustainable tourism policies in destinations all around the world, including in Europe, Latin America, Asia and Africa.

**Career Opportunities:** Sustainable tourism is becoming increasingly important, and many tourism businesses are hiring sustainability coordinators. These businesses include hotels, airlines, museums, convention and visitor bureaus, and large attractions. Travel agencies and tour companies, such as those that implement ecotourism and volunteer tourism experiences, are especially interested in employees with a strong sustainable tourism background. Numerous sustainable tourism nonprofit organizations have emerged in recent years, and many government-related tourism organizations also hire those with a strong sustainability focus. Consulting opportunities are available to assist tourism businesses in developing sustainable practices as well.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Tourism and Recreation Management, BS (PPTRMBS)

**Campus:** Online

**Program Description:** Through the BS program in tourism and recreation management, students acquire the planning and management skills required for work in the growing tourism, recreation, sport and event industries throughout the world.

Selecting one of four emphasis areas --- tourism, recreation, events or sport --- lets students hone in on what most interests them. The curriculum offers both broad understanding of each sector as well as the specific skills needed within a chosen field, enabling students to prepare to contribute to communities' economic and social development and to positively influence quality of life both domestically and abroad.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Sustainable Tourism, MST

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/tourism-and-recreation-management-bs/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPTRMBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- •Incorporate multiple perspectives when proposing creative solutions to complex tourism issues.
- •Demonstrate proficiency in written communications with diverse audiences (e.g. clients, interdisciplinary team members, community members).
- •Integrate knowledge from diverse disciplines to develop comprehensive strategies that address the complex challenges faced by tourism

organizations.

**Global Opportunities:**
Global Experience: Future tourism professionals need to develop an understanding of how and why people travel to destinations around the world and learn how to share the local environment with visitors. Students gain valuable experience in the global travel context by learning sustainable tourism policies in destinations all around the world, including in Europe, Latin America, Asia and Africa. More information is available on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Industries in the leisure sector offer a wide variety of career options. Based upon interests, graduates can seek work in the public, nonprofit, or private and commercial sectors. Graduates find employment in such diverse organizations as resorts, hotels, and convention and visitor bureaus and in areas such as business and corporate travel, transportation, tour operations, event and meeting planning and management, and attractions management. Opportunities are also found with city and state parks and recreation departments and national parks and protected areas. Other career options can be found in youth, recreation and sports-oriented nonprofits; sports and recreation program planning and management; sports events; and many others.

In such settings, graduates plan, design, develop and manage services that address the needs of a particular clientele.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrdadvising@asu.edu
602-496-0550

## Urban and Metropolitan Studies, BS (PPURBBS)

**Campus:** Downtown Phoenix

**Program Description:** Located in the heart of downtown Phoenix, the BS program in urban and metropolitan studies is for students who yearn to study and understand urban theory in order to effectively address the challenges of rapid growth along with other contemporary urban issues.

Students in this program discover what makes the city tick --- and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory, and they use that knowledge to get involved in their communities. This gives them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. The students are invested in their neighborhoods. Many of them live and work downtown, and they learn how to improve urban health and well-being, often training themselves to be the future leaders of urban environments. Others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, and revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150% of Arizona resident tuition plus all applicable fees. Students should click the link for more information and eligibility requirements of the WUE program (https://admission.asu.edu/wue).

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.

Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=PPURBBS~null + &college=CPP) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Program Learning Outcomes:**
Program learning outcomes identify what a student will learn or be able to do upon completion of their program. This program has the following program outcomes:

- Analyze the basic factors affecting the development of urban policies.
- Apply research and analytic tools to urban public problems
- Use management principles to work effectively in complex urban organizations.

**Global Opportunities:**
Global Experience: As populations grow and lead to urban sprawl, countries around the world grapple with how to best serve society. Study abroad programs (https://goglobal.asu.edu/) expose students to challenges large urban and metropolitan cities face in Europe, Latin America, Africa and Asia. Students experience cultural immersion and research ways to improve and solve complex issues faced by urban and metropolitan cities.

**Career Opportunities:** The transdisciplinary approach of the urban and metropolitan studies program ensures its graduates are prepared for work in a wide range of fields. Graduates successfully enter fields as diverse as urban management, revitalization, community development, urban sustainability and urban planning.

Some careers require additional graduate-level studies and professional experience. Students in the program are advised to explore their options with academic and career advisors to prepare an appropriate program of study and a plan to participate in an internship that complements their long-term professional goals.

**Contact Information:**
Public Service and Community Solutions, Watts College of
School of Public Affairs
https://spa.asu.edu
UCENT 400
spa@asu.edu
602-496-0450

## Teachers College, Mary Lou Fulton

### Applied Science (Early Childhood Studies), BAS (TEAPSECBAS)

**Campus:** Online

**Program Description:** The BAS with a concentration in early childhood studies is a two-year program for students who already have an AAS in early childhood education or a similar field.

Students gain skills in communication, critical thinking and leadership so they can positively affect school readiness for children from birth to age 5. Through online coursework, students deepen their understanding of the social, emotional, cognitive and physical development of young children. Students learn to set developmentally appropriate learning goals, to create and support effective instructional strategies, and to develop highly individualized instruction for young learners.

This program integrates experiential learning opportunities into the curriculum, allowing students to put coursework into practice. Students must be able to work or volunteer with learners in an early childhood setting for at least 15 hours per month throughout their junior and senior year.

Individuals who don't have an Associate of Applied Science degree may consider the BAE program in educational studies with a concentration in early childhood studies (https://degrees.apps.asu.edu/bachelors/major/ASU00/TEESECEBAE/educational-studies-early-childhood-studies), which has a parallel curriculum.

This program does not lead to teacher certification. Students seeking teacher certification should enroll in one of the other Mary Lou Fulton Teachers College undergraduate programs.

**STEM-OPT for International Students on F-1 Visas:**
This program may be eligible for an Optional Practical Training extension for up to 36 months. This OPT work authorization term may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension (https://issc.asu.edu/f-1j-1-students/employment/stem) at ASU's International Students and Scholars Center website.
The OPT extension only applies to students on an F-1 visa and does not apply to students completing the degree through ASU Online.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: This program is not available to first-year students.
Transfer Admission Requirements: Students applying to this program must have completed an AAS degree from a regionally accredited institution AND be employed or volunteer in an early childhood setting (e.g., Head Start, child development center, early care and education center, private or public preschools, home-based child care) in order to successfully participate and complete coursework.

Students with an Associate of Applied Science degree, which consists of courses in specialized occupational areas built upon a general education core, will receive 60 hours of credit though a block transfer to the university. The block transfer applies only to the Bachelor of Applied Science degree program. Students may receive up to 15 more credit hours for additional coursework completed at the community college or university that, through transcript evaluation, is determined to match a course in the degree program major map.

**Change of Major Requirements:** A current ASU student must have completed an Associate of Applied Science in early childhood education or a closely related field from a regionally accredited institution to change to this major.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/early-childhood-applied-science/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEAPSECBAS~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that, for the foreseeable future, migration is expected to increase globally. Learners will be migrating to new communities and, in response, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments.

Education students can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), in which they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** This program is a great option for those who are already working in the field of early childhood education.

Graduates may become early childhood educators in various settings, such as Head Start programs, early care and education centers, private preschools, nonprofit centers, and home-based service providers. Other career opportunities include center-based administrators or directors; topic specialists who provide resources, training and technical assistance to early childhood educators and programs; program managers; family support specialists; and consultants.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

## Early Childhood Education, BAE (TEECDEDBAE)

**Campus:** Tempe

**Program Description:** The BAE program in early childhood education prepares students to meet the educational, behavioral and social-emotional needs of children, ages birth to age 8 or grade 3. This program focuses on child development and best practices in early childhood education, including the skills to create inclusive learning environments; conduct instructional design, planning and facilitation; and assess, monitor and report the progress of young children.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and student-teaching residency) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates are eligible to earn an institutional recommendation from ASU for Arizona teacher certification in Early Childhood, birth--grade 3 or age 8, as well as a Structured English Immersion, P-12, endorsement from the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

Format option
This program is also offered via ASU Sync (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

The ASU Sync option is only available to transfer students residing in Arizona due to state regulations and student teaching placement requirements. Students should have completed an associate degree by the time they enroll at ASU.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill/).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  117 - College Algebraor MAT 142
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The ASU Sync option is only available to transfer students residing in Arizona due to state regulations and student teaching placement requirements. Students should have a completed associate degree or will have completed an associate degree by the time they are enrolled at ASU. Students on I-20 visas are not allowed to complete courses via Sync.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEECDEDBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), where they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** There is a strong demand for early childhood educators in Arizona and nationwide. Many graduates with a degree in early childhood education hold leadership positions in Head Start, private nonprofit and private for-profit center-based programs, and public school early childhood environments.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu
ED 102
ASUeducation@asu.edu
480-965-9995

## Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)

**Campus:** Tempe, ASU at The Gila Valley
ASU is no longer accepting new students to this program. Students interested in this program should apply to the BAE in Early Childhood Education (https://degrees.apps.asu.edu/bachelors/major/ASU00/TEECDEDBAE/early-childhood-education) or the BAE in Special Education (https://degrees.apps.asu.edu/bachelors/major/ASU00/TESPCEDBAE/special-education).
**Program Description:** The BAE program for early childhood education and early childhood special education prepares students to be eligible for dual certification in both early childhood education and early childhood special education (birth to age 8).

This program focuses on child development; research-based instructional and assessment practices in early childhood education; and the skills to assess, monitor and report the progress of children with and without disabilities. It prepares students to collaborate effectively with family members of young children to support the growth and development of those children.

Extensive professional experiences are built into this program to prepare students to enter the teaching profession after graduation. Graduates will complete internships prior to a full-time teaching residency. Mary Lou Fulton Teachers College has developed a distinctive approach to teacher-preparation, which includes student participation in internships and residencies while receiving guidance and support from faculty members and highly qualified certified teachers. Professional experiences are designed to prepare graduates to work with mutually supportive colleagues to address the academic and social-emotional needs of learners.

Graduates are eligible to earn an institutional recommendation from ASU for Arizona teacher certification in Early Childhood and Early Childhood

Special Education, and an endorsement in Structured English Immersion, preK-12, from the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

Format option: Transfer students who live in Arizona and outside of Maricopa County may be eligible to take regularly scheduled classes remotely via ASU Sync. More information is available on the program website (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEECSEBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Future educators must learn to create inclusive and inspiring learning environments, and they can do this by expanding their horizons through study abroad. They can explore how schooling works in countries that are leaders in education, conduct comparative research, and make a difference in a community by volunteering at schools and engaging in local educational programs through service-learning opportunities. They may visit ASU's study abroad website (https://goglobal.asu.edu/) to explore programs.

**Career Opportunities:** There is a strong demand for early childhood educators in Arizona and nationwide. Many graduates with a degree in early childhood education hold leadership positions in Head Start, private nonprofit and private for-profit center-based programs, and public school early childhood environments.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-9995

## Education Exploratory,  (TEEDUEXPL)

**Campus:** Polytechnic, Tempe, West

**Program Description:** The education exploratory program provides first-year students with the ability to explore various areas in education prior to selecting a major at Mary Lou Fulton Teachers College.

During the program's first year of coursework, which includes four foundational education courses, and through specific cocurricular events scheduled throughout the first and second terms, students on this track are exposed to all programs and certification areas. Students are able to make an informed decision about the grade level or area of specialization they are interested in while staying on track to graduate from a bachelor's degree program.

Education exploratory is an introductory program offered prior to declaring a major. It does not lead to a degree, and students need to declare a major after completion of 30 credit hours.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A first-year student with fewer than 24 credit hours is eligible to change the major to this program.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEEDUEXPL~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), in which they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** All students in the education exploratory program are poised to graduate from one of the majors within Mary Lou Fulton Teachers College. Information for those career opportunities can be found under each major.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-9995

## Educational Studies, BAE (EDSLSTBAE)

**Campus:** Polytechnic, Tempe, West, Online

**Program Description:** The BAE program in educational studies prepares students to work with children, youth, and adults within nonprofit settings, community institutions, civic organizations and businesses. Students develop cultural competence for social justice, including self-awareness, understanding and valuing others, and knowledge of societal inequities. Students develop skills for facilitating learning experiences with and for

diverse people in different contexts, skills to foster equity and inclusion, and skills for effective communication, collaboration, leadership, advocacy and innovation, all of which are essential to education professionals.

Students focus on one of 12 core tracks, pursuing additional coursework and expertise in:

- business
- community health
- counseling
- environmental education
- family and human development
- global studies
- health innovations
- nonprofit administration
- organizational leadership
- personal health
- political science
- recreation management

Educational studies students complete a two-semester internship. Students can choose to intern with a nonprofit, business or government organization. Through their internship experiences, students use concepts of diversity, equity and social justice to guide their identification of an education challenge within their organization. Then, using the human-centered design approach, which involves placing people at the center of the problem-solving process, they examine the challenge, ideate and ultimately implement a solution.

An educational studies minor is also available to ASU students in other degree programs.

This program does not lead to teacher certification. Students seeking teacher certification should enroll in one of the other Mary Lou Fulton Teachers College undergraduate programs.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Accelerated Program Options:**
This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with::

Educational Policy, MA
Learning Sciences, MA

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master's during the junior year of their bachelor's degree program. Interested students can learn about eligibility requirements and how to apply (https://acceleratedmasters.asu.edu/how-apply).

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-education-educational-studies/) for program

descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDSLSTBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), where they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates have a versatile degree that qualifies them for a variety of career paths in education, including roles at nonprofit organizations, community institutions, civic organizations and businesses.

This degree is also preparation for graduate programs in education or education-related fields or for trajectories based on the context of the individual's work (e.g., organizational development).

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-5555

## Educational Studies (Early Childhood Studies), BAE (TEESECEBAE)

**Campus:** Online

**Program Description:** The BAE program in educational studies with a concentration in early childhood studies prepares students for careers working with and advocating for children from birth to age 5.

Students gain skills in communication, critical thinking and leadership so they can positively affect school readiness for young children. Through online coursework, students deepen their understanding of the social, emotional, cognitive and physical development of young children. They learn to set developmentally appropriate learning goals for this age group and create and support effective instructional strategies and develop highly individualized instruction.

This program integrates experiential learning opportunities into the curriculum, allowing students to put coursework into practice. Students must be able to work or volunteer with learners in an early childhood setting for at least 15 hours per month throughout their junior and senior year.

Transfer students who already have an AAS degree in early childhood education or a closely related field should consider the BAS in applied science (early childhood studies) program, which has a parallel curriculum.

This program does not lead to teacher certification. Students seeking teacher certification should enroll in one of the other Mary Lou Fulton Teachers College undergraduate programs.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their

academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/early-childhood-education/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEESECEBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), where they can expand their notion of "normal" schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** This program is a great option for students who are already working in the field of early childhood education.

Career opportunities for graduates include early childhood educators in various settings, such as Head Start programs, early care and education centers, private preschools, nonprofit centers and home-based service providers. Other career opportunities include center-based administrators or directors; topic specialists that provide resources, training and technical assistance to early childhood professionals and programs; program managers; family support specialists and consultants.

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu/
ED 120
educationadvising@asu.edu
480-965-5555

## Educational Studies (Instructional Design), BAE (TEEDUSTBAE)

**Campus:** Online

**Program Description:** The BAE program in educational studies with a concentration in instructional design helps students build critical competencies related to designing effective online learning to meet the needs of learners.

The curriculum is grounded in modern learning theory and design. Coursework addresses a variety of components within the field of education including foundations of instructional design, theory and design of digital learning, and digital learning evaluation. All courses are taught online and

combine a range of resources and technologies to facilitate direct interaction between and among students and program faculty.

This program culminates with an internship where students create and present a project that demonstrates their knowledge of instructional design by applying it in a professional context. Students work with an organization to identify an instructional need, problem or performance gap, and then they develop and deploy a solution to be delivered in an online or blended format.

An instructional design minor is also available to ASU students in other degree programs.

This program does not lead to teacher certification. Students seeking teacher certification should enroll in one of the other Mary Lou Fulton Teachers College undergraduate programs.

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematicsor MAT 117 College Alegbra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/undergraduate-bae-educational-studies-instructional-design) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEEDUSTBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), where they can expand their notion of "normal" schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** There is growing demand for online educators, including in companies that develop the materials for online students and any organization focused on digital learning. Graduates are prepared for instructional design roles in K-12, higher education, nonprofits and corporate settings.

Career examples include:

- curriculum coordinator
- curriculum designer or developer
- distance learning manager
- instructional designer
- media center specialists
- technology coordinator
- training specialist, coordinator or manager

**Contact Information:**
Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

## Elementary Education, BAE (TEEEDBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:** The BA program in education with a concentration in elementary education prepares prospective educators to work with children of grades K-8 in an educational setting. This program leads to a K-8 elementary education credential in the state of Arizona.

Students receive a firm grounding in academic content with current research and best practices from nationally recognized faculty in their fields of expertise, accompanied by professional experiences. This program also provides experience in integrating technology into teaching practices.

The teacher certification program for elementary education is clinically embedded during both the junior and senior years. Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be credentialed to teach in the state of Arizona.

Format option
This program is also offered via ASU Sync. (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide) ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The ASU Sync option is only available to transfer students residing in Arizona due to state regulations and student teaching placement requirements. Students should have a completed associate degree or will have completed an associate degree by the time they are enrolled at ASU. Students on I-20 visas are not allowed to complete courses via Sync.
Transfer Admission Requirements: The MyPath2ASU® pathway allows Arizona transfer students to complete a prescribed sequence of courses that meet the requirements for the community college's Associate of Arts degree along with the lower-division requirements for the ASU major.

Students should visit Admission Services (https://admission.asu.edu/transfer) for more information about ASU degrees offered at local community colleges.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEEEDBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), in which they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** There is a demand for highly qualified elementary teachers in Arizona. A high percentage of students from this program receive job offers during their residencies. Many graduates with a degree in elementary education work in:

- charter schools
- nontraditional settings
- private school settings
- public elementary schools

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-9995

## Elementary Education (Educating Multilingual Learners), BAE (TEDLLBAE)

**Campus:** Tempe
ASU is no longer accepting new students to the program. Please explore Degree Search for other similar program options.
**Program Description:** The BAE program for elementary education with a concentration in educating multilingual learners prepares students for certification in grades K-8 as well as a preK-12 bilingual education or English as a second language endorsement in the state of Arizona.

This program offers students a firm grounding in current research and critical pedagogy for English language learners. Candidates take several courses that focus on language diversity, dialectal variation, funds of knowledge and practices that value cultural and community engagements. Students learn processes for developing and supporting the needs of students with individual language learning plans. Students also receive preparation in elementary academic content areas, including math, language arts, social studies and science with a specific focus on meeting the

academic and linguistic needs of emergent bilinguals.

Students will learn about the foundations of second language acquisition, biliteracy, culturally relevant pedagogy and effective language instruction. Knowledge of these subjects prepares prospective educators to develop critical perspectives that will help them to advocate for bilingual children and families.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates earn an institutional recommendation from ASU for Arizona teacher certification in Elementary Education, K-8, as well as an endorsement in either bilingual education or English as a second language from the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments. In addition, students must complete six credit hours of a foreign language or equivalent and pass an appropriate language proficiency test to be eligible for the bilingual education or English as a second language endorsement.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEDLLBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), where they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought teachers in public, charter and private education institutions, including the increasing number of dual-language programs. Career examples include:

- bilingual-dual language K-8 classroom teacher
- K-8 classroom teacher
- language coach
- SEI classroom teacher

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-9995

## Elementary Education (Science, Technology, Engineering and Mathematics), BAE (TEESTEMBAE)

**Campus:** Polytechnic
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BAE program in elementary education with a concentration in science, technology, engineering and mathematics, collectively referred to as STEM, prepares students for certification in grades K-8 in the state of Arizona. This program includes coursework designed for students looking to advance their skills in STEM disciplines and wishing to learn techniques to effectively engage learners.

The program equips prospective educators with the specialized STEM knowledge they need to solve challenging problems and apply critical thinking skills. The elementary education STEM program offers students a firm grounding in the language, current research and best practices in STEM education.

Extensive professional experiences are built into this program to prepare students to enter the teaching profession after graduation. Graduates will complete internships prior to a full-time teaching residency. Mary Lou Fulton Teachers College has developed a distinctive approach to teacher-preparation, which includes student participation in internships and residencies while receiving guidance and support from faculty members and highly qualified certified teachers. Professional experiences are designed to prepare graduates to work with mutually supportive colleagues to address the academic and social-emotional needs of learners.

Graduates earn an institutional recommendation from ASU for Arizona teacher certification in Elementary Education, K-8, and an endorsement in Structured English Immersion, preK-12, from the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College Mathematicsor MAT 117 College Algebra or MAT 170 Precalculus
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEESTEMBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Future educators must learn to create inclusive and inspiring learning environments and they can do this by expanding their horizons. Through study abroad, they can explore how schooling works in countries that are leaders in education, and they can conduct comparative research. Students can make a difference in a community by volunteering at schools and engaging in local educational programs through service-learning opportunities. Students may explore over 300 program options on the Global Education Office website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought teachers in public, charter and private education institutions. Many graduates with degrees in elementary education also work at community organizations serving children and youth.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-9995

## Elementary Multilingual Education, BAE (TEEMLEBAE)

**Campus:** Tempe

**Program Description:** This BAE program in elementary multilingual education prepares students to become educators for linguistically and culturally diverse learners in grades K-8. Students have opportunities to specialize in several areas, including transborder and cultural studies, Indigenous education and Spanish.

Course topics include language diversity, dialectal variation, funds of knowledge (i.e., collections of knowledge-based cultural practices), and practices that value cultural and community engagement. Students learn processes for identifying English language learners as well as how to develop and support the needs of students with individual language learning plans. Students also receive preparation in teaching elementary content areas, including math, language arts, social studies and science with a specific focus on meeting the academic and linguistic needs of English language learners.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates are eligible to earn an institutional recommendation from ASU for Arizona teacher certification in Elementary Education, K-8, as well as an endorsement in either bilingual education or English as a second language from the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments. In addition, students must complete six credit hours of a foreign language or equivalent and pass an appropriate language proficiency test to be eligible for the bilingual education or English as a second language endorsement.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebraor MAT 142 College Mathematics
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)

Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEEMLEBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/) in which they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions, including the increasing number of dual-language programs.

- bilingual-dual language K-8 classroom teacher
- K-8 classroom teacher
- language coach
- structured English immersion classroom teacher

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 102
ASUeducation@asu.edu
480-965-9995

## Physical Education, BAE (TEPPEBAE)

**Campus:** Polytechnic, Tempe

**Program Description:** The BAE program in physical education prepares students to successfully teach quality physical education programs to learners in preschool through grade 12.

The curriculum directly aligns with national beginning teacher standards of The Society of Health and Physical Education Teachers of America. Students take foundational coursework in the areas of growth and motor development, movement activities and lifelong physical fitness. The coursework covers elementary, secondary and adaptive physical education methods, including topics such as instructional design, lesson planning and modifications, and accommodations for P-12 learners. Students build skills in cultivating a positive and productive learning environment, assessing, monitoring and reporting progress, as well as conducting themselves as responsible and ethical professionals.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long full-time teaching residency. With the support of a certified mentor teacher and

ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates earn an institutional recommendation for teacher certification in Physical Education, P-12, as well as a Structured English Immersion, P-12, endorsement through the Arizona Department of Education. In order to teach in a public school, graduates must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebraor MAT 142 College Mathematics
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEPPEBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/) in which they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. Many graduates with degrees in physical education also work as coaches, fitness instructors, or with organizations dedicated to improving health and wellness.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 102
ASUeducation@asu.edu
480-965-9995

## Secondary Education, BAE (TESEDBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:** The BAE program in secondary education prepares students to educate learners in grades 6-12 in the content area of the student's choice.

Students develop strong content knowledge, instructional competency and professional skills needed to lead successful classrooms in middle and high schools. This program provides extensive experience in integrating educational technology and has a strong focus on teaching and learning practices that foster equitable access and outcomes for diverse secondary populations. Students select one content area as their subject emphasis in which they will take at least 24 credit hours. Content areas, which may vary depending on location, include biology, business, chemistry, earth and space sciences, economics, English, general science, geography, health, history, mathematics, physics, physical education, political science and American government, and some foreign languages.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long, full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates earn an institutional recommendation from ASU for the Arizona teaching credential in Secondary Education, 6-12, from the Arizona Department of Education. To be eligible for a secondary education credential in Arizona, students must meet all requirements specified by the Arizona Department of Education, including passing the appropriate Arizona educator subject knowledge exam, as well as the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments. Individuals who have previously earned a bachelor's or master's degree in the content area may be eligible to waive the subject knowledge exam and should contact MLFTCCompliance@asu.edu (mailto:MLFTCCompliance@asu.edu) to learn more.

Format option
This program is also offered via ASU Sync (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via Sync and should speak with an advisor about other options to complete this program.

The Bachelor of Arts in Education in secondary education via ASU Sync is available for transfer students who reside in Arizona. These students must have completed an associate degree by the time they enroll at ASU.

Students should speak to an advisor about the content areas and modalities offered at our campuses in and outside of Maricopa county.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill).

Concurrent degree
With this option, undergraduate students can pair the Bachelor of Arts in Education in secondary education with either the BS in biological sciences or the BA in chemistry. This choice allows students to graduate with two degrees, a greater understanding of the field of education, and a credential to teach.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The ASU Sync option is only available to transfer students residing in Arizona due to state regulations and student teaching placement requirements. Students should have a completed associate degree or will have completed an associate degree by the time they are enrolled at ASU. Students on I-20 visas are not allowed to complete courses via Sync.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESEDBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu), where they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools
- online schools

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

To be eligible for a secondary education credential in Arizona, students must meet all requirements specified by the Arizona Department of Education, including passing the appropriate Arizona educator subject knowledge exam, as well as the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments. Individuals who have previously earned a bachelor's or master's degree in the content area may be eligible to waive the subject knowledge exam and should contact MLFTCCompliance@asu.edu (mailto:MLFTCCompliance@asu.edu) to learn more.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
ASUeducation@asu.edu
480-965-9995

## Secondary Education (Biological Sciences), BAE (TEBIOBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:** The BAE in secondary education with a concentration in biology prepares students to educate learners in grades 6-12. Aligned with strong content knowledge of biological sciences, this program also focuses on integrating technology into teaching and provides the professional experience needed to develop teaching skills that lead to success in the classroom.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates from this program earn a bachelor's degree in their content area and will receive an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification in Secondary Education, 6-12. To be eligible for secondary certification in Arizona, students must also earn a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 170 - Precalculus
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEBIOBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/) in which they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought out teachers in public, charter and private education institutions. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
ASUeducation@asu.edu
480-965-9995

## Secondary Education (Chemistry), BAE (TECHMBAE)

**Campus:** Polytechnic, Tempe, West
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** BAE programs in secondary education prepare educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, education program courses focus on developing the skills and teaching abilities required to be successful in the classroom. This program offers the Structured English Immersion instruction that qualifies them to receive the endorsement that enables them to work with English language learners, and also provides extensive experiences throughout the program in integrating technology into teaching.

Secondary education professional pathway programs are clinically embedded during the junior and senior years. The primary goal of all professional experiences is to provide students with multiple opportunities to apply knowledge learned in ASU coursework to classroom practice in grades 6-12. Mary Lou Fulton Teachers College students complete internships one day a week during the junior year and first semester of the senior year. In the final semester, students complete a full-time teaching residency. Mary Lou Fulton Teachers College faculty and highly qualified lead teachers from partner school districts and charter schools collaboratively coach interns and residents during required professional experiences. The professional experience provided by the program provides students an opportunity to work directly with youth and make an immediate impact on classroom achievement. Students are also given the opportunity to work collaboratively with fellow interns in content area and interdisciplinary teams. This intensive, hands-on model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exam to be certified to teach in the state of Arizona.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TECHMBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Science educators can experience physical sciences and chemistry outside the classroom through study abroad (https://goglobal.asu.edu/). STEM programs in Europe, Asia and Latin America offer hands-on opportunities that explore climate change, engineering and the intersection of humanities and science. Opportunities include research and learning alongside peers from other countries. Program lengths range as short as a week, a semester or a summer.

**Career Opportunities:** Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another

state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
ASUeducation@asu.edu
480-965-5555

## Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)

**Campus:** Polytechnic, Tempe, West
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BAE program in secondary education with a concentration in earth and space sciences prepares students to educate learners in grades 6-12. Aligned with strong content knowledge of earth and space sciences, this program also focuses on integrating technology into teaching and provides the professional experience needed to develop teaching skills that lead to success in the classroom.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long-full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates from this program earn a bachelor's degree in their content area and will receive an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification in Secondary Education, 6-12. To be eligible for secondary certification in Arizona, students must also earn a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  210 - Brief Calculusor MAT 270 Calculus w/Analytic Geometry I
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDESSBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs

(https://goglobal.asu.edu/) in which they can expand their notion of "normal" schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought out teachers in public, charter and private education institutions. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
ASUeducation@asu.edu
480-965-9995

## Secondary Education (English), BAE (TEENGBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:** The BAE in secondary education with a concentration in English prepares students to educate learners in grades 6-12. Aligned with strong content knowledge of English language arts, this program also focuses on integrating technology into teaching and provides the professional experience necessary for developing the teaching skills that lead to success in the classroom.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long-full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates from this program earn a bachelor's degree in their content area and will receive an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification in Secondary Education, 6-12. To be eligible for secondary certification in Arizona, students must also earn a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use

MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEENGBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), where they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. The demand for well prepared secondary teachers is strong. Job opportunities in a fast growing state such as Arizona are numerous.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
ASUeducation@asu.edu
480-965-9995

## Secondary Education (History), BAE (TEHISBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:** The BAE in secondary education with a concentration in history prepares students to educate learners in grades 6-12. Aligned with strong content knowledge of history, this program also focuses on integrating technology into teaching and provides the professional experience necessary for developing teaching skills that lead to success in the classroom.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long-full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates from this program earn a bachelor's degree in their content area and will receive an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification in Secondary Education, 6-12. To be eligible for secondary certification in Arizona, students must also earn a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEHISBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), where they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. The demand for well prepared secondary teachers is strong. Job opportunities in a fast growing state such as Arizona are numerous.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
ASUeducation@asu.edu
480-965-9995

## Secondary Education (Mathematics), BAE (TEMATBAE)

**Campus:** Polytechnic, Tempe, West

**Program Description:** The BAE in secondary education with a concentration in mathematics prepares students to educate learners in grades 6-12. Aligned with strong content knowledge of mathematics, this program also focuses on integrating technology into teaching and provides the professional experience necessary for developing teaching skills that lead to success in the classroom.

Mary Lou Fulton Teachers College has developed a team-based approach to teacher preparation, allowing students to participate in professional experiences (internships and teaching residencies) with a team of peers while receiving guidance and support from ASU faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners. The primary goal of professional experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom.

Students complete a series of internships prior to a semester-long-full-time teaching residency. With the support of a certified mentor teacher and ASU faculty, students are able to practice what is learned during coursework in learning environments.

Graduates from this program earn a bachelor's degree in their content area and will receive an institutional recommendation from ASU that is recognized by the Arizona Department of Education for teacher certification in Secondary Education, 6-12. To be eligible for secondary certification in Arizona, students must also earn a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N

**First Required Math Course:** MAT  270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEMATBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and who bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), in which they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
ASUeducation@asu.edu
480-965-9995

## Secondary Education (Physical Education), BAE (ECPPEBAE)

**Campus:** Polytechnic
ASU is no longer accepting new students to this program. Students interested in teaching physical education should apply to the Physical Education BAE (https://degrees.apps.asu.edu/bachelors/major/ASU00/TEPPEBAE/physical-education).
**Program Description:** The BAE program in secondary education with a concentration in physical education prepares students to successfully teach quality physical education programs to learners in preK-12.

The curriculum directly aligns with national beginning teacher standards of The Society of Health and Physical Education Teachers of America (SHAPE America). Students take foundational coursework in the areas of growth and motor development, movement activities and lifelong physical fitness. The coursework covers elementary, secondary and adaptive physical education methods, including topics such as instructional design, lesson planning and modifications and accommodations for preK-12 learners. Students will build skills in cultivating a positive and productive

learning environment, assessing, monitoring and reporting progress, as well as conducting themselves as responsible and ethical professionals.

Extensive professional experiences are built into this program to prepare candidates to enter the teaching profession after graduation. Students complete internships prior to a full-time teaching residency that takes place senior year. Mary Lou Fulton Teachers College has developed a team-based approach to teacher-preparation, allowing students to participate in internships and residencies with a team of peers while receiving guidance and support from faculty members and highly qualified certified teachers. Team-based professional experiences are designed to prepare students to work with mutually supportive colleagues to address the academic and social-emotional needs of learners.

Graduates earn an institutional recommendation from ASU for Arizona teacher certification in Secondary Education, and an endorsement in physical education, preK-12, from the Arizona Department of Education. To be eligible for secondary certification in Arizona, students must receive a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 117 - College Algebraor MAT 142 College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: Students are admitted to the preprofessional status and must complete additional requirements for entrance to the professional status. Students should see the department website for more information.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=ECPPEBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: As health and wellness become a priority in society, future physical education teachers can enhance their degree by seeing how nutrition and exercise are experienced in different cultures around the world. Students can complete an internship overseas, study abroad for a summer, or spend academic breaks on a program in another country. Students should visit the Global Education website (https://goglobal.asu.edu/) to explore programs.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought out teachers in public, charter and private education institutions. Many graduates with degrees in physical education also work as coaches, fitness instructors or with organizations dedicated to improving health and wellness.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
SANCA 331
ASUeducation@asu.edu
480-965-9995

# Secondary Education (Physics), BAE (EDPHYBAE)

**Campus:** Polytechnic, Tempe, West
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BAE in secondary education with a concentration in physics prepares students to educate learners in grades 6-12. Aligned with strong content knowledge of physics, this program also focuses on integrating technology into teaching and provides the professional experience needed to develop teaching skills that lead to success in the classroom.

Extensive professional experiences are built into this program to prepare students to enter the teaching profession after graduation. Graduates will complete internships prior to a full-time teaching residency. Mary Lou Fulton Teachers College has developed a distinctive approach to teacher-preparation, which includes student participation in internships and residencies while receiving guidance and support from faculty members and highly qualified certified teachers. Professional experiences are designed to prepare graduates to work with mutually supportive colleagues to address the academic and social-emotional needs of learners.

Graduates from this program earn a bachelor's degree in their content area and will receive an institutional recommendation from ASU that the Arizona Department of Education recognizes for the state's Secondary Education, 6-12 teacher certification. To be eligible for secondary certification in Arizona, students must also earn a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
**Program Math Intensity:** Substantial

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=EDPHYBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Science educators can experience physical sciences outside of the classroom through the hands-on experience of a study abroad program. Beyond opportunities for personal enrichment, students explore climate change, engineering, and the intersection of humanities and science, developing a valuable skill set that can give them an advantage in their education career.

Through participation in one of the more than 300 Global Education programs, (https://goglobal.asu.edu/)whether in a foreign country, in the U.S. or online, students are encouraged to build communication skills, challenged to adapt and persevere, and exposed to differences in education systems across the world, and they increase their ability to work with diverse groups of people.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. The demand for well prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast-growing state such as Arizona are numerous.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-9995

## Secondary Education (Political Science), BAE (TEPOLBAE)

**Campus:** Polytechnic, Tempe, West
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BAE in secondary education with a concentration in political science prepares students to educate learners in grades 6-12. Aligned with strong content knowledge of political science, this program also focuses on integrating technology into teaching and provides the professional experience needed to develop teaching skills that lead to success in the classroom.

Extensive professional experiences are built into this program to prepare students to enter the teaching profession after graduation. Graduates will complete internships prior to a full-time teaching residency. Mary Lou Fulton Teachers College has developed a distinctive approach to teacher-preparation, which includes student participation in internships and residencies while receiving guidance and support from faculty members and highly qualified certified teachers. Professional experiences are designed to prepare graduates to work with mutually supportive colleagues to address the academic and social-emotional needs of learners.

Graduates from this program earn a bachelor's degree in their content area and will receive an institutional recommendation from ASU that the Arizona Department of Education recognizes for the state's Secondary Education, 6-12 teacher certification. To be eligible for secondary certification in Arizona, students must also earn a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TEPOLBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Future teachers of political science can experience new cultures firsthand through study abroad. Through programs around the world, students can explore borders, economics, identity, and conflict and see politics as a lived experience, all of which adds critical value to an education degree.

Students may visit ASU's study abroad website (https://goglobal.asu.edu/) to explore programs.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. The demand for well prepared secondary teachers is strong. Job opportunities in a fast-growing state such as Arizona are numerous.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential

licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
ASUeducation@asu.edu
480-965-9995

## Secondary Education (Spanish), BAE (TESPABAE)

**Campus:** Polytechnic, Tempe, West
ASU is no longer accepting new students to this program. Please explore Degree Search for other similar program options.
**Program Description:** The BAE in secondary education with a concentration in Spanish prepares students to educate learners in grades 6-12. Aligned with strong content knowledge of Spanish language, this program also focuses on integrating technology into teaching and provides the professional experience needed to develop the teaching skills that lead to success in the classroom.

Extensive professional experiences are built into this program to prepare students to enter the teaching profession after graduation. Graduates will complete internships prior to a full-time teaching residency. Mary Lou Fulton Teachers College has developed a distinctive approach to teacher-preparation, which includes student participation in internships and residencies while receiving guidance and support from faculty members and highly qualified certified teachers. Professional experiences are designed to prepare graduates to work with mutually supportive colleagues to address the academic and social-emotional needs of learners.

Graduates from this program earn a bachelor's degree in their content area and will receive an institutional recommendation from ASU that the Arizona Department of Education recognizes for the state's Secondary Education, 6-12 teacher certification. To be eligible for secondary certification in Arizona, students must also earn a passing score on the professional knowledge exam offered through the National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPABAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Studying abroad is vital when learning the Spanish language and culture. Future teachers of Spanish, the third most spoken language in the world, can add value to their degree through immersion programs across the Spanish-speaking world in Europe and Latin America. Students explore history and culture in English while acquiring Spanish language skills.

Available programs can be found on the Global Education website (https://goglobal.asu.edu/).

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought teachers in public, charter and private education institutions. The demand for well prepared secondary teachers is strong. Job opportunities in a fast growing state such as Arizona are numerous.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-9995

## Special Education, BAE (TESPCEDBAE)

**Campus:** Tempe

**Program Description:** Special educators make a difference in the lives of children and families. They are curious about how people learn and develop throughout their lifespan. A special education degree prepares students to understand human diversity, communicate effectively and develop problem-solving skills that support their success and that of others.

The BAE program in special education prepares graduates to work with K-12 students with disabilities in inclusive settings. Teacher candidates learn to use evidence-based practices that promote students' success with general education content, including high leverage practices in literacy, math, sciences and social studies. They develop adaptive techniques for students with disabilities and learn to use instructional and assistive technologies to facilitate success.

Students participate in professional experiences designed to expose them to numerous ways of teaching and learning. These internships and residencies are embedded during the junior and senior years to provide teacher candidates with multiple opportunities to work directly with children and youth. With the support of a certified lead teacher and an ASU faculty member called a site lead, students in learning environments are able to practice what is learned during coursework.

Program graduates are eligible for the Standard Professional Mild/Moderate Disabilities Special Education Certificate - Grades K-12. Those desiring to teach in a public school in Arizona must pass the appropriate Arizona educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

Format option
This program is also offered via ASU Sync (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide). ASU Sync enables students to attend live classes remotely via Zoom. Classes are designed to foster active collaboration and discussion in real-time with faculty and peers. ASU Sync students need to reside in Arizona throughout the duration of the program. Students on I-20 visas are not permitted to complete courses via ASU Sync and should speak with an advisor about other options for completing this program.

Students seeking to use GI Bill® benefits for ASU Sync programs should contact the Pat Tillman Veterans Center regarding certain limitations.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs. More information about education benefits offered by VA is available on the official U.S. government website at https://www.benefits.va.gov/gibill (https://www.benefits.va.gov/gibill/).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT 142 - College Mathematics
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

Additional Requirements: The ASU Sync option is only available to transfer students residing in Arizona due to state regulations and student teaching placement requirements. Students should have a completed associate degree or will have completed an associate degree by the time they are enrolled at ASU. Students on I-20 visas are not allowed to complete courses via Sync.

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPCEDBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), where they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** The Bachelor of Arts education in special education leads to teacher certification in order to support a critical market demand for special education teachers in Arizona and beyond. Graduates are poised to find employment in any career that supports learners with disabilities. This includes careers with community- and youth-serving organizations, higher education institutions and health-related organizations.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

## Special Education (Visual Impairment), BAE (TESPEVIBAE)

**Campus:** Tempe

**Program Description:** The BAE program in special education with a concentration in visual impairment provides a strong foundation in evidence-based, high-leverage practices in special education. The visual impairment concentration focuses on diagnostic assessment, orientation and communication skills, and specific teaching methodologies for students with visual impairments. It includes a strong focus on assistive technology to advance learning in the classroom and in daily life.

Students are taught to collaborate with parents, classroom teachers and related service personnel to meet the needs of learners with visual impairments. The curriculum is aligned with Arizona and national standards consistent with the Council for Exceptional Children.

Starting in the fifth term, the program is delivered in partnership with the Foundation for Blind Children in Phoenix, Arizona. Courses are taught by FBC faculty associates and full-time ASU faculty to provide candidates with theoretical and practical perspectives on teaching and learning for individuals with visual impairments.

Some professional experiences take place at the Foundation for Blind Children and within a local school district, providing experiences that prepare students to teach in both self-contained and inclusive settings.

Graduates earn an institutional recommendation from ASU for Arizona teacher certification in Visually Impaired Special Education, birth-grade 12 and an endorsement in Structured English Immersion, preK-12. Certifications and endorsements are issued by the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate professional knowledge or subject knowledge educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** A current ASU student has no additional requirements for changing majors.
Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPEVIBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Because of climate change, geopolitical instability or economic factors, the United Nations and other institutions predict that migration is expected to increase globally for the foreseeable future. Learners will be migrating to new communities. Increasingly, educators will be asked to meet the needs of students who speak languages other than English and bring a range of cultures into classrooms and learning environments. Education students participating in study abroad programs can prepare for this reality by engaging in Global Education programs (https://goglobal.asu.edu/), where they can expand their notion of normal schooling and deepen their understanding of how to foster inclusive and inspiring learning environments.

**Career Opportunities:** Graduates of Mary Lou Fulton Teachers College are highly sought-after teachers in public, charter and private education institutions. Graduates with this special education degree can teach the visually impaired in a variety of special education settings such as resource rooms, self-contained classrooms and they can co-teach with general educators.

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-9995

## Special Education and Elementary Education, BAE (TESPEBAE)

**Campus:** Polytechnic, Tempe, West, ASU at Northeastern Arizona, ASU at The Gila Valley, ASU at Yuma
ASU is no longer accepting new students to this program. Individuals interested in a degree in special education should apply to the Special Education, BAE (https://degrees.apps.asu.edu/bachelors/major/ASU00/TESPCEDBAE/special-education) or the Mild/Moderate Special Education certificate (https://degrees.apps.asu.edu/minors/major/ASU00/TEMSPECERT/mild-moderate-special-education). Individuals interested in a degree in elementary education should apply to the Elementary Education, BAE (https://degrees.apps.asu.edu/bachelors/major/ASU00/TEEEDBAE/elementary-education) or the Elementary Education certificate (https://degrees.apps.asu.edu/minors/major/ASU00/TEEEDCERT/elementary-education).
**Program Description:** The BAE program in special education and elementary education prepares students to work with all learners in inclusive

settings.

Since the general education classroom is a viable placement option for many students with mild and moderate learning and behavioral disabilities, students in this program learn to use evidence-based practices that promote success with general education content, including high leverage practices in literacy, math, sciences and social studies. They develop adaptive techniques for learners with disabilities and use instructional and assistive technologies to facilitate success in the general education curriculum.

Extensive professional experiences are built into this program to prepare students to enter the teaching profession after graduation. Graduates will complete internships prior to a full-time teaching residency. Mary Lou Fulton Teachers College has developed a distinctive approach to teacher-preparation, which includes student participation in internships and residencies while receiving guidance and support from faculty members and highly qualified certified teachers. Professional experiences are designed to prepare graduates to work with mutually supportive colleagues to address the academic and social-emotional needs of learners.

Graduates earn an institutional recommendation from ASU for Arizona teacher certification in Mild/Moderate Disabilities Special Education, K-12, Elementary Education, K-8, and an endorsement in Structured English Immersion, preK-12, through the Arizona Department of Education. In order to teach in an Arizona public school, graduates must pass the appropriate professional knowledge or subject knowledge educator exams: National Evaluation Series or Arizona Educator Proficiency Assessments.

Format option: Transfer students who live in Arizona and outside of Maricopa County may be eligible to take regularly scheduled classes remotely via ASU Sync. Students can learn more on the college's website (https://education.asu.edu/degree-programs/undergraduate-programs/asu-sync-statewide).

**Additional Program Fee:** N
**Second Language Requirement:** N
**First Required Math Course:** MAT  142 - College MathematicsOR MAT 117 College Algebra
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU®  (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=TESPEBAE~null + &college=CTE) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Future educators must learn to create inclusive and inspiring learning environments, and they can do this by expanding their horizons through study abroad. They can explore how schooling works in countries that are leaders in education, conduct comparative research, and make a difference in a community by volunteering at schools and engaging in local educational programs through service-learning opportunities. Students may visit ASU's study abroad website (https://goglobal.asu.edu/) to explore programs.

**Career Opportunities:** Graduates of the program are eligible to teach in elementary education grades K-8 and K-12 for the following high-incidence disabilities:

- emotional disorders
- intellectual disabilities (mild or moderate)
- other health impairments
- orthopedic impairments
- specific learning disabilities

They can teach in a variety of inclusive educational settings, including public, charter and private schools as well as nontraditional settings (juvenile system, children's hospital and more).

**Professional Licensure:** ASU programs that may lead to professional licensure or certification are intended to prepare students for potential licensure or certification in Arizona. Completion of an ASU program may not meet educational requirements for licensure or certification in another state. For more information, students should visit the ASU professional licensure (https://admission.asu.edu/academics/licensure) webpage.

**Contact Information:**
Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
ASUeducation@asu.edu
480-965-5555

# University College

## Exploratory Health and Life Sciences,  (UCHSCIEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, ASU at Lake Havasu, Online

**Program Description:** The exploratory health and life sciences track offers students an opportunity to explore a variety of majors related to health and life science.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill while affording them some time to explore a variety of academic courses that may lead to a potential major interest.

All University College exploratory students are required to enroll in the following major and career exploration courses:

ASU 230 Life by Design
UNI 250 ASU by Design: Choosing a Major
UNI 270 Work by Design: Preparing for a Career

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Math courses needed are determined by potential major choice.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring an exploratory major are available on the University College (https://universitycollege.asu.edu/explore/advising) website. Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page  (https://asuonline.asu.edu/online-degree-programs/undergraduate/exploratory-health-life-sciences/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCHSCIEXPL~null + &college=CUC) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring health and life sciences on the global scale can be beneficial to students in narrowing down their focus of study. While taking courses abroad, students are able learn more about themselves and what career path they want to pursue.

Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education Office (https://goglobal.asu.edu/) website.

**Career Opportunities:** Career opportunities are specific to the ultimate major of choice.

**Contact Information:**
University College
Dean, University College
https://universitycollege.asu.edu/explore/advising
INTDSB 256
exploratory@asu.edu
480-965-9256

## Exploratory Humanities, Fine Arts and Design, (UCHUFAEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, Online

**Program Description:** The exploratory humanities, fine arts and design track offers students an opportunity to explore a variety of majors related to the humanities, fine arts and design.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill while affording them some time to explore a variety of academic courses that may lead to a potential major interest.

All University College exploratory students are required to enroll in the following major and career exploration courses:

ASU 230 Life by Design
UNI 250 ASU by Design: Choosing a Major
UNI 270 Work by Design: Preparing for a Career

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Math courses needed are determined by potential major choice.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring an exploratory major is available on the University College (https://universitycollege.asu.edu/explore/advising) website. Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/exploratory-humanities-arts-design/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCHUFAEXPL~null + &college=CUC) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring humanities on the global scale can be beneficial to students, helping them to narrow down their focus of study. While taking courses abroad, students are able learn more about themselves and what career path they want to pursue.

Students earn ASU credit for completed courses, while gaining a global perspective applicable to many careers, and they may apply financial aid and scholarships toward program costs. More information on available programs can be found on the Global Education Office (https://goglobal.asu.edu/) website.

**Career Opportunities:** Career opportunities are specific to the ultimate major of choice.

**Contact Information:**
University College
Dean, University College
https://universitycollege.asu.edu/explore/advising
INTDSB 256
exploratory@asu.edu
480-965-9256

## Exploratory Math, Physical Sciences, Engineering and Technology, (UCEMTPEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, Online

**Program Description:** The exploratory mathematics, physical sciences, engineering and technology track offers students an opportunity to explore a variety of majors related to the mathematics, physical sciences, engineering and technology.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill while taking some time to explore a variety of academic courses that may lead to a potential major interest.

All University College exploratory students are required to enroll in the following major and career exploration courses:

ASU 230 Life by Design
UNI 250 ASU by Design: Choosing a Major
UNI 270 Work by Design: Preparing for a Career

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Math courses needed will be determined by potential major choice.
**Program Math Intensity:** Moderate

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring an exploratory major is available on the University College (https://universitycollege.asu.edu/explore/advising) website. Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/exploratory-math-science-engineering-technology/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCEMTPEXPL~null + &college=CUC) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring math, physics, engineering and technology on the global scale can be beneficial in helping students to narrow down their focus of study. While taking courses abroad, students are able learn more about themselves and what career path they want to pursue.

Students earn ASU credit for completed courses, while gaining a global perspective applicable to many careers, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education Office (https://goglobal.asu.edu/) website.

**Career Opportunities:** Career opportunities are specific to the ultimate major of choice.

**Contact Information:**
University College
Dean, University College
https://universitycollege.asu.edu/explore/advising
INTDSB 256
exploratory@asu.edu
480-965-9256

## Exploratory Social and Behavioral Sciences, (UCSBSEXPL)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, ASU at Lake Havasu, Online

**Program Description:** The exploratory social and behavioral sciences track offers students the opportunity to explore a variety of majors related to the social and behavioral sciences, such as psychology, history, education, journalism and business.

ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill while taking some time to explore a variety of academic courses that may lead to a potential major interest.

All University College exploratory students are required to enroll in the following major and career exploration courses:
ASU 230 Life by Design
UNI 250 ASU by Design: Choosing a Major
UNI 270 Work by Design: Preparing for a Career

**Additional Program Fee:** Y
**Second Language Requirement:** N
**First Required Math Course:** Math courses needed are determined by potential major choice.
**Program Math Intensity:** General

**Concurrent Program Options:**
Students pursuing concurrent degrees (also known as a "double major") earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

**Admission Requirements:**
General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://admission.asu.edu/freshman/apply)
Transfer (https://admission.asu.edu/transfer/apply)
International (https://admission.asu.edu/international/undergrad-apply)
Readmission (https://admission.asu.edu/undergrad/readmission)

**Change of Major Requirements:** Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring an exploratory major are available on the University College (https://universitycollege.asu.edu/explore/advising) website. Students should visit the Change of Major form (https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Attend Online:**
ASU Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program's ASU Online page (https://asuonline.asu.edu/online-degree-programs/undergraduate/exploratory-social-behavioral-sciences/) for program descriptions and to request more information.

ASU Local: It is now possible to earn an ASU degree with ASU Local (https://asulocal.asu.edu), an integrated college experience in which students take advantage of in-person success coaching and programming experiences on site while completing one of 130+ undergraduate online degree programs, all of which come with online faculty interaction and tutoring support.

**Transfer Options:**
ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use MyPath2ASU® (https://webapp4.asu.edu/transfercreditguide/app/transfermap?major=UCSBSEXPL~null + &college=CUC) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships (https://admission.asu.edu/transfer/MyPath2ASU) in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and they help students save time and money in their college journey.

**Global Opportunities:**
Global Experience: Exploring social and behavioral sciences on the global scale can be beneficial to students narrowing down their focus of study. While taking courses abroad, students are able learn more about themselves and what career path they want to pursue.

Students earn ASU credit for completed courses, while gaining a global perspective applicable to many careers, and they may apply financial aid and scholarships toward program costs. More information is available on the Global Education (https://goglobal.asu.edu/) website.

**Career Opportunities:** Career opportunities are specific to the ultimate major of choice.

**Contact Information:**
University College
Dean, University College
https://universitycollege.asu.edu/explore/advising
INTDSB 256
exploratory@asu.edu
480-965-9256

# Prelaw (LALAWPRE)

**Campus:** Downtown Phoenix, Polytechnic, Tempe, West

**Program Description:**

The prelaw program at Arizona State University is not a degree program. There is no single major that prepares students for becoming a lawyer and there are no specific courses required for law school. Rather, students are encouraged to take a variety of courses --- classes that challenge students intellectually through heavy amounts of reading, writing, critical thinking and analysis. It is also recommended that students engage with more practical experiences in fields related to law (e.g., through internships, job shadowing and so forth).

Challenging courses and real-world experiences, in conjunction with the requirements for a student's major, constitute a prelaw program that prepares students for the next steps in pursuing a career in the legal field.

**Additional Program Fee:** No
**Second Language Requirement:** No
**First Required Math Course:**
**Math Intensity:**

**Contact Information:**

https://prelaw.asu.edu/

# 2023 - 2024 Major Map

## Accountancy, BS

School/College: W. P. Carey School of Business
Location: Tempe, West
BAACCBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.<br>• Join a student club or organization.<br>• Create your first college resume. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and instead will complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey.<br>• Research study abroad opportunities recommended for your major. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 232: Financial Accounting I OR ACC 231: Uses of Accounting Information I | 3 | C | • ACC 232 is the recommended ACC course for Accountancy students. |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- Continuing first-year students will take WPC 248, after completing WPC 148.
- New transfer students will take WPC 347.
- Explore career resources.
- Develop your professional online presence.
- Meet with your W. P. Carey Career Coach.
- Attend W. P. Carey and ASU Career Fairs.

| **Term 4 47.50 - 62.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 242: Managerial Accounting I OR ACC 241: Uses of Accounting Information II | 3 | C | • ACC 242 is the recommended ACC course for Accountancy students.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs.<br>• Apply for internships or create one. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 5 62.50 - 77.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 340: External Reporting I | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach.<br>• Update your resume. |
| FIN 300: Fundamentals of Finance | 3 | C | |
| ACC 330: Data Analytics in Accounting | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 15.25 | | |

| **Term 6 77.75 - 92.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 350: Internal Reporting | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach<br>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480 |
| ACC 440: External Reporting II | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 92.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 430: Taxes and Business Decisions | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| CIS 360: Business Database Concepts | 3 | C | |

| | | | |
|---|---|---|---|
| | MGT 300: Principles of Management and Leadership | 3 | C |
| | WPC 300: Problem Solving and Actionable Analytics | 3 | C |
| | Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| ★ | Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | |
| | Term hours subtotal: | 15 | |

- Gather professional references
- Update your resume
- Apply for full-time career opportunities

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| ACC 444: Enterprise Process Analysis and Design | 3 | C | |
| ACC 450: Principles of Auditing | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 12.25 | | |

- ACC 460 is the recommended elective for Accountancy students.
- Apply for full-time career opportunities.
- Meet with your academic advisor to discuss your internship course options.

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one

- AGB 302: International Management and Agribusiness (G)
- ECN 306: Survey of International Economics (SB & G)
- MGT 302: Principles of International Business (G)
- MKT 425: Global Marketing Management (G)
- SCM 463: Global Supply Chain Management (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Accountancy, BS

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BAACCBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club or organization. |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 22.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join the W. P. Carey mentorship programs<br>• Research study abroad opportunities recommended for your major |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 2 - B 22.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and instead will complete three hours of elective credit. |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ACC 232: Financial Accounting I OR ACC 231: Uses of Accounting Information I | 3 | C | • ACC 232 is the recommended ACC course for Accountancy students<br>• Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| **Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 242: Managerial Accounting I OR ACC 241: Uses of Accounting Information II | 3 | C | • ACC 242 is the recommended ACC course for Accountancy students<br>• Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| **Term 4 - A 46.50 - 55.50 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU Career Fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 9 | | |

| **Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| **Term 5 - A 62.50 - 71.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 340: External Reporting I | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Meet with your W. P. Carey Career Coach.<br>• Update your resume. |
| FIN 300: Fundamentals of Finance | 3 | C | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 9.25 | | |

| **Term 5 - B 71.75 - 77.75 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 330: Data Analytics in Accounting | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 6 - A 77.75 - 83.75 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 440: External Reporting II | 3 | C | • Complete informational interviews |
| ENG 302: Business Writing (L) | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 6 - B 83.75 - 92.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 350: Internal Reporting | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| CIS 360: Business Database Concepts | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 92.75 - 98.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SCM 300: Global Supply Operations | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 430: Taxes and Business Decisions | 3 | C | • Gather professional references<br>• Update your resume |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 444: Enterprise Process Analysis and Design | 3 | C | • ACC 460 is the recommended elective for Accountancy students<br>• Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 450: Principles of Auditing | 3 | C | |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Business and Technology Solutions, BA

School/College: W. P. Carey School of Business
Location: Polytechnic, West
BAAPBTSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time student.<br>• Join a student club or organization.<br>• Create your first college resume. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Explore student leadership opportunities in W. P. Carey.<br>• Research study abroad opportunities recommended for your major.<br>• The Digital Business Innovation track requires a higher level math course. Students interested in this track are recommended to take MAT 210, 211, 270, or 271 in place of an elective in Term 2.<br>• Students with internship or apprenticeship may use WPC 484 in place of electives. A max of 12 credits total can be earned through WPC 484 (three credits per term/class). |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14.25 | | |

| Term 3 30.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C | • Continuing first-year students take WPC 248, after completing WPC 148. Transfer students take WPC 347.<br>• Explore career resources.<br>• Develop your professional online presence.<br>• Meet with your W. P. Carey Career Coach. |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |

| | | | |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | • Attend W. P. Carey and ASU Career Fairs. |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16.25 | | |

| **Term 4 46.50 - 61.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the locations courses are offered, requirements and options.<br>• Attend W. P. Carey and ASU career fairs.<br>• Apply for internships or create one.<br>• Students with an internship or apprenticeship may use WPC 484 in place of electives. A max of 12 credits total can be earned through WPC 484 (three credits per term/class). |
| MGT 380: Management and Strategy | 3 | C | |
| Specialization #1 Course | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 5 61.50 - 76.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CIS 308: Advanced Excel in Business | 3 | C | • Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the locations courses are offered, requirements and options.<br>• Meet with your W. P. Carey Career Coach.<br>• Update your resume. |
| ENG 302: Business Writing (L) | 3 | C | |
| MKT 390: Essentials of Marketing | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Upper Division Specialization #1 Course | 3 | C | |
| Specialization #2 Course | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| **Term 6 76.75 - 91.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 382: Accounting and Financial Analysis | 3 | C | • Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the locations courses are offered, requirements and options.<br>• Complete informational interviews.<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach. |
| AGB 302: International Management and Agribusiness (G) OR MGT 302: Principles of International Business (G) | 3 | C | |
| CIS 309: Business Process Management | 3 | C | |
| Upper Division Specialization #1 Course | 3 | C | |
| Upper Division Specialization #2 Course | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 91.75 - 107.00 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Specialization #2 Course | 3 | C | • Students select two specializations from the lists at the bottom of the major map and |
| CIS 310: Business Data Visualization | 3 | C | |
| FIN 380: Personal Financial Management | 3 | C | |

| | | | |
|---|---|---|---|
| | SCM 380: Supply Chain Management Foundations | 3 | C |
| | WPC 448: Senior Career Transition Management | 0.25 | C |
| | Elective OR WPC 484: Internship | 3 | |
| ★ | Minimum 2.00 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 15.25 | |

complete four courses from each. See lists for the locations courses are offered, requirements and options.
- All Upper Division Business Foundation classes (ACC 382, FIN 380, MKT 390, MGT 380, SCM 380, and AGB 302 or MGT 302) must be completed before enrolling in WPC 460.
- Attend W. P. Carey and ASU Career Fairs.
- Gather professional references.
- Update your resume.
- Students with an internship or apprenticeship may use WPC 484 in place of electives. A max of 12 credits total can be earned through WPC 484 (three credits per term/class).

| Term 8 107.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 460: Business Capstone | 1 | C | • Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the locations courses are offered, requirements and options.<br>• Apply for full-time career opportunities. |
| CIS 405: Business Intelligence | 3 | C | |
| Upper Division Specialization #1 Course | 3 | C | |
| Upper Division Specialization #2 Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| ★ Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 13 | | |

- 
  - Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the locations courses are offered, requirements and options.
  - If students select the Interdisciplinary Business Studies Specialization track, unique courses must be taken for their second track choice.

Hide Course List(s)/Track Group(s)

| | | |
|---|---|---|
| Communication Specialization (choose four courses) - offered at West | Digital Business Innovation Specialization (complete four courses) - offered as iCourses | Diversity and Equity Studies Specialization (choose four courses) - offered at West |
| COM 100: Introduction to Human Communication (SB) | CIS 235: Introduction to Information Systems | DST 101: Introduction to Disability Studies (C) |
| COM 312: Communication, Conflict, and Negotiation | CIS 300: Web Design and Development | DST 494: Disability and Aesthetics |
| COM 316: Gender and Communication (SB & C) | CIS 311: Business Agile Project Management | ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |
| COM 430: Leadership in Group Communication | CIS 312: Business Mobile Commerce and Monetization | ETH 430: Gender on the Borderlands (SB & G) |
| ENG 311: Persuasive Writing (L) | | SOC 426: Social Inequalities (SB) |
| Food and Agribusiness Innovation Specialization (choose four courses) - offered at Poly | Food Industry Management Specialization (choose four courses) - offered as iCourses | Global Management Specialization (one required course, choose three courses) - offered at West |

AGB 100: Introduction to Agribusiness

AGB 321: Agribusiness Marketing

AGB 333: Agribusiness Finance

AGB 366: Food System Technology Innovations

AGB 410: Agribusiness Management

AGB 414: Food and Agribusiness Policy Issues (L)

AGB 452: Global Food and Agricultural Trade

AGB 250: Economics of Resource Allocation: Food and Agriculture

AGB 370: Food Retailing Strategy Development and Case Competition

AGB 420: Food Advertising and Promotion

AGB 425: Food Supply Networks

AGB 435: Commodity Futures and Options Markets

AGB 445: Food Retailing

**Required course:**

TGM 101: Principles of Global Management (G)

**Choose three courses:**

TGM 312: Big Data in the Global Economy

TGM 460: Global Risk Assessment and Management

TGM 468: States and Markets in a Global Economy (SB & G)

TGM 478: Cross-Cultural Communication and Negotiation

Health Care Innovation Specialization (complete four courses) - offered as iCourses and at West

HCI 311: Health Innovation: Foundational Concepts

HCI 421: Health Care Policy: The Innovator's View

HCI 425: Facilitating Innovation to Achieve Outcomes

HCI 428: Technology: A Tool to Advance Innovation in Health Care

Human Resource Management Specialization (one required course, choose three courses) - offered at Poly

**Required course:**

MGT 420: Human Resource Management

**Choose three courses:**

MGT 421: Compensation in Organizations

MGT 422: Staffing

MGT 423: Training and Development in Organizations

MGT 424: Employment Law

MGT 425: Global Human Resources

Human Systems Engineering Specialization (one required course, choose three courses) - offered at Poly

**Required course:**

HSE 101: Introduction to Human Systems Engineering (SB)

**Choose three courses:**

HSE 323: Perceptual Systems (SB)

HSE 324: Applied Cognitive Science (SB)

HSE 325: Human-Computer Interaction

HSE 422: Human Factors in Sport

HSE 423: Human Factors in Transportation

HSE 424: Human Automation Interaction

HSE 425: Human Factors in Medical Systems

HSE 426: Training and Expertise

HSE 427: Designing for Learning

HSE 428: Judgment and Decision Making

HSE 429: Product Design and Evaluation

Leadership Development Specialization (choose four courses) - offered at West

COM 225: Public Speaking (L) or COM 259: Communication in Business and the Professions or COM 312: Communication, Conflict, and Negotiation or COM 319: Persuasion and Social Influence (SB) or COM 400: Communication in Professions

MGT 310: Collaborative Team Skills

MGT 400: Cross-Cultural Management (C & G)

MGT 411: Leading Organizations

Medical Studies Specialization (complete four courses) - offered at Poly

HCD 303: Global Health Care Systems (G)

MED 300: Historical and Contemporary Issues in Health (L)

MED 320: Applied Medical/Health Care Ethics (HU)

MED 450: Leadership and Professionalism

Project Management Specialization (one required course, choose three courses) - offered as iCourses

**Required course:**

PMG 240: Introduction to Project Management

**Choose three courses:**

PMG 321: Project Leadership, Strategy and Scope

PMG 322: Project Schedule Management

PMG 324: Resources in Project Management

PMG 326: Project Procurement Management

PMG 421: Project Risk Management

PMG 422: Project Quality Management

| Sales and Marketing Essentials Specialization (choose four courses) - offered as iCourses | Supply Chain Management & Sustainability (complete four courses) - offered at West | Technical Communication Specialization (choose four courses) - offered at Poly |
|---|---|---|
| MKT 391: Essentials of Selling | SCM 294: Society, the Supply Chain and You | TWC 301: Fundamentals of Writing for Digital Media (L) |
| MKT 392: Essentials of Business Marketing | SCM 385: Business and Sustainability I | TWC 401: Fundamentals of Technical Communication (L) |
| MKT 395: Essentials of Advertising and Marketing Communication | SCM 463: Global Supply Chain Management (G) | TWC 411: Principles of Visual Communication (L) |
| MKT 396: Essentials of Services Marketing | SCM 485: Business and Sustainability II | TWC 422: Social Media in the Workplace |
| MKT 397: Essentials of Global Marketing | | TWC 431: Principles of Technical Editing |
| MKT 398: Essentials of Sports Business | | TWC 435: Global Issues in Technical Communication (G) |

| Technological Entrepreneurship and Management Specialization (choose four courses) - offered at Poly | Tourism Specialization (one required course, choose three courses) - offered as iCourses | Interdisciplinary Business Studies Specialization (choose four courses) |
|---|---|---|
| TEM 200: My Technology Venture | **Required:** | AGB 100: Introduction to Agribusiness |
| TEM 301: Applied Social Entrepreneurship II | TDM 205: Introduction to Travel and Tourism (G) | AGB 250: Economics of Resource Allocation: Food and Agriculture |
| TEM 400: Technology Entrepreneurship | **Choose three courses:** | AGB 321: Agribusiness Marketing |
| TEM 431: Innovation Management | TDM 345: Meeting and Convention Planning | AGB 333: Agribusiness Finance |
| TEM 450: Design for the Developing World | TDM 350: Tourism, Recreation and Sports Marketing | AGB 366: Food System Technology Innovations |
| TEM 455: Global Impact Entrepreneurship | TDM 386: Convention Sales and Management | AGB 370: Food Retailing Strategy Development and Case Competition |
| TMC 498: Pro-Seminar (L) | TDM 448: Heritage and Cultural Tourism | AGB 410: Agribusiness Management |
| | TDM 458: International Tourism (G) | AGB 414: Food and Agribusiness Policy Issues (L) |
| | TDM 475: Entrepreneurial Recreation and Tourism | AGB 420: Food Advertising and Promotion |
| | TDM 480: Sustainable Tourism | AGB 425: Food Supply Networks |
| | TDM 483: Sports Tourism | AGB 435: Commodity Futures and Options Markets |
| | | AGB 445: Food Retailing |
| | | AGB 452: Global Food and Agricultural Trade |
| | | CIS 235: Introduction to Information Systems |
| | | CIS 300: Web Design and Development |
| | | CIS 311: Business Agile Project Management |

- CIS 312: Business Mobile Commerce and Monetization
- COM 100: Introduction to Human Communication (SB)
- COM 225: Public Speaking (L) or COM 259: Communication in Business and the Professions or COM 319: Persuasion and Social Influence (SB) or COM 400: Communication in Professions
- COM 312: Communication, Conflict, and Negotiation
- COM 316: Gender and Communication (SB & C)
- COM 430: Leadership in Group Communication
- DST 101: Introduction to Disability Studies (C)
- DST 494: Disability and Aesthetics
- ENG 311: Persuasive Writing (L)
- ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)
- ETH 430: Gender on the Borderlands (SB & G)
- HCD 303: Global Health Care Systems (G)
- HCD 330: Health Care Systems in the U.S.
- HCD 420: Population Health Management
- HCI 311: Health Innovation: Foundational Concepts
- HCI 421: Health Care Policy: The Innovator's View
- HCI 425: Facilitating Innovation to Achieve Outcomes
- HCI 428: Technology: A Tool to Advance Innovation in Health Care
- HSE 101: Introduction to Human Systems Engineering (SB)
- HSE 323: Perceptual Systems (SB)
- HSE 324: Applied Cognitive Science (SB)
- HSE 325: Human-Computer Interaction
- HSE 422: Human Factors in Sport
- HSE 423: Human Factors in Transportation
- HSE 424: Human Automation Interaction

HSE 425: Human Factors in Medical Systems

HSE 426: Training and Expertise

HSE 427: Designing for Learning

HSE 428: Judgment and Decision Making

HSE 429: Product Design and Evaluation

MED 300: Historical and Contemporary Issues in Health (L)

MED 320: Applied Medical/Health Care Ethics (HU)

MED 450: Leadership and Professionalism

Interdisciplinary Business Studies Specialization Continued

MGT 310: Collaborative Team Skills

MGT 400: Cross-Cultural Management (C & G)

MGT 411: Leading Organizations

MGT 420: Human Resource Management

MGT 421: Compensation in Organizations

MGT 422: Staffing

MGT 423: Training and Development in Organizations

MGT 424: Employment Law

MGT 425: Global Human Resources

MKT 391: Essentials of Selling

MKT 392: Essentials of Business Marketing

MKT 395: Essentials of Advertising and Marketing Communication

MKT 396: Essentials of Services Marketing

MKT 397: Essentials of Global Marketing

MKT 398: Essentials of Sports Business

PMG 320: Project Approaches

PMG 321: Project Leadership, Strategy and Scope

PMG 322: Project Schedule Management

PMG 323: Project Cost Management

PMG 324: Resources in Project Management

PMG 326: Project Procurement Management

PMG 421: Project Risk Management

PMG 422: Project Quality Management

SCM 294: Society, the Supply Chain and You

SCM 385: Business and Sustainability I

SCM 463: Global Supply Chain Management (G)

SCM 485: Business and Sustainability II

SOC 426: Social Inequalities (SB)

TDM 205: Introduction to Travel and Tourism (G)

TDM 345: Meeting and Convention Planning

TDM 350: Tourism, Recreation and Sports Marketing

TDM 386: Convention Sales and Management

TDM 448: Heritage and Cultural Tourism

TDM 458: International Tourism (G)

TDM 475: Entrepreneurial Recreation and Tourism

TDM 480: Sustainable Tourism

TDM 483: Sports Tourism

TEM 200: My Technology Venture

TEM 301: Applied Social Entrepreneurship II

TEM 400: Technology Entrepreneurship

TEM 431: Innovation Management

TEM 450: Design for the Developing World

TEM 455: Global Impact Entrepreneurship

TGM 101: Principles of Global Management (G)

TGM 312: Big Data in the Global Economy

TGM 460: Global Risk Assessment and Management

TGM 468: States and Markets in a Global Economy (SB & G)

TGM 478: Cross-Cultural Communication and Negotiation

TMC 498: Pro-Seminar (L)

TWC 301: Fundamentals of Writing for Digital Media (L)

TWC 401: Fundamentals of Technical Communication (L)

TWC 411: Principles of Visual Communication (L)

TWC 422: Social Media in the Workplace

TWC 431: Principles of Technical Editing

TWC 435: Global Issues in Technical Communication (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Business and Technology Solutions, BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BAAPBTSBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time student. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club or organization.<br>• Create your first college resume. |
| MAT 117: College Algebra (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 22.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Explore student leadership opportunities in W. P. Carey.<br>• The Digital Business Innovation track requires a higher level math course. Students interested in this track are recommended to take MAT 210, 211, 270, or 271 in place of an Elective in Term 2A.<br>• Students with an internship or apprenticeship may use WPC 484 in place of electives. A max of 12 credits total can be earned through WPC 484 (three credits per term/class). |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 2 - B 22.25 - 30.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Research study abroad opportunities recommended for your major. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 1 | | |

| | | |
|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 8 | |

| Term 3 - A 30.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C | • Explore career resources.<br>• Develop your professional online presence.<br>• Meet with your W. P. Carey Career Coach.<br>• Attend W. P. Carey and ASU Career Fairs. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 10 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Students with an internship or apprenticeship may use WPC 484 in place of electives. A max of 12 credits total can be earned through WPC 484 (three credits per term/class). |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 52.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the requirements and options. |
| Specialization #1 Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 52.50 - 61.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 380: Management and Strategy | 3 | C | • Apply for internships or create one.<br>• Students with an internship or apprenticeship may use WPC 484 in place of electives. A max of 12 credits total can be earned through WPC 484 (three credits per term/class). |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 61.50 - 67.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 390: Essentials of Marketing | 3 | C | • Meet with your W. P. Carey Career Coach.<br>• Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the requirements and options. |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Specialization #2 Course | 3 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 67.75 - 76.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 302: Business Writing (L) | 3 | C | • Update your resume. |
| CIS 308: Advanced Excel in Business | 3 | C | |

| | | |
|---|---|---|
| Upper Division Specialization #1 Course | 3 | C |
| ★ Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 9 | |

- Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the requirements and options.

| Term 6 - A 76.75 - 85.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AGB 302: International Management and Agribusiness (G) OR MGT 302: Principles of International Business (G) | 3 | C | • Complete informational interviews.<br>• Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the requirements and options. |
| CIS 309: Business Process Management | 3 | C | |
| Upper Division Specialization #1 Course | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 85.75 - 91.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 382: Accounting and Financial Analysis | 3 | C | • Complete an in-person or virtual practice interview with your W. P. Carey Career Coach.<br>• Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the requirements and options. |
| Upper Division Specialization #2 Course | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s) | 0 | | |
| ★ Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 91.75 - 100.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Specialization #2 Course | 3 | C | • All Upper Division Business Foundation classes (ACC 382, FIN 380, MKT 390, MGT 380, SCM 380, and AGB 302 or MGT 302) must be completed before enrolling in WPC 460.<br>• Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the requirements and options. |
| CIS 310: Business Data Visualization | 3 | C | |
| SCM 380: Supply Chain Management Foundations | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 100.75 - 107.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIN 380: Personal Financial Management | 3 | C | • Attend W. P. Carey and ASU Career Fairs.<br>• Gather professional references.<br>• Update your resume.<br>• Students with an internship or apprenticeship may use WPC 484 in place of electives. A max of 12 credits total can be earned through WPC 484 (three credits per term/class). |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Elective OR WPC 484: Internship | 3 | | |
| ★ Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - A 107.00 - 113.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 405: Business Intelligence | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Specialization #1 Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 113.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | WPC 460: Business Capstone | 1 | C |
| | Upper Division Specialization #2 Course | 3 | C |
| | Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| ★ | Minimum 2.00 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 7 | |

- Students select two specializations from the lists at the bottom of the major map and complete four courses from each. See lists for the requirements and options.
- If students select the Interdisciplinary Business Studies Specialization track, unique courses must be taken for their second track choice.

Hide Course List(s)/Track Group(s)

| Communication Specialization (complete four courses) | Digital Business Innovation Specialization (complete four courses) | Food Industry Management Specialization (choose four courses) |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) | CIS 235: Introduction to Information Systems | AGB 250: Economics of Resource Allocation: Food and Agriculture |
| COM 312: Communication, Conflict, and Negotiation | CIS 300: Web Design and Development | AGB 370: Food Retailing Strategy Development and Case Competition |
| COM 316: Gender and Communication (SB & C) | CIS 311: Business Agile Project Management | AGB 420: Food Advertising and Promotion |
| COM 430: Leadership in Group Communication | CIS 312: Business Mobile Commerce and Monetization | AGB 425: Food Supply Networks |
| | | AGB 435: Commodity Futures and Options Markets |
| | | AGB 445: Food Retailing |

| Global Management Specialization (one required course, choose three courses) | Health Care Innovation Specialization (complete four courses) | Human Resource Management Specialization (one required course, choose three courses) |
|---|---|---|
| **Required course:** | HCI 311: Health Innovation: Foundational Concepts | **Required:** |
| TGM 101: Principles of Global Management (G) | HCI 421: Health Care Policy: The Innovator's View | MGT 420: Human Resource Management |
| **Choose three courses:** | HCI 425: Facilitating Innovation to Achieve Outcomes | **Choose three other courses:** |
| TGM 312: Big Data in the Global Economy | HCI 428: Technology: A Tool to Advance Innovation in Health Care | MGT 421: Compensation in Organizations |
| TGM 460: Global Risk Assessment and Management | | MGT 422: Staffing |
| TGM 468: States and Markets in a Global Economy (SB & G) | | MGT 423: Training and Development in Organizations |
| TGM 478: Cross-Cultural Communication and Negotiation | | MGT 424: Employment Law |
| | | MGT 425: Global Human Resources |

| Human Systems Engineering Specialization (one required course, choose three courses) | Project Management Specialization (one required course, choose three courses) | Sales and Marketing Essentials Specialization (choose four courses) |
|---|---|---|
| **Required course:** | **Required course:** | MKT 391: Essentials of Selling |
| | | MKT 392: Essentials of Business Marketing |

HSE 101: Introduction to Human Systems Engineering (SB)

**Choose three courses:**

HSE 323: Perceptual Systems (SB)

HSE 324: Applied Cognitive Science (SB)

HSE 325: Human-Computer Interaction

HSE 422: Human Factors in Sport

HSE 423: Human Factors in Transportation

HSE 424: Human Automation Interaction

HSE 425: Human Factors in Medical Systems

HSE 426: Training and Expertise

HSE 427: Designing for Learning

HSE 428: Judgment and Decision Making

HSE 429: Product Design and Evaluation

PMG 240: Introduction to Project Management

**Choose three courses:**

PMG 321: Project Leadership, Strategy and Scope

PMG 322: Project Schedule Management

PMG 324: Resources in Project Management

PMG 326: Project Procurement Management

PMG 421: Project Risk Management

PMG 422: Project Quality Management

MKT 395: Essentials of Advertising and Marketing Communication

MKT 396: Essentials of Services Marketing

MKT 397: Essentials of Global Marketing

MKT 398: Essentials of Sports Business

Supply Chain Management & Sustainability (complete four courses)

SCM 294: Society, the Supply Chain and You

SCM 385: Business and Sustainability I

SCM 463: Global Supply Chain Management (G)

SCM 485: Business and Sustainability II

Technical Communication Specialization (choose four courses)

TWC 301: Fundamentals of Writing for Digital Media (L)

TWC 401: Fundamentals of Technical Communication (L)

TWC 411: Principles of Visual Communication (L)

TWC 422: Social Media in the Workplace

TWC 431: Principles of Technical Editing

TWC 435: Global Issues in Technical Communication (G)

Technological Entrepreneurship and Management Specialization (choose four courses)

TEM 200: My Technology Venture

TEM 301: Applied Social Entrepreneurship II

TEM 400: Technology Entrepreneurship

TEM 431: Innovation Management

TEM 450: Design for the Developing World

TEM 455: Global Impact Entrepreneurship

TMC 498: Pro-Seminar (L)

Tourism Specialization (one required course, choose three courses)

**Required:**

TDM 205: Introduction to Travel and Tourism (G)

**Choose three courses:**

TDM 345: Meeting and Convention Planning

TDM 350: Tourism, Recreation and Sports Marketing

TDM 386: Convention Sales and Management

TDM 448: Heritage and Cultural Tourism

TDM 458: International Tourism (G)

Interdisciplinary Business Studies Specialization (choose four courses)

AGB 250: Economics of Resource Allocation: Food and Agriculture

AGB 370: Food Retailing Strategy Development and Case Competition

AGB 420: Food Advertising and Promotion

AGB 425: Food Supply Networks

AGB 435: Commodity Futures and Options Markets

AGB 445: Food Retailing

CIS 235: Introduction to Information Systems

CIS 300: Web Design and Development

TDM 475: Entrepreneurial Recreation and Tourism

TDM 480: Sustainable Tourism

TDM 483: Sports Tourism

CIS 311: Business Agile Project Management

CIS 312: Business Mobile Commerce and Monetization

COM 100: Introduction to Human Communication (SB)

COM 312: Communication, Conflict, and Negotiation

COM 400: Communication in Professions

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

HCI 311: Health Innovation: Foundational Concepts

HCI 421: Health Care Policy: The Innovator's View

HCI 425: Facilitating Innovation to Achieve Outcomes

HCI 428: Technology: A Tool to Advance Innovation in Health Care

HSE 101: Introduction to Human Systems Engineering (SB)

HSE 323: Perceptual Systems (SB)

HSE 324: Applied Cognitive Science (SB)

HSE 325: Human-Computer Interaction

HSE 422: Human Factors in Sport

HSE 423: Human Factors in Transportation

HSE 424: Human Automation Interaction

HSE 425: Human Factors in Medical Systems

HSE 426: Training and Expertise

HSE 427: Designing for Learning

HSE 428: Judgment and Decision Making

HSE 429: Product Design and Evaluation

MGT 420: Human Resource Management

MGT 421: Compensation in Organizations

MGT 422: Staffing

MGT 423: Training and Development in Organizations

MGT 424: Employment Law

MGT 425: Global Human Resources

MKT 391: Essentials of Selling

MKT 392: Essentials of Business Marketing

MKT 395: Essentials of Advertising and Marketing Communication

MKT 396: Essentials of Services Marketing

MKT 397: Essentials of Global Marketing

MKT 398: Essentials of Sports Business

PMG 320: Project Approaches

PMG 321: Project Leadership, Strategy and Scope

PMG 322: Project Schedule Management

PMG 324: Resources in Project Management

PMG 326: Project Procurement Management

PMG 421: Project Risk Management

PMG 422: Project Quality Management

SCM 294: Society, the Supply Chain and You

SCM 385: Business and Sustainability I

SCM 463: Global Supply Chain Management (G)

SCM 485: Business and Sustainability II

TDM 205: Introduction to Travel and Tourism (G)

TDM 345: Meeting and Convention Planning

TDM 350: Tourism, Recreation and Sports Marketing

TDM 386: Convention Sales and Management

TDM 448: Heritage and Cultural Tourism

TDM 458: International Tourism (G)

TDM 475: Entrepreneurial Recreation and Tourism

TDM 480: Sustainable Tourism

TDM 483: Sports Tourism

TEM 200: My Technology Venture

TEM 301: Applied Social Entrepreneurship II

TEM 400: Technology Entrepreneurship

TEM 431: Innovation Management

TEM 450: Design for the Developing World

TEM 455: Global Impact Entrepreneurship

| |
|---|
| TGM 101: Principles of Global Management (G) |
| TGM 312: Big Data in the Global Economy |
| TGM 460: Global Risk Assessment and Management |
| TGM 468: States and Markets in a Global Economy (SB & G) |
| TGM 478: Cross-Cultural Communication and Negotiation |
| TMC 498: Pro-Seminar (L) |
| TWC 301: Fundamentals of Writing for Digital Media (L) |
| TWC 401: Fundamentals of Technical Communication (L) |
| TWC 411: Principles of Visual Communication (L) |
| TWC 431: Principles of Technical Editing |
| TWC 435: Global Issues in Technical Communication (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business, BA

School/College: W. P. Carey School of Business
Location: Polytechnic, Tempe, West
BABUSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Complete the me3 career interest tool<br>• Join a student club or organization |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and instead will complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Milestone: Selection of a concentration | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs
- Must declare concentration by end of term 3

- Not selectable as an ASU admission option.
- Change of major into this program is not allowed.
- Must declare concentration by the end of Term 3.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) |
|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 47.5
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Business Administration), BA

School/College: W. P. Carey School of Business
Location: Polytechnic, West, ASU at Lake Havasu, ASU at The Gila Valley
BABUSBABA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time freshman.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track).<br>• Students will complete MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in Term 1.<br>• Join a student club or organization.<br>• Create your first college resume. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will complete MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in Term 2.<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey.<br>• Research study abroad opportunities recommended for your major. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 62.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 2 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs.
- Apply for internships or create one.

| **Term 5 62.50 - 77.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15.25 | | |

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach.
- Update your resume.

| **Term 6 77.75 - 92.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MGT 411: Leading Organizations | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division International Business Elective AND Global Awareness (G) | 3 | C | |
| Upper Division Track Course | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- For the Upper Division Track Course requirement, students should choose one of the tracks below: Business Administration, Healthy Lifestyles Coaching, or Human Resources (Poly campus only). Students will eventually complete three courses (nine credit hours) from the same track.
- Complete informational interviews.
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach .

| **Term 7 92.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ BUS 384: Business Operations and Planning | 3 | C | |
| FIN 300: Fundamentals of Finance | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

- All upper division Business Core classes (including International Business course) must be completed before enrolling in WPC 470
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume
- Meet with your academic advisor to discuss your internship course options

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ WPC 470: Business Administration Capstone | 3 | C | • Students should complete their remaining Track Courses from the track previously chosen in Term 6.<br>• Apply for full-time career opportunities. |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| *Complete 2 courses:*<br>Upper Division Track Course | 6 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

- For the Upper Division Track Course requirement, students should choose one of the tracks below: Business Administration, Healthy Lifestyles Coaching, or Human Resources (offered only at the Poly campus). Students must complete three courses (nine credit hours) from the same track.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

| Business Administration Track Courses | Healthy Lifestyles Coaching Track Courses | Human Resources Track Courses (offered at Poly campus only) |
|---|---|---|
| AGB 414: Food and Agribusiness Policy Issues (L) | CHS 300: An Exploration of Well-Being (SB) | **Required:** |
| AGB 420: Food Advertising and Promotion | CHS 340: Health Theory | MGT 420: Human Resource Management |
| AGB 425: Food Supply Networks | EXW 101: Foundations of Health and Fitness Science | **Choose two other courses:** |
| AGB 435: Commodity Futures and Options Markets | EXW 335: Physical Activity and Physiological Concepts | MGT 421: Compensation in Organizations |
| AGB 445: Food Retailing | EXW 400: Stress Management for Wellness | MGT 422: Staffing |
| | HEP 380: Body Image and Wellness | MGT 423: Training and Development in Organizations |

AGB 452: Global Food and Agricultural Trade

AGB 456: Food Product Innovation and Development

AGB 481: Strategic Pricing in Food Markets

BUS 424: Sales and Negotiations

BUS 434: Business Risk Management

COM 353: Professional Communication

MGT 400: Cross-Cultural Management (C & G)

MGT 420: Human Resource Management

MGT 421: Compensation in Organizations

MGT 422: Staffing

MGT 423: Training and Development in Organizations

MGT 424: Employment Law

MGT 425: Global Human Resources

MGT 426: HR Consulting Projects

MGT 430: Negotiations

PHI 360: Business and Professional Ethics (HU)

PSY 304: Effective Thinking (L)

SCM 354: Procurement of Services

SCM 385: Business and Sustainability I

TMC 320: Funding the Enterprise

TWC 422: Social Media in the Workplace

HSC 355: Eating for Lifelong Health (SB)

HSC 440: Health Coaching Concepts and Skills

NTR 100: Introduction to Nutrition Science

NTR 241: Human Nutrition

SSP 320: Coaching Leadership, Performance Team and Facility Management

MGT 424: Employment Law

MGT 425: Global Human Resources

MGT 426: HR Consulting Projects

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Business Administration), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSBABA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.<br>• Create your first college resume. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track).<br>• Students will complete MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in Term 1B.<br>• Join a student club or organization. |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will complete MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in Term 2A.<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major. |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |

| | | |
|---|---|---|
| PSY course (SB) | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 55.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SCM 300: Global Supply Operations | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 68.75 - 77.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BUS 384: Business Operations and Planning | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 77.75 - 84.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 300: Marketing and Business Performance | 3 | C | • Complete informational interviews |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 84.75 - 93.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 300: Fundamentals of Finance | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| ★ LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division International Business Elective AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 93.75 - 99.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Track Course | 3 | C | • For the Upper Division Track Course requirement, students should choose from the Business Administration Track below.<br>• Attend W. P. Carey and ASU Career Fairs. |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 99.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 411: Leading Organizations | 3 | C | • Students should continue taking courses from the Business Administration Track.<br>• Gather professional references.<br>• Update your resume. |
| ★ Upper Division Track Course | 3 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 8 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Track Course | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 470: Business Administration Capstone | 3 | C | • All upper division business core classes (including International Business course) must be completed before enrolling in WPC 470. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

- For the Upper Division Track Course requirement, students must complete three courses (nine credit hours) from the Business Administration Track.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) |
|---|
| MAT 117: College Algebra (MA) |
| MAT 210: Brief Calculus (MA) |

| MAT 210 Track (dependent on the student's math placement) |
|---|
| MAT 210: Brief Calculus (MA) |
| MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) |

| Upper Division International Business Course - select one |
|---|
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

| Business Administration Track Courses |
|---|
| AGB 420: Food Advertising and Promotion |
| AGB 425: Food Supply Networks |
| AGB 435: Commodity Futures and Options Markets |
| AGB 445: Food Retailing |
| AGB 456: Food Product Innovation and Development |
| AGB 481: Strategic Pricing in Food Markets |
| MGT 400: Cross-Cultural Management (C & G) |
| MGT 420: Human Resource Management |
| MGT 430: Negotiations |
| PHI 360: Business and Professional Ethics (HU) |
| SCM 354: Procurement of Services |
| SCM 385: Business and Sustainability I |
| TMC 320: Funding the Enterprise |
| TWC 422: Social Media in the Workplace |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Communication), BA

School/College: W. P. Carey School of Business
Location: Polytechnic, Tempe, West, ASU at Lake Havasu
BABUSCBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track).<br>• Students will complete MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in Term 1.<br>• Join a student club or organization.<br>• Create your first college resume. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will complete MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in Term 2.<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey.<br>• Research study abroad opportunities recommended for your major. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |
| COM 100: Introduction to Human Communication (SB) | 3 | C | |

| | | |
|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C |
| COM 230: Small Group Communication (SB) | 3 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| COM 259: Communication in Business and the Professions | 3 | C |
| ENG 302: Business Writing (L) | 3 | |
| MKT 300: Marketing and Business Performance | 3 | C |
| SCM 300: Global Supply Operations | 3 | C |
| WPC 348: Junior Networking Foundations | 0.25 | C |
| Upper Division Elective | 3 | |
| Term hours subtotal: | 15.25 | |

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach.
- Update your resume.

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| COM 312: Communication, Conflict, and Negotiation | 3 | C |
| COM 400: Communication in Professions OR COM 451: Communication and Work Relationships | 3 | C |
| MGT 300: Principles of Management and Leadership | 3 | C |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach
- COM 400 cannot be taken with "Communication Conflict and Negotiation" or "Conflict and Negotiation" titles

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| COM 430: Leadership in Group Communication | 3 | C |
| FIN 300: Fundamentals of Finance | 3 | C |
| Upper Division Elective OR WPC 484: Internship | 3 | |
| Upper Division Elective | 2 | |

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| | | | |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | • Meet with your academic advisor to discuss your internship course options |
| Term hours subtotal: | 14 | | |

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM 453: Communication Training and Development | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Business (Communication), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSCBA

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. W. P. Carey students take WPC 101 to fulfill this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track).<br>• Students will complete MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in Term 1.<br>• Join a student club or organization. |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will complete MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in Term 2.<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit. |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

- Research study abroad opportunities recommended for your major.

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 55.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 230: Small Group Communication (SB) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| ECN 221: Business Statistics (CS) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 259: Communication in Business and the Professions | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 68.75 - 77.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ENG 302: Business Writing (L) | 3 | | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 77.75 - 83.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM 312: Communication, Conflict, and Negotiation | 3 | C | • Complete informational interviews |
| SCM 300: Global Supply Operations | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 83.75 - 92.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 400: Communication in Professions | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach<br>• COM 400 cannot be "Communication Conflict and Negotiation" or "Conflict and Negotiation" titles |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 92.75 - 99.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIN 300: Fundamentals of Finance | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 7 - B 99.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM 430: Leadership in Group Communication | 3 | C | • Gather professional references<br>• Update your resume |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 8 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM 453: Communication Training and Development | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Corporate Accounting), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSCABA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ACC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Join the W. P. Carey mentorship programs<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| | | Minimum | |
|---|---|---|---|

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| PSY course (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 55.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU Career Fairs<br>• Apply for internships or create one |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 310: Intermediate Accounting for Corporate Accountants | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 68.75 - 77.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ★ ACC 320: Management Accounting for Corporate Accountants I | 3 | C |
| LES 305: Business Law and Ethics for Managers | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Term hours subtotal: | 9 | |

| **Term 6 - A 77.75 - 86.75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ ACC 354: Governance, Risk, Compliance Internal Controls and Ethics | 3 | C | • Complete informational interviews |
| ENG 302: Business Writing (L) | 3 | | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| Term hours subtotal: | 9 | | |

| **Term 6 - B 86.75 - 92.75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ ACC 410: Financial Statement Analysis | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| **Term 7 - A 92.75 - 98.75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ ACC 420: Management Accounting for Corporate Accountants II | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| FIN 300: Fundamentals of Finance | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 7 - B 98.75 - 105.75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ ACC 454: Taxes for Corporate Accountants | 3 | C | • Gather professional references<br>• Update your resume |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| **Term 8 - A 105.75 - 112.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ WPC 448: Senior Career Transition Management | 0.25 | C | • Apply for full-time career opportunities |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6.25 | | |

| **Term 8 - B 112.00 - 120.00 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 8 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Financial Planning), BA

School/College: W. P. Carey School of Business
Location: Tempe
BABUSFPBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| PSY course (SB) | 3 | |
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15.25 | |

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 46.50 - 62.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Elective | 3 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 62.50 - 77.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| FIN 300: Fundamentals of Finance | 3 | C |
| FIN 380: Personal Financial Management | 3 | C |
| ENG 302: Business Writing (L) | 3 | |
| MKT 300: Marketing and Business Performance | 3 | C |
| SCM 300: Global Supply Operations | 3 | C |
| WPC 348: Junior Networking Foundations | 0.25 | C |
| Term hours subtotal: | 15.25 | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6 77.75 - 92.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| FIN 385: Personal Insurance Planning | 3 | C |
| FIN 386: Estate Planning Strategies | 3 | C |
| LES 305: Business Law and Ethics for Managers | 3 | C |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| **Term 7 92.75 - 106.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACC 435: Personal Tax Management and Planning | 3 | C |
| FIN 420: Personal Portfolio Management | 3 | C |
| MGT 300: Principles of Management and Leadership | 3 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| | | |
|---|---|---|
| Upper Division Elective | 2 | |
| Term hours subtotal: | 14 | |

| Term 8 106.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 460: Personal Finance Cases and Modeling | 3 | C | • Apply for full-time career opportunities |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| WPC 484: Internships & Applied Academics OR Upper Division Elective | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 13.25 | | |

- Students cannot share the Upper Division International Business Elective with concentration course requirements.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Business (Financial Planning), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSFPBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit. |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

- Research study abroad opportunities recommended for your major

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| PSY course (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 53.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 53.50 - 60.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60.50 - 66.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIN 300: Fundamentals of Finance | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| ENG 302: Business Writing (L) | 3 | | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 66.75 - 75.75 Credit Hours Necessary course signified | | Minimum | |
|---|---|---|---|

| by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ FIN 380: Personal Financial Management | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 9 | | |

| **Term 6 - A 75.75 - 81.75 Credit Hours Necessary course signified by ★** | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 385: Personal Insurance Planning | 3 | C | • Complete informational interviews |
| MKT 300: Marketing and Business Performance | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 6 - B 81.75 - 90.75 Credit Hours Necessary course signified by ★** | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 386: Estate Planning Strategies | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| **Term 7 - A 90.75 - 96.75 Credit Hours** | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by ★** | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 420: Personal Portfolio Management | 3 | C | • Gather professional references<br>• Update your resume |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| **Term 8 - A 105.75 - 112.00 Credit Hours Necessary course signified by ★** | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ACC 435: Personal Tax Management and Planning | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR WPC 484: Internships & Applied Academics | 3 | | |
| Term hours subtotal: | 6.25 | | |

| **Term 8 - B 112.00 - 120.00 Credit Hours Necessary course signified by ★** | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 460: Personal Finance Cases and Modeling | 3 | C | |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |

Term hours subtotal: 8

- Students cannot share the Upper Division International Business Elective with concentration course requirements.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Food Industry Management), BA

School/College: W. P. Carey School of Business
Location: Polytechnic
BABUSFIMBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| AGB 100: Introduction to Agribusiness | 3 | C | |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | | |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | • New transfer students will take WPC 347<br>• Explore career resources<br>• Develop your professional online presence<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| ECN 221: Business Statistics (CS) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16.25 | | |

| Term 4 47.50 - 63.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| AGB 250: Economics of Resource Allocation: Food and Agriculture | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63.50 - 78.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIN 300: Fundamentals of Finance | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| MKT 300: Marketing and Business Performance | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15.25 | | |

| Term 6 78.75 - 93.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AGB 420: Food Advertising and Promotion | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| AGB 425: Food Supply Networks | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) ( AGB 302 recommended) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93.75 - 107.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ AGB 435: Commodity Futures and Options Markets | 3 | C | |
| ★ AGB 456: Food Product Innovation and Development | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division Elective OR AGB 484: Internship OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14 | | |

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume
- Meet with your academic advisor to discuss your internship course options

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AGB 445: Food Retailing | 3 | C | • Apply for full-time career opportunities |
| ★ AGB 481: Strategic Pricing in Food Markets | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Food Industry Management), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSFIMBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college specific First Year Seminar is required for all first-year students. W. P. Carey students take WPC 101 to fulfill this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AGB 100: Introduction to Agribusiness | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| **Term 3 - A 31.25 - 40.25 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| PSY course (SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 9 | | |

| **Term 3 - B 40.25 - 47.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7.25 | | |

| **Term 4 - A 47.50 - 53.50 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AGB 250: Economics of Resource Allocation: Food and Agriculture | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| ECN 221: Business Statistics (CS) | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 4 - B 53.50 - 60.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| **Term 5 - A 60.50 - 66.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MKT 300: Marketing and Business Performance | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| **Term 5 - B 66.75 - 75.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |

| | | | |
|---|---|---|---|
| SOC course (SB) | 3 | | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| Term hours subtotal: | 9 | | |

| Term 6 - A 75.75 - 80.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | • Complete informational interviews |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 5 | | |

| Term 6 - B 80.75 - 89.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AGB 420: Food Advertising and Promotion | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| ★ FIN 300: Fundamentals of Finance | 3 | C | |
| ★ Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 89.75 - 98.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AGB 456: Food Product Innovation and Development | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 98.75 - 104.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AGB 435: Commodity Futures and Options Markets | 3 | C | • Gather professional references<br>• Update your resume |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 104.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AGB 445: Food Retailing | 3 | C | • Apply for full-time career opportunities |
| ★ AGB 481: Strategic Pricing in Food Markets | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 9.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AGB 425: Food Supply Networks | 3 | C | |
| Upper Division Elective OR AGB 484: Internship OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Uper Division International Business Course-select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Global Agribusiness), BA

School/College: W. P. Carey School of Business
Location: Polytechnic
BABUSGAGBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade |
|---|---|---|
| WPC 101: Student Success in Business | 1 | |
| AGB 100: Introduction to Agribusiness | 3 | C |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C |
| SOC course (SB) | 3 | |
| Term hours subtotal: | 16 | |

- ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.
- Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track).
- Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1.
- Join a student club or organization.
- Create your first college resume.

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade |
|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C |
| WPC 150: Business and Society | 3 | C |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C |
| PSY course (SB) | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15.25 | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2.
- WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.
- Explore student leadership opportunities in W. P. Carey.
- Research study abroad opportunities recommended for your major.

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade |
|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C |
| ECN 212: Microeconomic Principles (SB) | 3 | C |

- Continuing first-year students will take WPC 248, after completing WPC 148.

| | | |
|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Natural Science - Quantitative (SQ) ( BIO 100 recommended) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347,
- Explore career resources.
- Develop your professional online presence .
- Meet with your W. P. Carey Career Coach .
- Attend W. P. Carey and ASU Career Fairs.

| **Term 4 47.50 - 62.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C |
| AGB 250: Economics of Resource Allocation: Food and Agriculture | 3 | C |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| Cultural Diversity in the U.S. (C) | 3 | |
| Humanities, Arts and Design (HU) | 3 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

**Notes**

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 62.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| FIN 300: Fundamentals of Finance | 3 | C |
| ENG 302: Business Writing (L) | 3 | |
| MKT 300: Marketing and Business Performance | 3 | C |
| SCM 300: Global Supply Operations | 3 | C |
| WPC 348: Junior Networking Foundations | 0.25 | C |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Term hours subtotal: | 16.25 | |

**Notes**

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| AGB 321: Agribusiness Marketing | 3 | C |
| BUS 434: Business Risk Management OR AGB 333: Agribusiness Finance | 3 | C |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C |
| Upper Division International Business Course AND Global Awareness (G) ( AGB 302 recommended) | 3 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

**Notes**

- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| AGB 410: Agribusiness Management | 3 | C |
| AGB 435: Commodity Futures and Options Markets | 3 | C |

**Notes**

- Attend W. P. Carey and ASU Career Fairs

| | | |
|---|---|---|
| ★ AGB 452: Global Food and Agricultural Trade | 3 | C |
| LES 305: Business Law and Ethics for Managers | 3 | C |
| Upper Division Elective | 2 | |
| Term hours subtotal: | 14 | |

- Gather professional references
- Update your resume

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AGB 414: Food and Agribusiness Policy Issues (L) | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR AGB 484: Internship OR WPC 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Business (Global Leadership), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSGBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.<br>• Join a student club or organization |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| PSY course (SB) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 52.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 52.50 - 59.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 59.50 - 65.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 300: Marketing and Business Performance | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| ENG 302: Business Writing (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 74.75 - 80.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 486: International Political Economy (SB & G) OR POS 350: Comparative Politics (SB & G) | 3 | C | • Complete an in person or virtual practice interview |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 80.75 - 88.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division International Business Course AND Global Awareness (G) | 3 | C | • Cannot share Upper Division International Business Elective with concentration course requirements.<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| FIN 300: Fundamentals of Finance | 3 | C | |
| Upper Division Elective | 2 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 8 | | |

| Term 7 - A 88.75 - 95.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Global Leadership Elective | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 7 - B 95.75 - 104.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 411: Leading Organizations | 3 | C | • Gather professional references<br>• Update your resume |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 104.75 - 111.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 430: Negotiations OR SCM 463: Global Supply Chain Management (G) | 3 | C | • SCM 463 cannot count as both International Business course requirement and major course. If SCM 463 is taken here, select another course to fulfill International Business course requirement.<br>• Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Global Leadership Elective | 3 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 111.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 400: Cross-Cultural Management (C & G) | 3 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) |
| --- |
| MAT 117: College Algebra (MA) |
| MAT 210: Brief Calculus (MA) |

| MAT 210 Track (dependent on the student's math placement) |
| --- |
| MAT 210: Brief Calculus (MA) |
| MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) |

| Global Leadership Electives - select two courses (6 credit hours) |
| --- |
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) |
| JUS 350: Immigration and Justice (SB & C) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| POS 350: Comparative Politics (SB & G) |
| POS 360: World Politics (SB & G) |
| POS 486: International Political Economy (SB & G) |
| SCM 463: Global Supply Chain Management (G) |
| SOC 352: Social Change (SB & G & H) |

| Upper Division International Business Course - select one course (3 credit hours) |
| --- |
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Global Logistics Management), BA

School/College: W. P. Carey School of Business
Location: West
BABUSGLBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SCM 300: Global Supply Operations | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| FIN 300: Fundamentals of Finance | 3 | C | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15.25 | | |

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SCM 354: Procurement of Services | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- Complete an in person or virtual practice interview with your W. P. Carey Career Coach
- Complete informational interviews

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SCM 314: Analytics for Logistics | 3 | C | |

- Attend W. P. Carey and ASU Career Fairs

| | | | |
|---|---|---|---|
| ★ SCM 344: Applied Logistics Management | 3 | C | • Gather professional references<br>• Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| ★ SCM 385: Business and Sustainability I | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14 | | |

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 411: Leading Organizations | 3 | C | • Apply for full-time career opportunities |
| ★ SCM 445: Advanced Logistics Management | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course-select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Global Logistics Management), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSGLBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or College specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| PSY course (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 53.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 59.50 - 65.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SCM 300: Global Supply Operations | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| ENG 302: Business Writing (L) | 3 | | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |

| | |
|---|---|
| Term hours subtotal: | 9 |

| Term 6 - A 74.75 - 81.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 354: Procurement of Services | 3 | C | • Complete informational interviews |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 81.75 - 90.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 300: Fundamentals of Finance | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 90.75 - 96.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 314: Analytics for Logistics | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| ★ SCM 385: Business and Sustainability I | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 411: Leading Organizations | 3 | C | • Gather professional references<br>• Update your resume |
| ★ SCM 344: Applied Logistics Management | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 445: Advanced Logistics Management | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 8.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

- Students cannot share Upper Division International Business Elective with concentration course requirements.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course-select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Global Politics), BA

School/College: W. P. Carey School of Business
Location: Tempe
BABUSGPBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit..<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 62.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Global Politics Concentration Course - Comparative Politics | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 2 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 5 62.50 - 77.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Global Politics Concentration Course - Global Issues and Problems | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| ENG 302: Business Writing (L) | 3 | | |
| FIN 300: Fundamentals of Finance | 3 | C | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15.25 | | |

| **Term 6 77.75 - 92.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Global Politics Concentration Course - World Politics | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach<br>• Meet with your academic advisor to discuss your internship course options |
| POS 350: Comparative Politics (SB & G) | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Upper Division Elective OR POS 484: Internship OR WPC 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 92.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| POS 360: World Politics (SB & G) | 3 | C | • Attend W. P. Carey and ASU Career Fairs |

| | | |
|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C |
| SCM 300: Global Supply Operations | 3 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| Upper Division Elective OR POS 484: Internship OR WPC 484: Internship | 3 | |
| Term hours subtotal: | 15 | |

- Gather professional references
- Update your resume
- Meet with your academic advisor to discuss your internship course options

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Global Politics Concentration Course - Global Issues and Problems | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR POS 484: Internship OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Global Politics Concentration (Comparative Politics) - select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | CEL 494: Political Leadership and Statesmanship |
| | | POS 150: Comparative Government (SB & G) |
| | | POS 210: Political Ideologies (SB) |
| | | POS 341: History of Political Philosophy II (HU & H) |
| | | POS 352: European Democracies |
| | | POS 358: Southeast Asia (SB & G) |
| | | POS 442: American Political Thought (HU) |
| | | POS 452: China (SB & G) |
| | | POS 453: Latin America (SB & G) |

| Global Politics Concentration (Global Issues and Problems) - select two courses (6 credit hours) | Global Politics Concentration (World Politics) - select one course (3 credit hours) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|---|
| CEL 394: Left and Right Around the World | POS 300: Contemporary Global Controversies (SB & G) | AGB 302: International Management and Agribusiness (G) |
| CEL 494: Political Thought: Islam, Hinduism, Confucianism | POS 346: Problems of Democracy (HU) | ECN 306: Survey of International Economics (SB & G) |
| POS 351: Democratization (SB & G) | POS 348: Do You Want to Build a Nation? (L) | MGT 302: Principles of International Business (G) |
| POS 361: American Foreign Policy (SB & G) | POS 443: Topics in Contemporary Political Theory (HU) | MKT 425: Global Marketing Management (G) |

| | | |
|---|---|---|
| POS 364: National Security, Intelligence, and Terrorism (SB) | POS 470: Law and the Political Order (SB) | SCM 463: Global Supply Chain Management (G) |
| POS 367: World Politics and Global Inequalities (G) | POS 475: Morality and Politics | |
| | POS 486: International Political Economy (SB & G) | |
| | SGS 101: Thinking Globally (SB & G) or SGS 301: Principles of Global Studies (G) | |
| | SGS 350: Economic Development and Globalization | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Health Care), BA

School/College: W. P. Carey School of Business
Location: West
BABUSHCBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Choose one of the available five Health Care tracks and within that track, complete at least four courses (12 credit hours).<br>• Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Business Health Care Track Course | 3 | C | |
| Term hours subtotal: | 15.25 | | |

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Business Health Care Track Course | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division International Business Elective AND Global Awareness (G) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Business Health Care Track Course | 3 | C | • All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 470<br>• Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| FIN 300: Fundamentals of Finance | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14 | | |

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 470: Business Administration Capstone | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Business Health Care Track Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Health Care Analytics - 4 courses (12 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | CIS 235: Introduction to Information Systems |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | CIS 308: Advanced Excel in Business |
| | | CIS 310: Business Data Visualization |
| | | CIS 405: Business Intelligence |

| Health Care Community - 4 courses (12 credit hours) | Health Care Coordination - 4 courses (12 credit hours) | Health Care Delivery - 4 courses (12 credit hours) |
|---|---|---|
| HCR 231: Fundamentals of Community Health | HCR 302: Social Determinants of Health | HCD 302: Health Care Management |
| HCR 335: Program Development and Management for Community Health | HCR 321: Advanced Concepts for Health Care Coordination | HCD 303: Global Health Care Systems (G) |
| HCR 430: Foundation to Health Care Systems | HCR 420: Professional Role Development: Health Care Coordination | HCD 304: Health Care Finance |
| HCR 435: Leaders in Community Health | HCR 422: Policy and Financial Principles in Health Care Coordination | HCD 330: Health Care Systems in the U.S. |
| | | HCD 401: Leadership and Professionalism |
| | | HCD 402: Health Economics |
| | | HCD 403: Process Engineering |

| Health Care Innovation - 4 courses (12 credit hours) | Upper Division International Business Course - one course (3 credit hours) |
|---|---|

| | |
|---|---|
| HCI 311: Health Innovation: Foundational Concepts | AGB 302: International Management and Agribusiness (G) |
| HCI 421: Health Care Policy: The Innovator's View | ECN 306: Survey of International Economics (SB & G) |
| HCI 425: Facilitating Innovation to Achieve Outcomes | MGT 302: Principles of International Business (G) |
| HCI 428: Technology: A Tool to Advance Innovation in Health Care | MKT 425: Global Marketing Management (G) |
| | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Human Resources), BA

School/College: W. P. Carey School of Business
Location: Polytechnic
BABUSHRBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| PSY course (SB) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15.25 | | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MGT 420: Human Resource Management | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MGT 421: Compensation in Organizations | 3 | C | |
| MGT 423: Training and Development in Organizations | 3 | C | |
| MGT 425: Global Human Resources | 3 | C | |

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| | | | |
|---|---|---|---|
| Upper Division Elective OR MGT 484: Internship | 3 | | • Meet with your academic advisor to discuss your internship course options |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14 | | |

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 422: Staffing | 3 | C | • Apply for full-time career opportunities |
| ★ MGT 424: Employment Law | 3 | C | |
| FIN 300: Fundamentals of Finance | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course-select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Human Resources), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSHRBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.<br>• Join a student club or organization. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track).<br>• Students will complete MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in Term 1. |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will complete MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in Term 2.<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major. |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| PSY course (SB) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148.<br>• New transfer students will take WPC 347.<br>• Develop your professional online presence . |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 55.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs.<br>• Apply for internships or create one. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 62.50 - 68.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 300: Marketing and Business Performance | 3 | C | • Meet with your W. P. Carey Career Coach.<br>• Update your resume. |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 68.75 - 77.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 9 | |

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.

| Term 6 - A 77.75 - 85.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 420: Human Resource Management | 3 | C | • Complete an in person or virtual practice interview. |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 8 | | |

| Term 6 - B 85.75 - 91.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division International Business Course AND Global Awareness (G) | 3 | C | • Cannot share Upper Division International Business Elective with concentration course requirements.<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach. |
| FIN 300: Fundamentals of Finance | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 91.75 - 101.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 421: Compensation in Organizations | 3 | C | • Attend W. P. Carey and ASU Career Fairs. |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 10 | | |

| Term 7 - B 101.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 423: Training and Development in Organizations | 3 | C | • Gather professional references.<br>• Update your resume. |
| ★ MGT 425: Global Human Resources | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 422: Staffing | 3 | C | • Apply for full-time career opportunities. |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 424: Employment Law | 3 | C | |
| Upper Division Elective OR WPC 484: Internships & Applied Academics | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Information Security), BA

School/College: W. P. Carey School of Business
Location: West
BABUSISBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C |
| CIS 235: Introduction to Information Systems | 3 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Elective | 3 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

**Notes**

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| CIS 325: Fundamental Techniques for Business Data Analytics | 3 | C |
| CIS 360: Business Database Concepts | 3 | C |
| ENG 302: Business Writing (L) | 3 | |
| MKT 300: Marketing and Business Performance | 3 | C |
| WPC 348: Junior Networking Foundations | 0.25 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| Term hours subtotal: | 15.25 | |

**Notes**

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACO 351: Governance, Risk and Compliance OR ACO 402: Privacy, Ethics and Compliance Issues or CIS 402: Privacy, Ethics and Compliance Issues | 3 | C |
| CIS 401: Managing Cyber Risks in Enterprise Business Processes | 3 | C |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C |
| Upper Division International Business Elective AND Global Awareness (G) | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

**Notes**

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|

| | | | |
|---|---|---|---|
| ★ ACO 330: Computer Networks | 3 | C | • Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| FIN 300: Fundamentals of Finance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14 | | |

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ FOR 350: Computer Forensics | 3 | C | • Apply for full-time career opportunities |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12.25 | | |

- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course-select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Information Security), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSISBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| PSY course (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 55.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 55.50 - 61.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 61.50 - 67.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 235: Introduction to Information Systems | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 67.75 - 76.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 325: Fundamental Techniques for Business Data Analytics | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the |

| | | | |
|---|---|---|---|
| ★ CIS 401: Managing Cyber Risks in Enterprise Business Processes | 3 | C | major. Major coursework must be unique to each degree program. |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 9 | | |

| **Term 6 - A 76.75 - 85.75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ CIS 402: Privacy, Ethics and Compliance Issues | 3 | C | • Complete informational interviews |
| ENG 302: Business Writing (L) | 3 | | |
| SCM 300: Global Supply Operations | 3 | C | |
| Term hours subtotal: | 9 | | |

| **Term 6 - B 85.75 - 91.75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ CIS 360: Business Database Concepts | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| **Term 7 - A 91.75 - 100.75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ ACO 330: Computer Networks | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| FIN 300: Fundamentals of Finance | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| **Term 7 - B 100.75 - 107.75 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Gather professional references<br>• Update your resume |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| **Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ FOR 350: Computer Forensics | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6.25 | | |

| **Term 8 - B 114.00 - 120.00 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

- Students cannot share Upper Division International Business Elective with concentration course requirements.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course-select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Language and Culture), BA

School/College: W. P. Carey School of Business
Location: Tempe, West
BABSLACUBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• ASU Language Placement: Only true beginners are eligible for 101-level language courses. Students with previous experience in the language are required to take a language placement exam.<br>• Dependent upon your language proficiency, some language tracks may require more than 120 credit hours to complete this degree.<br>• Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Language and Culture Track Course | 4-8 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 14-18 | | |

| Term 2 14 - 30.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major<br>• Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options.<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Language and Culture Track Course | 4-5 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |

Term hours subtotal: 16.25-17.25

| Term 3 30.25 - 45.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Explore career resources<br>• Develop your professional online presence<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| ECN 221: Business Statistics (CS) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Language and Culture Track Course | 3-5 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15.25-17.25 | | |

| Term 4 45.50 - 61.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| COM 263: Elements of Intercultural Communication (SB & C & G) | 3 | | |
| Language and Culture Track Course | 3-5 | C | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16-18 | | |

| Term 5 61.50 - 77.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Language and Culture Track Course AND Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB) | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| ENG 302: Business Writing (L) | 3 | C | |
| FIN 300: Fundamentals of Finance | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 16.25 | | |

| Term 6 77.75 - 92.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Language and Culture Track Course | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| MKT 300: Marketing and Business Performance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| Upper Division Language and Culture Track Course AND Literacy and Critical Inquiry (L) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92.75 - 107.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Language and Culture Track Course | 6 | C | • Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume |
| MGT 302: Principles of International Business (G) OR ECN 306: Survey of International Economics (SB & G) | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Language and Culture Track Course | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| MGT 459: International Management (G) | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division International Business Elective AND Global Awareness (G) | 3 | C | |
| Term hours subtotal: | 12.25 | | |

- 
  - Students choose one track option: Chinese, French, Italian, or Spanish. View track groups below for course options.
  - The Spanish track is available on the Tempe and West campuses.
  - The Chinese, French, and Italian tracks are only available at the Tempe campus.
  - Dependent upon your language proficiency, some language tracks may require more than 120 credit hours to complete this degree.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Elective - select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | ECN 335: South Asia and the World Economy (SB & G) |
| | | ECN 360: Economic Development (SB & G) |
| | | ECN 436: International Trade Theory (SB & G) |
| | | ECN 438: International Monetary Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MGT 400: Cross-Cultural Management (C & G) |
| | | MKT 425: Global Marketing Management (G) |

SCM 463: Global Supply Chain Management (G)

Language and Culture - Chinese Track

CHI 120: Introduction to Chinese Culture (L or HU)

CHI 201: Second-Year Chinese I (G) or CHI 110: Intensive Chinese I

CHI 202: Second-Year Chinese II (G) or CHI 210: Intensive Chinese II

CHI 301: Third-Year Chinese I (G)

CHI 302: Third-Year Chinese II (G)

CHI 333: China (SB & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or CHI 343: Daoism ((L or HU) & G & H)

CHI 338: Daode Jing: Way to the West (L or HU) or CHI 451: Chinese Cultural History I ((HU or SB) & H)

CHI 401: Fourth-Year Chinese I (G)

CHI 402: Fourth-Year Chinese II (G)

CHI 407: Chinese for Academic and Professional Purposes I (G)

Language and Culture - Chinese Native Speaker Track

**Complete all four courses below:**

CHI 307: Introduction to Literary Chinese I (HU)

CHI 308: Introduction to Literary Chinese II (HU)

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU & G)

**Choose six courses from the list below:**

CHI 333: China (SB & H)

CHI 336: Interpreting China's Classics ((L or HU) & H)

CHI 338: Daode Jing: Way to the West (L or HU)

CHI 343: Daoism ((L or HU) & G & H)

CHI 345: Chinese Film and Civilization

CHI 451: Chinese Cultural History I ((HU or SB) & H)

CHI 452: Chinese Cultural History II (SB & G & H)

CHI 470: Modern Chinese Literature and Culture

Language and Culture - French Track

FRE 201: Intermediate French I (G) or FRE 110: Intensive French I (G)

FRE 202: Intermediate French II (G) or FRE 210: Intensive French II (G)

FRE 305: Readings in French Literature (G)

FRE 311: Oral and Written Expression I (G)

FRE 312: Oral and Written Expression II (G)

FRE 319: Business French (G)

FRE 321: French Cultural Masterpieces I ((L or HU) & H)

FRE 411: Advanced Spoken French (G)

FRE 412: Advanced Written French (G)

FRE 416: French Civilization II (HU & G)

Language and Culture - Italian Track

ITA 201: Intermediate Italian I (G) or ITA 110: Intensive Italian I (G)

ITA 202: Intermediate Italian II (G) or ITA 210: Intensive Italian II (G)

ITA 311: Speak Italy: Language, People, Culture (G)

ITA 312: Write Italy: Language, People, Culture (L & G)

ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G)

ITA 319: Italian for Professions

ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H)

Language and Culture - Spanish Track

SPA 201: Intermediate Spanish (G) or SPA 203: Intermediate Spanish I for Bilinguals (C & G) or SPA 110: Intensive Spanish I (G)

SPA 202: Intermediate Spanish (G) or SPA 204: Intermediate Spanish II for Bilinguals (C & G) or SPA 210: Intensive Spanish II (G)

SPA 313: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C)

SPA 314: Spanish Conversation and Composition (G) or SPA 316: Advanced Spanish II for Bilinguals (L & C)

SPA 319: Business Correspondence and Communication (G)

SPA 325: Introduction to Hispanic Literature (HU)

SPA 4** Elective ( SPA 472 recommended)

| | |
|---|---|
| ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) | SPA 402: Written Communication for the Professions (C) or SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G) |
| ITA 413: Advanced Italian (G) | SPA 412: Advanced Conversation and Composition (G) |
| ITA 414: French and Italian Popular Culture ((L or HU) & G) or ITA 420: Italian Cinema (L & G) | SPA course (L) Upper Division |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Law), BA

School/College: W. P. Carey School of Business
Location: Tempe
BABUSLBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | |
| LAW 210: Introduction to American Legal System and Business Law | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Law Concentration Elective | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15.25 | | |

- LAW 394/494 Special Topic courses will be available every semester as LAW concentration elective options. See class search for the topics available.
- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Law Concentration Elective | 3 | C | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- LAW 394/494 Special Topic courses will be available every semester as LAW concentration elective options. See class search for the topics available.
- Complete informational interviews
- Meet with your academic advisor to discuss your internship course options

| Term 7 93.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Law Concentration Elective | 6 | C | • LAW 394/494 Special Topic courses will be available every semester as LAW concentration elective options. See class search for the topics available.<br>• Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 5 | | |
| Term hours subtotal: | 14 | | |

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LAW 480: Business Law | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| FIN 300: Fundamentals of Finance | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 12.25 | | |

- 
  - Students cannot share Upper Division International Business Elective with concentration course requirements.
  - LAW 394 "Law School Foundation" is not accepted as a Law Concentration Elective.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Law Concentration Electives - select four courses (12 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 414: Food and Agribusiness Policy Issues (L) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | COM 222: Argumentation (L) |
| | | COM 326: Court Room Oratory |
| | | ENG 216: Persuasive Writing on Public Issues (L) |
| | | ENG 472: Rhetorical Studies |
| | | HST 322: Constitutional History of the United States Since 1865 (H) |
| | | LAW 394: Special Topics |
| | | LAW 494: Special Topics |
| | | LES 380: Consumer Perspective of Business Law |
| | | MGT 420: Human Resource Management |
| | | MGT 424: Employment Law |
| | | MGT 430: Negotiations |

| |
|---|
| PHI 103: Principles of Sound Reasoning (L or HU) |
| PHI 307: Philosophy of Law (HU) |
| POS 325: Public Policy Development (SB) |
| POS 465: International Organization and Law (SB & G) |
| POS 471: Constitutional Law I (SB) |
| POS 472: Constitutional Law II (SB) |
| POS 484: Internship |
| (Maximum three credit hours of POS 484 may be applied toward the major.) |
| REA 411: Real Estate Law |
| TWC 451: Copyright and Intellectual Property in the Electronic Age |

| Upper Division International Business Course - select one course (3 credit hours) |
|---|
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Law), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSLBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or College specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| PSY course (SB) | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Upper Division Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 53.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 53.50 - 61.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 2 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 8 | | |

| Term 5 - A 61.50 - 67.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAW 210: Introduction to American Legal System and Business Law | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 67.75 - 76.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 302: Business Writing (L) | 3 | | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 76.75 - 83.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Law Concentration Elective | 3 | C | • Complete informational interviews |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 83.75 - 92.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Law Concentration Elective | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 92.75 - 101.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Law Concentration Elective | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| FIN 300: Fundamentals of Finance | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 101.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Law Concentration Elective | 3 | C | • Gather professional references<br>• Update your resume |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LAW 480: Business Law | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

- 
  - Students cannot share Upper Division International Business Elective with concentration course requirements.
  - LAW 394 "Law School Foundation" is not accepted as a Law Concentration Elective.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) |
| --- |
| MAT 117: College Algebra (MA) |
| MAT 210: Brief Calculus (MA) |

| MAT 210 Track (dependent on the student's math placement) |
| --- |
| MAT 210: Brief Calculus (MA) |
| MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) |

| Law Concentration Electives - select four courses (12 credit hours) |
| --- |
| ENG 216: Persuasive Writing on Public Issues (L) |
| LAW 394: Special Topics |
| LAW 494: Special Topics |
| MGT 420: Human Resource Management |
| MGT 430: Negotiations |
| PHI 103: Principles of Sound Reasoning (L or HU) |
| PHI 307: Philosophy of Law (HU) |
| POS 325: Public Policy Development (SB) |
| POS 484: Internship |
| (Maximum three credit hours of POS 484 may be applied toward the major.) |
| TWC 451: Copyright and Intellectual Property in the Electronic Age |

| Upper Division International Business Course - select one course (3 credit hours) |
| --- |
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Public Service and Public Policy), BA

School/College: W. P. Carey School of Business
Location: Tempe
BABUSPBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PAF 300: Public Management and Administration | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| ENG 302: Business Writing (L) | 3 | | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15.25 | | |

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| FIN 300: Fundamentals of Finance | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR PAF 484: Internship OR WPC 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | PAF 311: Leadership and Change (SB) | 3 | C |
| | WPC 300: Problem Solving and Actionable Analytics | 3 | C |
| | Upper Division Upper Division Public Service and Public Policy Course | 3 | C |
| | Upper Division Elective OR PAF 484: Internship OR WPC 484: Internship | 3 | |
| | Upper Division Elective | 2 | |
| | Term hours subtotal: | 14 | |

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume
- Meet with your academic advisor to discuss your internship course options

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Upper Division Public Service and Public Policy Course | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR PAF 484: Internship OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) |
|---|
| MAT 117: College Algebra (MA) |
| MAT 210: Brief Calculus (MA) |

| MAT 210 Track (dependent on the student's math placement) |
|---|
| MAT 210: Brief Calculus (MA) |
| MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) |

| Public Service and Public Policy Courses - select two |
|---|
| CEL 394: Liberalism and Conservatism in America |
| CEL 494: Adam Smith and Classical Political Economy |
| PAF 302: Public Service Research Methods |
| PAF 410: Building Leadership Skills (SB) |
| PAF 460: Public Service Ethics |
| PAF 470: Topics in Public Economics and Financial Management |
| PAF 471: Public Policy Analysis |

| Upper Division International Business Course - select one course (3 credit hours) |
|---|
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |

SCM 463: Global Supply Chain Management (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Retail Management), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSRBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or College specific equivalent First Year Seminar required of all first-year students. W. P. Carey students take WPC 101 to fulfill this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| PSY course (SB) | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 53.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 59.50 - 65.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 300: Marketing and Business Performance | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| ENG 302: Business Writing (L) | 3 | | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 74.75 - 81.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 440: Quality Management/Measurement | 3 | C | • Complete informational interviews |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 81.75 - 90.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 300: Fundamentals of Finance | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| ★ LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 90.75 - 96.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 385: Business and Sustainability I | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 411: Leading Organizations | 3 | C | • Gather professional references<br>• Update your resume |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AGB 445: Food Retailing | 3 | C | • Apply for full-time career opportunities |
| MKT 396: Essentials of Services Marketing | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 8.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 420: Retail Management | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course-select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Sports Business), BA

School/College: W. P. Carey School of Business
Location: Tempe, West
BABUSMSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MKT 300: Marketing and Business Performance | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| MKT 311: Sports Business | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15.25 | | |

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MKT 421: Fan Behavior and Sports Marketing | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Sports Business Elective | 6 | C | • Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references |

| | | | |
|---|---|---|---|
| LES 305: Business Law and Ethics for Managers | 3 | C | • Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| Upper Division Elective OR MKT 484: Internship OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14 | | |

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MCO 465: Sports and Media | 3 | C | • Apply for full-time career opportunities |
| FIN 300: Fundamentals of Finance | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Sports Business Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) |
|---|
| MAT 117: College Algebra (MA) |
| MAT 210: Brief Calculus (MA) |

| MAT 210 Track (dependent on the student's math placement) |
|---|
| MAT 210: Brief Calculus (MA) |
| MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) |

| Upper Division Sports Business Electives - select 3 courses (9 credit hours, MKT 494 must be sports related) |
|---|
| AFR 375: Race, Gender and Sport (SB & C) |
| MCO 420: Strategic Sports Communication |
| MKT 431: Sports Experiences |
| MKT 441: Sports Revenue Generation |
| MKT 451: Sports Business Analytics |
| MKT 465: Projects in Sports Business |
| MKT 484: Internship |
| MKT 493: Honors Thesis (L) |
| MKT 494: Special Topics |

| Upper Division International Business Course - select one course (3 credit hours) |
|---|
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Sports Business), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSMSBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| PSY course (SB) | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 53.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 59.50 - 65.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 300: Marketing and Business Performance | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 311: Sports Business | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| ENG 302: Business Writing (L) | 3 | | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 74.75 - 81.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LES 305: Business Law and Ethics for Managers | 3 | C | • Complete informational interviews |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 81.75 - 90.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 421: Fan Behavior and Sports Marketing | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 90.75 - 99.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Sports Business Elective | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99.75 - 105.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIN 300: Fundamentals of Finance | 3 | C | • Gather professional references<br>• Update your resume |
| Upper Division Sports Business Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MCO 465: Sports and Media | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR MKT 484: Internship OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 8.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Sports Business Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- 
  - Students cannot share Upper Division International Business Elective with concentration course requirements.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) |
| --- |
| MAT 117: College Algebra (MA) |
| MAT 210: Brief Calculus (MA) |

| MAT 210 Track (dependent on the student's math placement) |
| --- |
| MAT 210: Brief Calculus (MA) |
| MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) |

| Upper Division Sports Business Electives - select 3 courses (9 credit hours, MKT 494 must be sports related) |
| --- |
| AFR 375: Race, Gender and Sport (SB & C) |
| MKT 441: Sports Revenue Generation |
| MKT 451: Sports Business Analytics |
| MKT 484: Internship |
| MKT 494: Special Topics |

| Upper Division International Business Course-select one course (3 credit hours) |
| --- |
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Statistics), BA

School/College: W. P. Carey School of Business
Location: West
BABUSTABA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Elective | 3 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

**Notes**

- Business Statistics students are encouraged to take STP 420 early, if you are considering taking additional statistics courses
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| SCM 300: Global Supply Operations | 3 | C |
| ENG 302: Business Writing (L) | 3 | |
| LES 305: Business Law and Ethics for Managers | 3 | C |
| MKT 300: Marketing and Business Performance | 3 | C |
| WPC 348: Junior Networking Foundations | 0.25 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 15.25 | |

**Notes**

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| CIS 310: Business Data Visualization | 3 | C |
| STP 420: Introductory Applied Statistics (CS) | 3 | C |
| FIN 300: Fundamentals of Finance | 3 | C |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

**Notes**

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| STP 310: Design and Analysis of Experiments | 3 | C |
| STP 311: Regression and Time Series Analyses | 3 | C |

**Notes**

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| | | | |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Meet with your academic advisor to discuss your internship course options |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

| **Term 8** 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 405: Business Intelligence | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| ★ STP 315: Statistical Computing | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR STP 484: Internship OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Sustainability), BA

School/College: W. P. Carey School of Business
Location: Polytechnic, Tempe, West
BABUSSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | | |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | • New transfer students will take WPC 347<br>• Explore career resources<br>• Develop your professional online presence<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| ECN 221: Business Statistics (CS) | 3 | C | |
| SOS 110: Sustainable World (SB) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15.25 | | |

| **Term 4 46.50 - 62.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| SOS 111: Sustainable Cities ((HU or SB) & G) OR PUP 190: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 62.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SCM 300: Global Supply Operations | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SOS 325: The Economics of Sustainability | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| FIN 300: Fundamentals of Finance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 16.25 | | |

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Sustainability Elective | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ SCM 385: Business and Sustainability I | 3 | C | • Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 2 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 14 | | |

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ SCM 485: Business and Sustainability II | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 3 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 12.25 | | |

- • SOS 492 is not accepted as a Upper Division Sustainability Elective

Hide Course List(s)/Track Group(s)

| | | |
|---|---|---|
| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division Sustainability Elective |
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 414: Food and Agribusiness Policy Issues (L) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | AGB 452: Global Food and Agricultural Trade |
| | | SOS Upper Division Elective |

| |
|---|
| Upper Division International Business Course - select one course (3 credit hours) |
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

**Notes:**

-

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.50 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Sustainability), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSSBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hous of elective credit.<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |

| | | |
|---|---|---|
| PSY course (SB) | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| SOS 110: Sustainable World (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 55.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| SOS 111: Sustainable Cities ((HU or SB) & G) OR PUP 190: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 300: Marketing and Business Performance | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 68.75 - 77.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 302: Business Writing (L) | 3 | | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 77.75 - 84.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 325: The Economics of Sustainability | 3 | C | • Complete informational interviews |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 84.75 - 90.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 300: Principles of Management and Leadership | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 90.75 - 99.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 385: Business and Sustainability I | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| FIN 300: Fundamentals of Finance | 3 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99.75 - 105.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS Upper Division Elective | 3 | C | • SOS 492 is not accepted as an SOS Upper Division Elective.<br>• Gather professional references<br>• Update your resume |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 485: Business and Sustainability II | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 2 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 8.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | AGB 302: International Management and Agribusiness (G) |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | ECN 306: Survey of International Economics (SB & G) |
| | | MGT 302: Principles of International Business (G) |
| | | MKT 425: Global Marketing Management (G) |
| | | SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Technology), BA

School/College: W. P. Carey School of Business
Location: Polytechnic
BABUSTCBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | |
|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 63.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Cultural Diversity in the U.S. (C) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 63.50 - 78.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| TEM 400: Technology Entrepreneurship | 3 | C |
| Technology Focus Area Course | 3 | C |
| MGT 300: Principles of Management and Leadership | 3 | C |
| MKT 300: Marketing and Business Performance | 3 | C |
| SCM 300: Global Supply Operations | 3 | C |
| WPC 348: Junior Networking Foundations | 0.25 | C |
| Term hours subtotal: | 15.25 | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6 78.75 - 93.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| TMC 470: Enterprise Planning and Implementation | 3 | C |
| ENG 302: Business Writing (L) | 3 | |
| Upper Division International Business Elective AND Global Awareness (G) | 3 | C |
| Technology Focus Area Course | 3 | C |
| Upper Division Elective | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| **Term 7 93.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| Upper Division Technology Focus Area Course | 3 | C |
| FIN 300: Fundamentals of Finance | 3 | C |

- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| | | | |
|---|---|---|---|
| LES 305: Business Law and Ethics for Managers | 3 | C | • Meet with your academic advisor to discuss your internship course options |
| Upper Division Elective OR TEM 484: Internship OR WPC 484: Internship | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14 | | |

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Technology Focus Area Course | 3 | C | • Apply for full-time career opportunities |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

- Choose one Focus Area and complete 12 credit hours.

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) | MAT 210 Track (dependent on the student's math placement) | Technology Focus Area (Digital Media) - choose one focus area (12 credit hours) |
|---|---|---|
| MAT 117: College Algebra (MA) | MAT 210: Brief Calculus (MA) | GIT 215: Introduction to Web Authoring |
| MAT 210: Brief Calculus (MA) | MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | GIT 230: Digital Illustration in Publishing |
| | | GIT 303: Digital Publishing |
| | | GIT 334: Image Editing and Manipulation |
| Technology Focus Area (Social Entrepreneurship) - choose one focus area (12 credit hours) | Upper Division International Business Course - select one course (3 credit hours) | |
| AGB 321: Agribusiness Marketing | AGB 302: International Management and Agribusiness (G) | |
| AGB 333: Agribusiness Finance | ECN 306: Survey of International Economics (SB & G) | |
| TEM 230: Creativity and Business Innovation | MGT 302: Principles of International Business (G) | |
| TEM 431: Innovation Management | MKT 425: Global Marketing Management (G) | |
| TEM 455: Global Impact Entrepreneurship | SCM 463: Global Supply Chain Management (G) | |
| TMC 331: Quality Assurance | | |
| TMC 430: Enterprise Strategy and Innovation | | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Tourism), BA

School/College: W. P. Carey School of Business
Location: Tempe
BABUSTBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |

| | | | |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | • New transfer students will take WPC 347<br>• Explore career resources<br>• Develop your professional online presence<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| ECN 221: Business Statistics (CS) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16.25 | | |

| Term 4 47.50 - 63.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| TDM 205: Introduction to Travel and Tourism (G) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63.50 - 78.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Tourism Concentration Elective | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| ENG 302: Business Writing (L) | 3 | | |
| FIN 300: Fundamentals of Finance | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15.25 | | |

| Term 6 78.75 - 92.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Tourism Concentration Elective | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| MKT 300: Marketing and Business Performance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division Elective | 2 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 92.75 - 107.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Tourism Concentration Elective | 3 | C | • Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references |
| LES 305: Business Law and Ethics for Managers | 3 | C | |

| | | | |
|---|---|---|---|
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | • Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR MGT 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Tourism Concentration Elective | 6 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) |
|---|
| MAT 117: College Algebra (MA) |
| MAT 210: Brief Calculus (MA) |

| MAT 210 Track (dependent on the student's math placement) |
|---|
| MAT 210: Brief Calculus (MA) |
| MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDS 223: Design Thinking or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) |

| Tourism Concentration Electives - select five courses (15 credit hours) |
|---|
| PRM 145: Special Events Management |
| TDM 225: Introduction to Resort and Hotel Management |
| TDM 345: Meeting and Convention Planning |
| TDM 350: Tourism, Recreation and Sports Marketing |
| TDM 372: Tourism Planning (L) |
| TDM 386: Convention Sales and Management |
| TDM 415: Tourism Transportation Systems |
| TDM 448: Heritage and Cultural Tourism |
| TDM 458: International Tourism (G) |
| TDM 475: Entrepreneurial Recreation and Tourism |
| TDM 480: Sustainable Tourism |
| TDM 483: Sports Tourism |
| TDM 484: Internship |

| Upper Division International Business Course - select one course (3 credit hours) |
|---|
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business (Tourism), BA

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABUSTBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | • View ASU Online first-time freshmen registration information here.<br>• Students must complete two math courses. Students will complete either MAT 117 and MAT 210 (MAT 117 Track) OR MAT 210 and MAT 211 or a quantitative course (MAT 210 Track)<br>• Students will be completing MAT 117 (MAT 117 Track) or MAT 210 (MAT 210 Track) in term 1<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students will be completing MAT 210 (MAT 117 Track) OR MAT 211 or a quantitative course (MAT 210 Track) in term 2<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| MAT 117 Track AND Mathematics (MA) OR MAT 210 Track AND Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| PSY course (SB) | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 55.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| TDM 205: Introduction to Travel and Tourism (G) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 300: Marketing and Business Performance | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 68.75 - 77.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |

| | | |
|---|---|---|
| Tourism Concentration Elective | 3 | C |
| Term hours subtotal: | 9 | |

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.

| Term 6 - A 77.75 - 85.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | • Complete informational interviews |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 8 | | |

| Term 6 - B 85.75 - 92.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 300: Fundamentals of Finance | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 7 - A 92.75 - 98.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Tourism Concentration Elective | 3 | C | • Attend W. P. Carey and ASU Career Fairs |
| Upper Division Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LES 305: Business Law and Ethics for Managers | 3 | C | • Gather professional references<br>• Update your resume |
| Upper Division Tourism Concentration Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 448: Senior Career Transition Management | 0.25 | C | • Apply for full-time career opportunities |
| Upper Division Tourism Concentration Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Tourism Concentration Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| MAT 117 Track (dependent on the student's math placement) |
| --- |
| MAT 117: College Algebra (MA) |
| MAT 210: Brief Calculus (MA) |

| MAT 210 Track (dependent on the student's math placement) |
| --- |
| MAT 210: Brief Calculus (MA) |
| MAT 211: Mathematics for Business Analysis or ACO 100: All About Data: Design, Query, and Visualization (CS) or EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) |

| Tourism Concentration Electives - select five courses (15 credit hours) |
| --- |
| PRM 145: Special Events Management |
| TDM 225: Introduction to Resort and Hotel Management |
| TDM 345: Meeting and Convention Planning |
| TDM 350: Tourism, Recreation and Sports Marketing |
| TDM 386: Convention Sales and Management |
| TDM 448: Heritage and Cultural Tourism |
| TDM 458: International Tourism (G) |
| TDM 475: Entrepreneurial Recreation and Tourism |
| TDM 480: Sustainable Tourism |
| TDM 483: Sports Tourism |
| TDM 484: Internship |

| International Business Course - select one course (3 credit hours) |
| --- |
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business Data Analytics, BS

School/College: W. P. Carey School of Business
Location: Tempe
BABDABS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4** 47.50 - 60.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | |
| CIS 235: Introduction to Information Systems | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 13 | | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5** 60.50 - 75.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 315: Introduction to Business Data Analytics | 3 | C | |
| CIS 407: Business Database Systems Development | 3 | C | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15.25 | | |

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6** 75.75 - 90.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 325: Fundamental Techniques for Business Data Analytics | 3 | C | |
| CIS 409: Business Data Warehouses and Dimensional Modeling | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| **Term 7** 90.75 - 105.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 412: Business Data Mining | 3 | C | |

- All upper-division Business Core classes (including International Business course)

| | | | |
|---|---|---|---|
| ★ CIS 415: Big Data Analytics in Business | 3 | C | must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume |
| FIN 300: Fundamentals of Finance | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ CIS 450: Enterprise Analytics | 3 | C | • Apply for full-time career opportunities |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective OR CIS 484: Internship OR WPC 484: Internships & Applied Academics | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 14.25 | | |

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)

- AGB 302: International Management and Agribusiness (G)
- ECN 306: Survey of International Economics (SB & G)
- MGT 302: Principles of International Business (G)
- MKT 425: Global Marketing Management (G)
- SCM 463: Global Supply Chain Management (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business Data Analytics, BS

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BABDABS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • View ASU Online first-year student registration information here<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Research study abroad opportunities recommended for your major |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit. |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ◆ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Elective | 3 | | |
| ◆ Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 53.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 53.50 - 59.50 Credit Hours Critical course signified by ◆ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| ◆ Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 59.50 - 65.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 235: Introduction to Information Systems | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 315: Introduction to Business Data Analytics | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| ★ CIS 407: Business Database Systems Development | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 74.75 - 83.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 325: Fundamental Techniques for Business Data Analytics | 3 | C | • Complete informational interviews |

| | | | |
|---|---|---|---|
| ★ CIS 409: Business Data Warehouses and Dimensional Modeling | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 83.75 - 89.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 412: Business Data Mining | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| Upper Division International Business Elective AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 89.75 - 98.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 415: Big Data Analytics in Business | 3 | C | • All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs |
| FIN 300: Fundamentals of Finance | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 450: Enterprise Analytics | 3 | C | • Gather professional references<br>• Update your resume |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SCM 300: Global Supply Operations | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Elective OR CIS 484: Internship OR WPC 484: Internships & Applied Academics | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| Upper Division International Business Course-select one course (3 credit hours) |
| --- |
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business Entrepreneurship, BS

School/College: W. P. Carey School of Business
Location: Tempe
BABUENTBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC 101: Introductory Sociology (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation.<br>• PSY 101 or SOC 101 is a prerequisite to MGT 320 in term 7<br>• Explore student leadership opportunitiesin W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Explore career resources<br>• Develop your professional online presence<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| ECN 221: Business Statistics (CS) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Elective ( ENT 290 recommended) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 4 46.50 - 63.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Apply for internships or create one. |
| ENT 305: Principles of Entrepreneurship | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Upper Division Elective | 1 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17 | | |

| Term 5 63.50 - 78.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENT 360: Entrepreneurship and Value Creation | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| ENG 302: Business Writing (L) | 3 | C | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 15.25 | | |

| Term 6 78.75 - 94.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division ENT Track Course | 3 | C | • Students choose one track option from the following: ENT Startup, ENT Finance, ENT Management, or ENT Studies. View track group below for course options.<br>• Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| FIN 300: Fundamentals of Finance | 3 | C | |
| MGT 302: Principles of International Business (G) OR Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 7 94.75 - 106.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 320: Organizational Behavior | 3 | C | • Students choose one track option from the following: ENT Startup, ENT Finance, ENT Management, or ENT Studies. View track group below for course options.<br>• All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Elective OR ENT 484: Internship OR WPC 484: Internship | 3 | | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND MGT 302 or International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | | |
| Term hours subtotal: | 12 | | |

| Term 8 106.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| ★ Upper Division ENT Track Course | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Entrepreneurship Elective | 3 | C | |
| Upper Division Elective | 1 | | |
| Elective | 3 | | |
| Term hours subtotal: | 13.25 | | |

- 
  - Students choose one track option from the following: ENT Start Up, ENT Management, or ENT Studies. View track groups below for course options.
  - Maximum three hours of Internship (*** 484) courses can be used towards the Upper Division Entrepreneurship Elective.

Hide Course List(s)/Track Group(s)

| ENT Start Up Track - complete two courses | ENT Management Track - select two courses | ENT Studies Track - select two courses |
|---|---|---|
| ENT 446: Venture Capital Experience | ENT 441: Entrepreneurial Management | ENT 340: Creativity and Innovation (L or HU) |
| ENT 447: Lean Launch | ENT 448: Corporate Entrepreneurship | ENT 441: Entrepreneurial Management |
| | MKT 435: Entrepreneurial Marketing | ENT 446: Venture Capital Experience |
| | MKT 440: Creating Digital Experiences | ENT 447: Lean Launch |
| | | ENT 448: Corporate Entrepreneurship |
| | | ENT 464: Collaborative Design Development I (L) |
| | | ENT 465: Collaborative Design Development II (L) |
| | | ENT 484: Internship |

| |
|---|
| ENT 493: Honors Thesis (L) |
| MGT 310: Collaborative Team Skills |
| MGT 411: Leading Organizations |
| MGT 420: Human Resource Management |
| MGT 430: Negotiations |
| MGT 450: Consulting Projects (L) |
| MKT 435: Entrepreneurial Marketing |
| MKT 440: Creating Digital Experiences |

| Upper Division International Business Course - select one course (3 credit hours) |
|---|
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

| Upper Division Entrepreneurship Elective - select one course (3 credit hours) |
|---|
| ENT 340: Creativity and Innovation (L or HU) |
| ENT 441: Entrepreneurial Management |
| ENT 446: Venture Capital Experience |
| ENT 447: Lean Launch |
| ENT 448: Corporate Entrepreneurship |
| ENT 464: Collaborative Design Development I (L) |
| ENT 465: Collaborative Design Development II (L) |
| ENT 484: Internship |
| ENT 493: Honors Thesis (L) |
| MGT 310: Collaborative Team Skills |
| MGT 411: Leading Organizations |
| MGT 420: Human Resource Management |
| MGT 430: Negotiations |
| MGT 450: Consulting Projects (L) |
| MKT 435: Entrepreneurial Marketing |
| MKT 440: Creating Digital Experiences |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum

**General University Requirements Legend**

**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Business Exploratory

School/College: W. P. Carey School of Business
Location: Tempe
BABUSEXP

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement.<br>• Complete the me3 career interest tool<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major<br>• WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |

| | | |
|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Milestone: Selection of a major. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs
- Must declare major by end of term 3

- Must declare major by the end of Term 3.
- Changes of major into this program are not allowed.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 47.5
**Upper Division Hours:** 51 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Computer Information Systems, BS

School/College: W. P. Carey School of Business
Location: Tempe
BACISBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Explore career resources<br>• Develop your professional online presence<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| ECN 221: Business Statistics (CS) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| PSY course (SB) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16.25 | | |

| Term 4 47.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| CIS 235: Introduction to Information Systems | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 2 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62.50 - 77.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 340: Business Information System Development I | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| CIS 407: Business Database Systems Development | 3 | C | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 15.25 | | |

| Term 6 77.75 - 92.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 345: Business Information System Development II | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| CIS 425: Web Technologies for the Enterprise | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92.75 - 107.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ★ CIS 401: Managing Cyber Risks in Enterprise Business Processes | 3 | C |
| ★ CIS 430: Mobile Platforms for Business | 3 | C |
| FIN 300: Fundamentals of Finance | 3 | C |
| MGT 300: Principles of Management and Leadership | 3 | C |
| Elective OR CIS 484: Internship OR WPC 484: Internship | 3 | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | |
| Term hours subtotal: | 15 | |

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 440: Capstone in Information Systems (L) | 3 | C | • Apply for full-time career opportunities |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)

- AGB 302: International Management and Agribusiness (G)
- ECN 306: Survey of International Economics (SB & G)
- MGT 302: Principles of International Business (G)
- MKT 425: Global Marketing Management (G)
- SCM 463: Global Supply Chain Management (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Computer Information Systems, BS

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BACISBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Research study abroad opportunities recommended for your major |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete 3 hours of elective credit. |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| PSY course (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 53.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 53.50 - 61.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 8 | | |

| Term 5 - A 61.50 - 67.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 235: Introduction to Information Systems | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 67.75 - 76.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 340: Business Information System Development I | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 76.75 - 82.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 407: Business Database Systems Development | 3 | C | • Complete informational interviews |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 82.75 - 91.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 345: Business Information System Development II | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| FIN 300: Fundamentals of Finance | 3 | C | |
| Upper Division International Business Elective AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 91.75 - 98.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 425: Web Technologies for the Enterprise | 3 | C | • All upper-division Business Core classes (including an International Business course) must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs |
| ENG 302: Business Writing (L) | 3 | | |
| Elective | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 7 - B 98.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 401: Managing Cyber Risks in Enterprise Business Processes | 3 | C | • Gather professional references<br>• Update your resume |
| ★ CIS 430: Mobile Platforms for Business | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 440: Capstone in Information Systems (L) | 3 | C | • Apply for full-time career opportunities |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

Upper Division International Business Course-select one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Economics, BS

School/College: W. P. Carey School of Business
Location: Tempe
BAECNBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16-17 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis OR MAT 271: Calculus with Analytic Geometry II (MA) | 3-4 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25-16.25 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Explore career resources<br>• Develop your professional online presence<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| ECN 221: Business Statistics (CS) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16.25 | | |

| Term 4 47.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Upper Division Elective | 2 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62.50 - 77.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 312: Intermediate Microeconomic Theory (SB) | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| ENG 302: Business Writing (L) | 3 | | |
| FIN 300: Fundamentals of Finance | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15.25 | | |

| Term 6 77.75 - 92.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 313: Intermediate Macroeconomic Theory (SB) | 3 | C | • 3 credit hours maximum of ECN 484 is allowed<br>• Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics | 3 | C | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92.75 - 107.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| ★ | ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G) | 3 | C | • 3 credit hours maximum of ECN 484 is allowed.<br>• All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume |
| | LES 305: Business Law and Ethics for Managers | 3 | C | |
| | ECN 4** Elective | 3 | C | |
| | Upper Division Economics Elective | 3 | C | |
| | Elective OR ECN 484: Internship OR WPC 484: Internship | 3 | | |
| ★ | Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND ECN 306 or ECN 360 or ECN 436 or ECN 438 course(s). | | | |
| | Term hours subtotal: | 15 | | |

| **Term 8** 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 475: Capstone in Economics (L) | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| ECN 4** Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

- 3 credit hours maximum of ECN 484 is allowed.

Hide Course List(s)/Track Group(s)

| Economics Electives |
|---|
| ECN 306: Survey of International Economics (SB & G) |
| ECN 315: Money & Banking |
| ECN 331: Economics of the European Economic Union (SB & G) |
| ECN 335: South Asia and the World Economy (SB & G) |
| ECN 342: Sports Economics |
| ECN 345: Survey of Environmental and Resource Economics |
| ECN 355: Economics of Healthcare |
| ECN 360: Economic Development (SB & G) |
| ECN 365: Economics of Russia and Eastern Europe (SB & G) |
| ECN 394: Special Topics or ECN 494: Special Topics |
| ECN 411: Current Analysis of the U.S. Economy |

ECN 416: Game Theory and Economic Behavior

ECN 421: Labor Economics (SB)

ECN 423: Economics of Education

ECN 436: International Trade Theory (SB & G)

ECN 438: International Monetary Economics (SB & G)

ECN 441: Public Economics (SB)

ECN 445: Environmental Economics

ECN 453: Industrial Organization and Competition Policy

ECN 455: Health Economics

ECN 470: Mathematical Economics

ECN 484: Internship

ECN 493: Honors Thesis (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Economics, BS

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BAECNBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Research study abroad opportunities recommended for your major |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit. |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 53.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 53.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 62.50 - 68.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 312: Intermediate Microeconomic Theory (SB) | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 68.75 - 77.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| MKT 300: Marketing and Business Performance | 3 | C | |
| Upper Division Economics Elective | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 77.75 - 83.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 410: Applied Regression Analysis and Forecasting | 3 | C | • Complete informational interviews |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 6 - B 83.75 - 92.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 313: Intermediate Macroeconomic Theory (SB) | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| FIN 300: Fundamentals of Finance | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 92.75 - 98.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 302: Business Writing (L) | 3 | | • All upper-division Business Core classes, including ECN 306, ECN 360, ECN 436, or ECN 438 (international business course), must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 4** Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 98.75 - 106.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G) | 3 | C | • Gather professional references<br>• Update your resume |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND ECN 306 or ECN 360 or ECN 436 or ECN 438 course(s). | | | |
| Term hours subtotal: | 8 | | |

| Term 8 - A 106.75 - 114.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 448: Senior Career Transition Management | 0.25 | C | • Apply for full-time career opportunities |
| ECN 4** Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 475: Capstone in Economics (L) | 3 | C | |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

Economics Electives

ECN 306: Survey of International Economics (SB & G)

ECN 315: Money & Banking

ECN 421: Labor Economics (SB)

ECN 438: International Monetary Economics (SB & G)

ECN 484: Internship

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Entrepreneurial Leadership, BA

School/College: W. P. Carey School of Business
Location: West
BAENTLBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time student.<br>• Join a student club or organization.<br>• Create your first college resume. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14.25 | | |

| Term 3 30.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Explore career resources<br>• Develop your professional online presence<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| ECN 221: Business Statistics (CS) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | 0 | |
| Term hours subtotal: | 16.25 | |

| Term 4 46.50 - 61.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENT 305: Principles of Entrepreneurship | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 61.50 - 76.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 380: Management and Strategy | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| CIS 308: Advanced Excel in Business | 3 | C | |
| ENG 302: Business Writing (L) | 3 | C | |
| FIN 380: Personal Financial Management | 3 | C | |
| MKT 390: Essentials of Marketing | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 15.25 | | |

| Term 6 76.75 - 91.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENT 325: Entrepreneurial Leadership | 3 | C | • Complete informational interviews.<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach. |
| AGB 302: International Management and Agribusiness (G) OR MGT 302: Principles of International Business (G) | 3 | C | |
| CIS 309: Business Process Management | 3 | C | |
| ENT 340: Creativity and Innovation (L or HU) | 3 | C | |
| MGT 411: Leading Organizations | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s) | 0 | | |
| Term hours subtotal: | 15 | | |

| Term 7 91.75 - 107.00 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENT 360: Entrepreneurship and Value Creation | 3 | C | • All Upper Division Business Foundation classes (including AGB 302 or MGT 302, the International Business course) must be completed before enrolling in WPC 460<br>• Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume<br>• Meet with your academic advisor to discuss your internship course options |
| ACC 382: Accounting and Financial Analysis | 3 | C | |
| CIS 310: Business Data Visualization | 3 | C | |
| SCM 380: Supply Chain Management Foundations | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Elective OR ENT 484: Internship | 3 | | |
| Term hours subtotal: | 15.25 | | |

| Term 8 107.00 - 120.00 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 460: Business Capstone | 1 | C | |

| | | | |
|---|---|---|---|
| CIS 405: Business Intelligence | 3 | C | • Apply for full-time career opportunities. |
| ENT 441: Entrepreneurial Management OR ENT 448: Corporate Entrepreneurship OR MGT 420: Human Resource Management OR MGT 430: Negotiations | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective OR ENT 484: Internship | 3 | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Finance, BS

School/College: W. P. Carey School of Business
Location: Tempe
BAFINBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ACC 232: Financial Accounting I OR ACC 231: Uses of Accounting Information I | 3 | C |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- ACC 232 and ACC 242 are the recommended ACC courses for Finance students
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| Term 4 47.50 - 63.50 Credit Hours Critical course signified by | Hours | Minimum Grade |
|---|---|---|
| ACC 242: Managerial Accounting I OR ACC 241: Uses of Accounting Information II | 3 | C |
| FIN 302: Managerial Finance OR FIN 303: Honors Finance | 3 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| Humanities, Arts and Design (HU) | 3 | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

- If an Honors student takes FIN 303, which satisfies both FIN 302 and FIN 361, then the student must take an additional FIN 400-level course to satisfy the required hours in the major.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- ACC 232 and ACC 242 are the recommended ACC courses for Finance students
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| Term 5 63.50 - 78.75 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| ACC 340: External Reporting I | 3 | C |
| FIN 361: Advanced Managerial Finance | 3 | C |
| ENG 302: Business Writing (L) | 3 | |
| MKT 300: Marketing and Business Performance | 3 | C |
| SCM 300: Global Supply Operations | 3 | C |
| WPC 348: Junior Networking Foundations | 0.25 | C |
| Term hours subtotal: | 15.25 | |

- If an Honors student takes FIN 303, which satisfies both FIN 302 and FIN 361, then the student must take an additional FIN 400-level course to satisfy the required hours in the major.
- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options
- Meet with your W. P. Carey Career Coach
- Update your resume

| Term 6 78.75 - 92.75 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| FIN 421: Security Analysis and Portfolio Management | 3 | C |
| Upper Division Finance Elective | 3 | C |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C |

- If an Honors student takes FIN 303, which satisfies both FIN 302 and FIN 361, then the

| | | | |
|---|---|---|---|
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Upper Division Elective | 2 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

- student must take an additional FIN 400-level course to satisfy the required hours in the major
- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| Term 7 92.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Finance Elective | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Elective OR FIN 484: Internship OR WPC 484: Internship | 3 | | |
| Elective | 3 | | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | | |
| Term hours subtotal: | 15 | | |

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Accountancy and Finance concurrent degree students may not use ACC 350 or ACC 440 as the Finance Upper Division Elective, and must take an additional Finance Upper Division Elective to replace ACC 340.
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIN 461: Financial Cases and Modeling (L) | 3 | C | |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

- Apply for full-time career opportunities
- Meet with your academic advisor to discuss your internship course options

Hide Course List(s)/Track Group(s)

| Upper Division Finance Elective - select one course (3 credit hours) |
|---|
| ACC 350: Internal Reporting |
| ACC 440: External Reporting II |
| FIN 331: Financial Markets and Institutions |
| FIN 427: Derivative Financial Securities |
| FIN 431: Management of Financial Institutions |
| FIN 455: Entrepreneurial Finance |
| FIN 456: International Financial Management (G) |
| FIN 471: SIM Fund |

| Upper Division International Business Course - select one course (3 credit hrs) |
|---|
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

FIN 472: Investment Banking Industry Scholars

FIN 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Management, BS

School/College: W. P. Carey School of Business
Location: Polytechnic, Tempe, West
BAMGTBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC 101: Introductory Sociology (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation.<br>• PSY 101 or SOC 101 is a prerequisite to MGT 320 in term 6<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Explore career resources<br>• Develop your professional online presence<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| ECN 221: Business Statistics (CS) | 3 | C | |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16.25 | | |

| Term 4 47.50 - 63.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63.50 - 78.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| ENG 302: Business Writing (L) | 3 | C | |
| MKT 300: Marketing and Business Performance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15.25 | | |

| Term 6 78.75 - 93.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 320: Organizational Behavior | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| MGT 302: Principles of International Business (G) OR Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division Management Elective | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93.75 - 107.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | MGT 400: Cross-Cultural Management (C & G) | 3 | C |
| | FIN 300: Fundamentals of Finance | 3 | C |
| | LES 305: Business Law and Ethics for Managers | 3 | C |
| | Upper Division Management Elective | 3 | C |
| | Upper Division Elective | 2 | |
| ★ | Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND MGT 302 or International Business Course (G) course(s). | | |
| | Term hours subtotal: | 14 | |

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| **Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MGT 411: Leading Organizations | 3 | C | • Apply for full-time career opportunities |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| 4** Business Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 12.25 | | |

- 
- Maximum 3 hours of MGT 484 and ENT 494 can be applied to the 400-level Business Elective and Upper Division Management Elective.

Hide Course List(s)/Track Group(s)

| Upper Division Management Electives - select two courses (6 credit hours) | 4** Business Elective - select one course (3 credit hours) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|---|
| ENT 340: Creativity and Innovation (L or HU) | ACC 4** Elective | AGB 302: International Management and Agribusiness (G) |
| ENT 360: Entrepreneurship and Value Creation | AGB 4** Elective | ECN 306: Survey of International Economics (SB & G) |
| ENT 440: Entrepreneurship | CIS 4** Elective | MGT 302: Principles of International Business (G) |
| ENT 445: Business Model Development | ECN 4** Elective | MKT 425: Global Marketing Management (G) |
| ENT 446: Venture Capital Experience | ENT 4** Elective | SCM 463: Global Supply Chain Management (G) |
| ENT 447: Lean Launch | FIN 4** Elective | |
| ENT 494: Special Topics | MGT 4** Elective | |
| MGT 310: Collaborative Team Skills | MKT 4** Elective | |
| MGT 420: Human Resource Management | REA 4** Elective | |
| MGT 421: Compensation in Organizations | SCM 4** Elective | |
| MGT 422: Staffing | | |
| MGT 423: Training and Development in Organizations | | |
| MGT 424: Employment Law | | |
| MGT 425: Global Human Resources | | |

MGT 426: HR Consulting Projects

MGT 430: Negotiations

MGT 450: Consulting Projects (L)

MGT 459: International Management (G)

MGT 484: Internship

MGT 493: Honors Thesis (L)

MGT 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Management, BS

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BAMGTBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • View ASU Online first-year student registration information here<br>• Join a student club or organization |
| SOC 101: Introductory Sociology (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Research study abroad opportunities recommended for your major |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit. |
| PSY 101: Introduction to Psychology (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

- PSY 101 or SOC 101 is a prerequisite to MGT 320 in term 6A

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 55.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 55.50 - 62.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 62.50 - 68.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 300: Marketing and Business Performance | 3 | C | • Meet with your W. P. Carey Career Coach |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 68.75 - 77.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| ENG 302: Business Writing (L) | 3 | | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 77.75 - 84.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 320: Organizational Behavior | 3 | C | |

| | | | |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | • Complete informational interviews |
| Term hours subtotal: | 7 | | |

| Term 6 - B 84.75 - 93.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LES 305: Business Law and Ethics for Managers | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| FIN 300: Fundamentals of Finance | 3 | C | |
| MGT 302: Principles of International Business (G) OR Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 93.75 - 99.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 400: Cross-Cultural Management (C & G) | 3 | C | • All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs |
| Upper Division Management Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 99.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 411: Leading Organizations | 3 | C | • Gather professional references<br>• Update your resume |
| Upper Division Management Elective | 3 | C | |
| Upper Division Elective | 2 | | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND MGT 302 or International Business Course (G) course(s). | | | |
| Term hours subtotal: | 8 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 448: Senior Career Transition Management | 0.25 | C | • Apply for full-time career opportunities |
| 4** Business Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

- 
- Maximum 3 hours of MGT 484 and ENT 494 can be applied to the 400-level Business Elective and Upper Division Management Elective

Hide Course List(s)/Track Group(s)

| Upper Division Management Electives - select two courses (6 credit hours) | Upper Division International Business Course - select one course (3 credit hours) | 4** Business Elective - select one course (3 credit hours) |
|---|---|---|
| ENT 360: Entrepreneurship and Value Creation | AGB 302: International Management and Agribusiness (G) | ACC 4** Elective |
| MGT 420: Human Resource Management | ECN 306: Survey of International Economics (SB & G) | AGB 4** Elective |
| MGT 430: Negotiations | MGT 302: Principles of International Business (G) | CIS 4** Elective |
| | MKT 425: Global Marketing Management (G) | ECN 4** Elective |
| | SCM 463: Global Supply Chain Management (G) | MGT 4** Elective |
| | | MKT 4** Elective |
| | | SCM 4** Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Marketing, BS

School/College: W. P. Carey School of Business
Location: Tempe
BAMKTBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| Term 4 47.50 - 63.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| Term 5 63.50 - 78.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 302: Applied Marketing Management and Leadership (L) | 3 | C | |
| ENG 302: Business Writing (L) | 3 | | |
| FIN 300: Fundamentals of Finance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15.25 | | |

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| Term 6 78.75 - 93.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 352: Marketing Research (L) | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Upper Division Marketing Elective | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- MKT 425 cannot count as both the International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective.
- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| Term 7 93.75 - 107.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 402: Consumer Behavior | 3 | C | |

| | | | |
|---|---|---|---|
| | LES 305: Business Law and Ethics for Managers | 3 | C |
| | WPC 300: Problem Solving and Actionable Analytics | 3 | C |
| | Upper Division Marketing Elective | 3 | C |
| | Upper Division Elective | 2 | |
| ★ | Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | |
| | Term hours subtotal: | 14 | |

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- MKT 425 cannot count as both the International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective.
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy | 3 | C | • MKT 425 cannot count as both the International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective.<br>• Apply for full-time career opportunities |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Marketing Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12.25 | | |

- Maximum 3 hours from MKT 484 and MKT 499 applies towards Upper Division Marketing Elective

Hide Course List(s)/Track Group(s)

| Upper Division Marketing Electives - select three courses (9 credit hours, MKT 494 topic cannot be sports related)) |
|---|
| MKT 355: Designing Brand Identity: Methods and Digital Tools |
| MKT 365: Advertising and Beyond: Customer-Centric Brand Development |
| MKT 370: Professional Sales and Relationship Management |
| MKT 385: Data-Driven Marketing |
| MKT 410: Sales Management |
| MKT 420: Retail Management |
| MKT 425: Global Marketing Management (G) |
| MKT 435: Entrepreneurial Marketing |
| MKT 438: Advanced Selling Using Data and Technology |
| MKT 440: Creating Digital Experiences |

| Upper Division International Business Course - select one course (3 credit hours) |
|---|
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

MKT 442: Services Marketing Strategy

MKT 450: Social Media and Content Marketing

MKT 452: Business-to-Business Marketing Strategy

MKT 455: Brand Management

MKT 462: Competitive Marketing Strategy

MKT 472: Immersive Brand Experience I: Intelligence, Insights and Strategy

MKT 484: Internship

MKT 493: Honors Thesis (L)

MKT 494: Special Topics

MKT 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Marketing, BS

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BAMKTBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • View ASU Online first-year student registration information here<br>• Join a student club or organization |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Research study abroad opportunities recommended for your major |
| MAT 211: Mathematics for Business Analysis | 3 | | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit. |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 46.50 Credit Hours Critical course signified by ! | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Elective | 3 | | |
| ! Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6.25 | | |

| Term 4 - A 46.50 - 52.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 52.50 - 59.50 Credit Hours Critical course signified by ! | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| ! Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 59.50 - 65.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 302: Applied Marketing Management and Leadership (L) | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 65.75 - 74.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 352: Marketing Research (L) | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 74.75 - 83.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 402: Consumer Behavior | 3 | C | • Complete informational interviews |
| ENG 302: Business Writing (L) | 3 | | |

| | | |
|---|---|---|
| WPC 300: Problem Solving and Actionable Analytics | 3 | C |
| Term hours subtotal: | 9 | |

| Term 6 - B 83.75 - 89.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIN 300: Fundamentals of Finance | 3 | C | • MKT 425 cannot count as both International Business course requirement and Marketing Elective. If MKT 425 is taken as the International Business course, select another Marketing Elective from the list below.<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 89.75 - 96.75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Marketing Elective | 3 | C | • All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 7 - B 96.75 - 105.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy | 3 | C | • Gather professional references<br>• Update your resume |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Upper Division Marketing Elective | 3 | C | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105.75 - 112.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 448: Senior Career Transition Management | 0.25 | C | • Apply for full-time career opportunities |
| Upper Division Marketing Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 112.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |
| Term hours subtotal: | 8 | | |

- Maximum 3 hours of MKT 484 and MKT 499 can be applied to Upper Division Marketing Elective

Hide Course List(s)/Track Group(s)

| Upper Division Marketing Electives - select three courses (9 credit hrs) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|
| MKT 365: Advertising and Beyond: Customer-Centric Brand Development | AGB 302: International Management and Agribusiness (G) |
| MKT 420: Retail Management | ECN 306: Survey of International Economics (SB & G) |
| MKT 425: Global Marketing Management (G) | MGT 302: Principles of International Business (G) |
| MKT 442: Services Marketing Strategy | MKT 425: Global Marketing Management (G) |
| MKT 452: Business-to-Business Marketing Strategy | SCM 463: Global Supply Chain Management (G) |
| MKT 462: Competitive Marketing Strategy | |
| MKT 484: Internship | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Marketing (Digital and Integrated Marketing Communications), BS

School/College: W. P. Carey School of Business
Location: Tempe
BAMKDIMCBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |

| | | |
|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C+ |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4** 47.50 - 63.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5** 63.50 - 78.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 302: Applied Marketing Management and Leadership (L) | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Meet with your W. P. Carey Career Coach<br>• Update your resume |
| FIN 300: Fundamentals of Finance | 3 | C | |
| SCM 300: Global Supply Operations | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15.25 | | |

| **Term 6** 78.75 - 93.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 352: Marketing Research (L) | 3 | C | • Complete informational interviews<br>• Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| ENG 302: Business Writing (L) | 3 | | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7** 93.75 - 107.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 402: Consumer Behavior | 3 | C | • Digital & Integrated Marketing Communication concentration electives must be taken at ASU<br>• If chosen as a concentration elective, MKT 493 Honors Thesis subject must be |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Digital & Integrated Marketing Communications Concentration Elective | 6 | C | |

| | | | |
|---|---|---|---|
| | Upper Division Elective | 2 | |
| ★ | Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | |
| | Term hours subtotal: | 14 | |

Advertising, Brand Management, or Digital Marketing
- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 472: Immersive Brand Experience I: Intelligence, Insights and Strategy | 3 | C | • Digital & Integrated Marketing Communication concentration electives must be taken at ASU<br>• If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing<br>• Apply for full-time career opportunities |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Digital & Integrated Marketing Communications Concentration Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12.25 | | |

- Choose three Upper Division Digital & Integrated Marketing Communication Concentration Electives.
- Digital & Integrated Marketing Communication Concentration Electives must be taken at ASU.
- If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing.
- Maximum three hours from MKT 484 can be applied towards the Upper Division DIMC Elective.

Hide Course List(s)/Track Group(s)

| Digital & Integrated Marketing Communications Concentration Elective - select three courses (9 credit hours) |
|---|
| MKT 355: Designing Brand Identity: Methods and Digital Tools |
| MKT 365: Advertising and Beyond: Customer-Centric Brand Development |
| MKT 385: Data-Driven Marketing |
| MKT 440: Creating Digital Experiences |
| MKT 450: Social Media and Content Marketing |
| MKT 455: Brand Management |
| MKT 473: Immersive Brand Experience II: Creative, Media and Measures |
| MKT 484: Internship |
| MKT 493: Honors Thesis (L) |

| Upper Division International Business Course - select one course (3 credit hours) |
|---|
| AGB 302: International Management and Agribusiness (G) |
| ECN 306: Survey of International Economics (SB & G) |
| MGT 302: Principles of International Business (G) |
| MKT 425: Global Marketing Management (G) |
| SCM 463: Global Supply Chain Management (G) |

MKT 494: Innovations in Marketing

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Marketing (Professional Sales), BS

School/College: W. P. Carey School of Business
Location: Tempe
BAMKTPSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148 |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |

| | | |
|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- New transfer students will take WPC 347
- Develop your professional online presence
- Explore career resources
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 62.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C |
| MKT 302: Applied Marketing Management and Leadership (L) | 3 | |
| Cultural Diversity in the U.S. (C) | 3 | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Elective | 2 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

**Notes**

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 62.50 - 77.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| MKT 352: Marketing Research (L) | 3 | C |
| ENG 302: Business Writing (L) | 3 | |
| MKT 370: Professional Sales and Relationship Management | 3 | C |
| SCM 300: Global Supply Operations | 3 | C |
| WPC 348: Junior Networking Foundations | 0.25 | C |
| Elective | 3 | |
| Term hours subtotal: | 15.25 | |

**Notes**

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6 77.75 - 92.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| MKT 402: Consumer Behavior | 3 | C |
| LES 305: Business Law and Ethics for Managers | 3 | C |
| MKT 452: Business-to-Business Marketing Strategy | 3 | C |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C |
| Upper Division International Business Elective AND Global Awareness (G) | 3 | C |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

**Notes**

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach

| **Term 7 92.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| MKT 410: Sales Management | 3 | C |
| FIN 300: Fundamentals of Finance | 3 | C |
| MGT 300: Principles of Management and Leadership | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |

**Notes**

- All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480
- Attend W. P. Carey and ASU Career Fairs

| | | | |
|---|---|---|---|
| | Elective | 3 | |
| ★ | Complete FIN 300 AND LES 305 AND MGT 300 AND International Business Course (G) AND MKT 300 AND SCM 300 AND WPC 300 course(s). | | |
| | Term hours subtotal: | 15 | |

- Gather professional references
- Update your resume

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MKT 484: Internship | 3 | C | • MKT 484: Internship must be sales focused<br>• Apply for full-time career opportunities |
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Upper Division Professional Sales Concentration Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Professional Sales Concentration Elective - select one course (3 credits) | Upper Division International Business Course - select one course (3 credit hours) |
|---|---|
| MGT 430: Negotiations | AGB 302: International Management and Agribusiness (G) |
| MKT 435: Entrepreneurial Marketing | ECN 306: Survey of International Economics (SB & G) |
| MKT 438: Advanced Selling Using Data and Technology | MGT 302: Principles of International Business (G) |
| MKT 442: Services Marketing Strategy | MKT 425: Global Marketing Management (G) |
| MKT 484: Internship | SCM 463: Global Supply Chain Management (G) |
| MKT 493: Honors Thesis (L) | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Supply Chain Management, BS

School/College: W. P. Carey School of Business
Location: Tempe
BASCMBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. WPC 101 is the W. P. Carey School course that meets this requirement<br>• Join a student club or organization<br>• Create your first college resume |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit..<br>• Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.<br>• Explore student leadership opportunities in W. P. Carey<br>• Research study abroad opportunities recommended for your major |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR EN 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15.25 | | |

| Term 3 31.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | |
| ECN 212: Microeconomic Principles (SB) | 3 | C |
| ECN 221: Business Statistics (CS) | 3 | C |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16.25 | |

- Continuing first-year students will take WPC 248, after completing WPC 148
- New transfer students will take WPC 347
- Explore career resources
- Develop your professional online presence
- Meet with your W. P. Carey Career Coach
- Attend W. P. Carey and ASU Career Fairs

| **Term 4 47.50 - 62.50 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C |
| SCM 300: Global Supply Operations | 3 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| Humanities, Arts and Design (HU) | 3 | |
| Elective | 3 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one

| **Term 5 62.50 - 77.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| SCM 315: Business Decision Models | 3 | C |
| SCM 345: Logistics Management | 3 | C |
| ENG 302: Business Writing (L) | 3 | |
| MKT 300: Marketing and Business Performance | 3 | C |
| WPC 348: Junior Networking Foundations | 0.25 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 15.25 | |

- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume

| **Term 6 77.75 - 92.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| SCM 355: Supply Management (L) | 3 | C |
| SCM 432: Planning and Control Systems for Supply Chain Management | 3 | C |
| SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course AND Global Awareness (G) | 3 | C |
| MGT 300: Principles of Management and Leadership | 3 | C |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach
- Meet with your academic advisor to discuss your internship course options

| **Term 7 92.75 - 107.75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| SCM 455: Research and Negotiation | 3 | C |

| | | | |
|---|---|---|---|
| ★ SCM 479: Supply Chain Strategy (L) | 3 | C | • All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs<br>• Gather professional references<br>• Update your resume |
| FIN 300: Fundamentals of Finance | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| Elective OR WPC 484: Internship | 3 | | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND SCM 463 or International Business Course (G) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 8 107.75 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | • Apply for full-time career opportunities<br>• Meet with your academic advisor to discuss your internship course options |
| WPC 448: Senior Career Transition Management | 0.25 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Upper Division Elective | 2 | | |
| Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 12.25 | | |

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one course (3 credit hours)

- AGB 302: International Management and Agribusiness (G)
- ECN 306: Survey of International Economics (SB & G)
- MGT 302: Principles of International Business (G)
- MKT 425: Global Marketing Management (G)
- SCM 463: Global Supply Chain Management (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 50 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Supply Chain Management, BS

School/College: W. P. Carey School of Business
Location: Online, ASU Local
BASCMBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 101: Student Success in Business | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. W. P. Carey students take WPC 101 to fulfill this requirement |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club or organization<br>• Create your first college resume |
| SOC course (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • WPC 150 is required of all first-year business students. Transfer students will not be required to complete WPC 150 and will instead complete three hours of elective credit.<br>• Research study abroad opportunities recommended for your major |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| WPC 148: First-Year Introduction to Career Development | 0.25 | C | |
| WPC 150: Business and Society | 3 | C | |
| Term hours subtotal: | 9.25 | | |

| Term 2 - B 25.25 - 31.25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| PSY course (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 3 - A 31.25 - 40.25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | • Explore career resources.<br>• Meet with your W. P. Carey Career Coach<br>• Attend W. P. Carey and ASU Career Fairs |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 40.25 - 47.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Continuing first-year students will take WPC 248, after completing WPC 148<br>• New transfer students will take WPC 347<br>• Develop your professional online presence |
| WPC 248: Sophomore Career Narrative Design OR WPC 347: Intermediate Career Management | 0.25 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7.25 | | |

| Term 4 - A 47.50 - 54.50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) | 3 | C | • Attend W. P. Carey and ASU career fairs<br>• Apply for internships or create one |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 54.50 - 63.50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SCM 300: Global Supply Operations | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 63.50 - 69.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SCM 315: Business Decision Models | 3 | C | • Meet with your W. P. Carey Career Coach<br>• Update your resume |
| MKT 300: Marketing and Business Performance | 3 | C | |
| WPC 348: Junior Networking Foundations | 0.25 | C | |
| Term hours subtotal: | 6.25 | | |

| Term 5 - B 69.75 - 78.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SCM 345: Logistics Management | 3 | C | • Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. |
| ENG 302: Business Writing (L) | 3 | | |
| SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course AND Global Awareness (G) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 78.75 - 84.75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ SCM 355: Supply Management (L) | 3 | C | • Complete informational interviews |
| WPC 300: Problem Solving and Actionable Analytics | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 84.75 - 93.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 432: Planning and Control Systems for Supply Chain Management | 3 | C | • Complete an in person or virtual practice interview with your W. P. Carey Career Coach |
| FIN 300: Fundamentals of Finance | 3 | C | |
| MGT 300: Principles of Management and Leadership | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 93.75 - 101.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 455: Research and Negotiation | 3 | C | • All upper-division Business Core classes (including International Business course) must be completed before enrolling in WPC 480<br>• Attend W. P. Carey and ASU Career Fairs |
| Upper Division Elective | 2 | | |
| Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 8 | | |

| Term 7 - B 101.75 - 107.75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SCM 479: Supply Chain Strategy (L) | 3 | C | • Gather professional references<br>• Update your resume |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| ★ Complete FIN 300 AND LES 305 AND MGT 300 AND MKT 300 AND SCM 300 AND WPC 300 AND SCM 463 or International Business Course (G) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 107.75 - 114.00 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WPC 448: Senior Career Transition Management | 0.25 | C | • Apply for full-time career opportunities |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective OR WPC 484: Internship | 3 | | |
| Term hours subtotal: | 6.25 | | |

| Term 8 - B 114.00 - 120.00 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WPC 480: W. P. Carey Capstone Course (L) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

Upper Division International Business Course - select one (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Architectural Studies, BSD

School/College: Herberger Institute for Design and the Arts
Location: Tempe
ARSTDBSD

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DSC 100: ASU Design Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design School majors take DSC 100 to fulfill this requirement.<br>• Join a student club or professional organization |
| ARC 101: Architecture Project I | 3 | C | |
| ARC 111: Architecture of Architecture I | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARC 102: Architecture Project II | 3 | C | |
| ARC 112: Architecture of Architecture II | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) ( ALA 100 OR ALA 102 OR ARS 201 OR ARS 202 OR DSC 101 OR PUP 190 OR PUP 200 OR SOS 111 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) ( INT 131 OR PUP 190 OR SOS 110 OR SOS 111 OR SOS 171 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.75 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARC 201: Architecture Project III | 3 | C | • Develop your professional online presence .<br>• If CS: Computer Statistics is already met with prior credits, students may replace ART 108 or INT 121 or LAP 231 with any |
| ART 108: Digital Literacy for the Arts (CS) or INT 121: Introduction to Computer Modeling for Interior Design (CS) or LAP 231: Introduction to Digital Applications for Designers (CS) | 3 | C | |
| ARC Elective | 3 | C | |

| | | | |
|---|---|---|---|
| Architecture + Elective | 3 | C | other digital modeling, CAD, or BIM course. |
| Natural Science - Quantitative (SQ) ( CON 106 OR GLG 108 OR SES 141 OR SOS 182 recommended) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARC 202: Architecture Project IV | 3 | C | • Complete an in person or virtual practice interview |
| ARC Elective | 3 | C | |
| Architecture + Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) ( ALA 100 OR ARS 101 OR ARS 102 OR ARS 201 OR ARS 202 OR PUP 200 recommended) | 3 | | |
| Natural Science - General (SG) ( ART 320 OR BIO 130 OR CON 106 OR ENV 130 OR GLG 108 OR PHS 208 OR SCN 208 OR SCN 301 OR SES 141 OR SOS 182 recommended) | 4 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARC 301: Architecture Project V | 3 | C | • ARC 494 Architecture Bootcamp is intended only for students who have not completed ARC 201/202 (or any transferable equivalents) to provide additional project technique and skill building. Students who completed ARC 201/202 (or transferred equivalents) will NOT enroll in ARC 494 and instead will select an Upper Division ARC course of interest. |
| ARC 394: Architecture Bootcamp OR ARC Upper Division Elective | 3 | C | |
| Architecture + Elective | 3 | C | |
| Upper Division Architecture + Elective | 3 | C | |
| Literacy and Critical Inquiry (L) ( ARC 331 OR ARC 332 OR ARC 434 OR ARS 498 OR GRA 345 OR LAP 413 OR PUP 301 OR SOS 323 recommended) | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARC 302: Architecture Project VI | 3 | C | • Develop your skills |
| ARC 484: Internship OR ARC Upper Division Elective | 3 | C | |
| Upper Division Architecture + Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) ( ARC 331 OR ARC 332 OR ARC 434 OR GRA 345 OR LAP 413 OR PUP 301 OR SOS 320 recommended) | 3 | | |
| Upper Division Humanities, Arts and Design (HU) ( ARC 331 OR ARC 332 OR ARC 431 OR ARC 434 OR ARC 436 OR ARS 300 OR EDS 301 OR IND 316 OR IND 317 OR INT 310 OR INT 311 OR LAP 311 OR LAP 312 OR PUP 420 recommended) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARC 401: Architecture Studio I | 6 | C | • Gather professional references |
| ★ ARC 421: Architecture Technology I | 3 | C | |
| ★ ARC 441: Architecture Representation | 3 | C | |
| Elective | 3 | | |
| ★ Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARC 402: Architecture Studio II | 6 | C | |
| ★ ARC 422: Architecture Technology II | 3 | C | |
| ★ ARC 432: Architecture History | 3 | C | |
| ★ Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| ARC Electives (Project courses are repeatable) |
|---|
| ARC 101: Architecture Project I |
| ARC 102: Architecture Project II |
| ARC 201: Architecture Project III |
| ARC 202: Architecture Project IV |
| ARC 301: Architecture Project V |
| ARC 302: Architecture Project VI |
| ARC 331: World and Western Architecture I ((L or HU) & G & H) |
| ARC 332: World and Western Architecture II ((L or HU) & G & H) |
| ARC 351: Architecture of Collaboration |
| ARC 352: Architecture of Leadership |
| ARC 394: Special Topics |
| ARC 431: Contemporary Architecture and Urbanism 1970 to the Present (HU & H) |
| ARC 434: Great Cities ((L or HU) & H) |
| ARC 436: Charles and Ray Eames (HU) |
| ARC 484: Internship |
| ARC Elective |
| APH 494: Frank Lloyd Wright |

| Architecture + Space, Tommorow, and Beyond |
|---|
| IPI 241: Designing and Making (Electronics and Programming) |
| IPI 441: Designing and Making: Advanced Projects |
| SES 307: Space Works I: Design, Build, Test |
| SES 407: Space Works II: Model, Fabricate, Test |

| Architecture + Community and Urban Planning |
|---|
| ART 442: Art and Community |
| EDS 301: Sustainable Community Design and Practices (HU) |
| PUP 190: Sustainable Cities ((HU or SB) & G) |
| PUP 301: Introduction to Urban Planning (L) |
| PUP 360: Urban Geography (SB) |
| PUP 420: Theory of Urban Design (HU) |
| PUP 425: Urban Housing Issues (SB) |
| REA 441: Real Estate Land Development |
| PUP OR REA Elective |

APH 494: Peter Zumthor

APH 494: The Image of Rome

| Architecture + Construction & Building Technologies |
| --- |
| CON 101: Construction and Culture: a Built Environment (HU & H) |
| CON 106: Introduction to Concrete Materials for the Built Environment (SQ) |
| CON 223: Strength of Materials |
| CON 252: Building Construction Methods, Materials, and Equipment |
| INT 352: Construction Methods in Interior Design |
| INT 354: Construction Documents |
| INT 351: Ambient Environment |
| LAP 341: Landscape Construction I |
| CON Elective |

| Architecture + Stage and Screen |
| --- |
| PUP 200: Cities in Cinema (HU & H & G) |
| SLC 494: Narrative and Embodiment in Cinema |
| THP 213: Introduction to Technical Theatre |
| THP 301: Lighting, Sound, Media |
| THP 301: Theatrical Construction |
| THP 335: Stagecraft |
| THP 344: Hand Drafting for the Live Entertainment |
| THP 345: Lighting Design |
| THP 350: Sound Design |
| THP 440: Advanced Scene Design |
| THP 494: Art Direction |

| Architecture + Digital Modeling |
| --- |
| ART 108: Digital Literacy for the Arts (CS) |
| DSC 494: Assembled Reality - Image-making and Multimedia |
| DSC 494: Grasshopper |
| DSC 494: Rhino |
| GRA 294: Illustrator |
| GRA 294: InDesign |
| GRA 294: Photoshop |
| INT 121: Introduction to Computer Modeling for Interior Design (CS) |
| INT 123: Introduction to Computer-Aided Design and Building Information Modeling |
| LAP 231: Introduction to Digital Applications for Designers (CS) |
| LAP 332: GIS Applications in Environmental Design (CS) |
| GIS OR GIT Elective |

| Architecture + Fashion |
| --- |
| FSH 122: Apparel Construction I |
| FSH 201: Textiles Survey |
| FSH 203: Fashion Illustration I |
| FSH 204: Social Aspects of Fashion (L or HU or SB) |
| FSH 206: Fashion Design I or FSH 294: Fundamentals of Fashion Design |
| FSH 222: Apparel Construction II |
| FSH 280: Fashion Merchandising |
| FSH 304: Equity and Inclusion in Fashion |
| FSH 325: Personal Style and Wardrobe (HU) |
| FSH 360: Sustainable Systems in Fashion |
| FSH 385: Fashion Visual Merchandising |
| FSH 435: Contemporary Fashion (L or HU) |
| FSH Elective |

| Architecture + Sustainable Design, Building, and Communities |
| --- |
| ALA 100: Introduction to Environmental Design (HU & H & G) |
| ALA 102: Landscapes and Sustainability (HU & G) |
| LAP 251: Plant Materials for Sustainable Landscapes |
| LAP 352: Ecosystems and Sustainable Design |
| PUP 411: Environment, Justice and Cities |
| PUP 430: Transportation Planning and the Environment |
| SOS 100: Introduction to Sustainability (G) |
| SOS 110: Sustainable World (SB) |
| SOS 111: Sustainable Cities ((HU or SB) & G) |
| SOS 220: Systems Thinking |
| SOS 323: Sustainable Urban Dynamics |
| SOS 414: Urban and Environmental Health (SB) |

| Architecture + Creativity and Innovation |
| --- |
| ART 107: Photography as Experience |
| ART 109: Making as Seeing and Thinking |
| ART 110: Drawing as Seeing and Thinking (HU) |
| ART 123: Introduction to Photography for Nonmajors (HU) |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 218: 3D Tools |
| ART 467: Art and Ecology or SOS 467: Art and Ecology |
| DSC 394: Design Entrepreneurship & Society |
| DSC 494: City/Narrative Space: Placemaking/Public Media Art or HDA 494: City/Narrative Space: Placemaking/Public Media Art |
| EDS 201: Fundamentals of Sustainability in Design |
| ENT 340: Creativity and Innovation (L or HU) |

SOS 465: Sustainable Urbanism

ALA OR LAP OR SOS Elective

GRA 225: Communication/Interaction Design Theory

GRA 464: Collaborative Design Development I (L) or IND 464: Collaborative Design Development I (L) or SOS 474: Collaborative Design Development I (L)

GRA 465: Collaborative Design Development II (L) or IND 465: Collaborative Design Development II (L) or SOS 475: Collaborative Design Development II (L)

ART OR GRA OR EDS OR IND OR INT Elective

| Architecture + Film, Media, and Web |
| --- |
| AME 210: Media Editing |
| AME 220: Programming for the Web (CS) |
| AME 230: Programming for the Media Arts (CS) |
| ART 116: Introduction to Digital Media |
| ART 217: Introduction to Computer Animation |
| ART 218: 3D Tools |
| ART 244: Introduction to Interactive Environments |
| ART 302: The Still and Moving Image: Digital Photography and Video |
| ART 313: Experimental Film |
| CIS 300: Web Design and Development |
| FMP 180: Principles of Production Technology |
| FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro |
| FMP 225: Principles of Visual Effects Compositing |
| FMP 240: Introduction to Animation for Film |
| FMP 255: Media Authorship (CS) |
| FMP 280: Introduction to Film and Media Production |
| FMP 300: Film Production: Non-Majors |
| FMP 494: Cinema and Game Worlds |
| FMP 494: Cinema and the City |
| AME OR FMP OR CPI Elective |

| Architecture + Diversity, Equity, Inclusion, and Social Justice |
| --- |
| ASB 101: Anthropology: Understanding Human Diversity (SB & G) |
| BIS 350: Diversity and Organizations (L & C) |
| SOS 310: Equity, Justice and Sustainability or OGL 350: Diversity and Organizations (L & C) |
| IND 243: Design for Ecology and Social Equity |
| IND 344: Human Factors in Design |
| SBS 301: Cultural Diversity ((L or SB) & C) |
| CRJ 270: Community Justice (SB) |
| CRJ 304: Inequality, Crime and Criminal Justice |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| FIS 444: Environment and Justice (L & C) |
| JUS 105: Introduction to Justice Studies (SB) |
| JUS 235: Disability, Justice and Advocacy (C) or JUS 305: Principles of Justice Studies (SB) |
| JUS 320: Community and Social Justice (SB & C) |
| JUS 350: Immigration and Justice (SB & C) |
| JUS 370: Cultural Diversity and Justice ((L or HU) & C) |
| JUS 371: Sexuality and Social Justice |
| JUS 405: Inequality, Economy and Justice ((L or SB) & G) |
| SOC 325: Globalization and Socio-Economic Justice (SB & G) |
| SOC 432: Racial Justice (L) |

| Architecture + Business & Entrepreneurship |
| --- |
| ACC 231: Uses of Accounting Information I |
| ACC 382: Accounting and Financial Analysis |
| DSC 494: Practice Management |
| ECN 211: Macroeconomic Principles (SB) |
| ECN 212: Microeconomic Principles (SB) |
| ENG 301: Writing for the Professions (L) |
| ENT 290: Entrepreneurship: Opportunity to Impact |
| ENT 305: Principles of Entrepreneurship |
| ENT 360: Entrepreneurship and Value Creation |
| FIN 300: Fundamentals of Finance |
| GRA 345: Design Rhetoric (L) |
| INT 472: Professional Practice for Interior Design |
| LAP 371: Professional Practice |
| MGT 380: Management and Strategy for Nonmajors |
| MKT 390: Essentials of Marketing |
| MKT 395: Essentials of Advertising and Marketing Communication |
| MKT 391: Essentials of Selling |
| OGL 220: Behavioral Dynamics in Organizations (SB) |
| OGL 300: Theory and Practice of Leadership |
| OGL 200: Introduction to Organizational Leadership (SB) |
| OGL 350: Diversity and Organizations (L & C) |

PUP 411: Environment, Justice and Cities

WST 235: Disability, Justice and Advocacy (C)

CRJ OR JUS OR JHR OR WST Elective

REA 380: Real Estate Fundamentals

REA 401: Real Estate Appraisal

REA 411: Real Estate Law

TEM 200: My Technology Venture

TEM 230: Creativity and Business Innovation

TEM 400: Technology Entrepreneurship

TWC 347: Written Communication for Managers (L)

ACC OR BUA OR ECN OR ENT OR FIN OR MGT OR MKT OR OGL OR REA OR TEM Elective

Architecture + Design Philosophies, Theories and Histories

ARS 100: Introduction to Art (HU) or ARS 300: Introduction to Art (HU)

ARS 102: Art from Renaissance to Modernism (HU & H)

ARS 404: Greek Art (HU & H)

ARS 406: Roman Art (HU & H)

ARS 418: German Renaissance and Reformation Art (HU)

ARS 422: Italian High Renaissance Art and Mannerism (HU)

ARS 424: Italian Baroque Art (HU & H)

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 465: Native Art of North America (HU & C & H)

ARS 472: Art of China (HU)

GRA 401: Creative Environment

HDA 294: Turrell & Roden Crater: Art, Design, and Tech

INT 111: Interior Design Issues and Theories (HU)

INT 131: Design and Human Behavior (SB)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LAP 311: History of Landscape Architecture (HU & H)

| |
|---|
| LAP 312: 20th-Century Landscape Architecture (HU) |
| LAP 413: Landscape Architecture Theory and Criticism (L) |
| PUP 363: History of Planning |
| PUP 412: History of the City ((L or HU) & H) |
| PUP 465: Sustainable Urbanism |
| PUP 420: Theory of Urban Design (HU) |
| SOS 309: History and Philosophy of Sustainability |
| ARS Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Animation), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIARTANBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101 ASU: The Art Experience is required of all first-year art majors only.<br>• Select your career interest communities and play me3@ASU. |
| ART 111: Foundation Drawing | 3 | C | |
| ART 116: Introduction to Digital Media | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 217: Introduction to Computer Animation | 3 | C | • Join a student club or professional organization. |
| ART 113: Pictorial Investigations and Color Theory | 3 | C | |
| ART 115: 3D Design | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | • Develop your skills. |
| ART 212: Figure Drawing for Animation | 3 | C | |
| ART 308: 2D Digital Animation I | 3 | C | |
| ART 346: 3D Computer Imaging and Animation (CS) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | • Explore an internship. |
| ART 294: Introduction to Storyboarding OR ART 312: Illustration | 3 | C | |
| ART 309: 2D Digital Animation II | 3 | C | |
| ART 348: Animation Motion Studies | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 417: Storyboarding and Narrative Sequencing or ART 394: Sound for Animation | 3 | C | • Art students cannot take ARA 311. ARS 100, or ARS 300.<br>• Use Handshake to research employment opportunities. |
| ART 361: Junior Animation Projects I | 3 | C | |
| Upper Division Animation Elective | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 417: Storyboarding and Narrative Sequencing or ART 394: Sound for Animation | 3 | C | • Art students cannot take ARA 311 or ARS 300. |
| ARS 445: History of Animation | 3 | C | |
| ART 362: Junior Animation Projects II | 3 | C | |
| Upper Division Animation Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 461: Animation Capstone I | 3 | C | • Art Upper Division Elective course cannot be ARA 311 or ARS 300.<br>• Gather professional references. |
| Upper Division Animation Elective | 3 | C | |
| ARS course (HU) Upper Division | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| Elective OR ART 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 462: Animation Capstone II | 3 | C | • Art students cannot take ARA 311 or ARS 300. |
| *Complete 2 courses:*<br>Upper Division Animation Elective | 6 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

- Upper Division Animation Elective
- AME 330: Digital-Physical Systems
- AME 410: Interactive Materials
- AME 444: Media Installations
- AME 494: Animating Virtual Worlds
- ART 312: Illustration
- ART 314: Intermediate Figure Drawing
- ART 317: Advanced Digital Photography
- ART 394: 3-D Digital Modeling
- ART 394: 3D Tools for Sculptors II
- ART 394: 3D Visual Effects
- ART 424: Stop Motion Animation
- ART 428: Video and Sound as Sculptural Materials
- ART 439: Studio Inquiry: Practice and Cultural Context
- ART 440: Experimental Video Art
- ART 449: Computer Animation and Video
- ART 494: Stop Motion Animation II
- ART 494: Time, Narrative & the Multiple
- ART 494: Visual Prototyping
- ART 494: Women/Art/Technology
- CPI 311: Game Engine Development
- CPI 321: Fundamentals of Game Art
- CPI 411: Graphics for Games
- CPI 421: 3-D Modeling and Texturing
- FMP 325: Intermediate Visual Effects Compositing
- FMS 351: Emerging Digital Media
- FMS 354: Critical Studies in Animation
- FMS 394: Writing for Video Games
- FMS 409: Advanced Screenwriting
- FMS 442: Experimental Narrative (HU)
- FMS 494: Contemporary Television and New Media
- GIT 312: Computer Animation and Motion Graphics (CS)

GIT 411: Visual Narrative in Motion Graphics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Art Education), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTEBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101 ASU: The Art Experience is required of all first-year art majors only.<br>• Studio recommendation:FallART 113 and ART 115, Spring ART 111, ART 116<br>• Select your Career Interest Communities and play me3@ASU. |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ART 113: Pictorial Investigations and Color Theory | 3 | C | |
| ART 115: 3D Design | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 111: Foundation Drawing | 3 | C | • For students not pursuing K-12 certification, replace SPE 222 (SB) with Social Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C).<br>• Join a student club or professional organization. |
| ART 116: Introduction to Digital Media | 3 | C | |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARE 250: Teaching Inquiry in Art | 3 | B- | • Minimum grade of B- or better in ARE 250 is required.<br>• TEL 215 is recommended for students seeking teacher certification. |
| ART 114: Expanded Arts Studio | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) ( TEL 215 recommended) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |

Term hours subtotal: 16

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 2D Art Course | 3 | C | • Develop your skills.<br>• Create a first draft resume. |
| ARA 240: Encounters with Contemporary Art | 3 | C | |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning | 3 | C | |
| Literacy and Critical Inquiry (L) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARE 370: Teaching Visual Culture | 3 | C | • For certification: Apply for an Identity Verified Print (IVP) DPS fingerprint card.<br>• For certification: Complete the Teachers College Acknowledgement form.<br>• Teachers College requirement: Use this link http://bit.ly/ivpcard to upload the front and back of your IVP fingerprint clearance card. As you upload the card, please include your name and address.<br>• Need a minimum 2.25 ASU GPA to begin Upper Division Teachers College coursework.<br>• Use Handshake to research employment opportunities. |
| ARE 446: Multicultural Issues in Art Education | 3 | C | |
| 2D or 3D Art Course | 3 | C | |
| 3D Art Course (ART 261 recommended) | 3 | C | |
| Upper Division Art History Asian/African/Native Am./Latin Am. Focus | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARE 482: Teaching Art Processes | 3 | C | • For students not pursuing K-12 certification, replace BLE 408 with upper division Literacy and Critical Inquiry (L) requirement and TEL 366 with an upper division elective. |
| ARE 496: Methods and Assessment of Learning in Art | 3 | C | |
| BLE 408: Structured English Immersion (SEI) Methods (L) | 3 | C | |
| TEL 366: Internship: Intermediate | 1 | C | |
| Upper Division Art Education Proficiency Course | 3 | C | |
| Upper Division Art History Modern Focus | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARE 486: Art Education: Strategies and Applications | 3 | C | • For students not pursuing K-12 certification, replace TEL 477 with upper division electives.<br>• Gather professional references. |
| TEL 477: Internship: Advanced | 2 | C | |
| *Complete 2 courses:*<br>Upper Division Art Education Proficiency Course | 6 | C | |
| ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| TEL 488: Student Teaching | 11 | C |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | |
| Term hours subtotal: | 12 | |

- For students not pursuing K-12 certification, replace TEL 488 and TEL 471 with upper division electives.
- Apply for full-time career opportunities.

Hide Course List(s)/Track Group(s)

| 2D Art Course |
|---|
| ART 121: Introduction to Photography I |
| ART 122: Introduction to Photography II |
| ART 203: Photography: Material Studies I |
| ART 206: Digital Photography I |
| ART 207: Digital Photography II |
| ART 208: View Camera Photography |
| ART 211: Drawing |
| ART 214: Figure Drawing |
| ART 215: Photography: Digital Compositing |
| ART 217: Introduction to Computer Animation |
| ART 223: Painting |
| ART 227: Watercolor |
| ART 253: Introduction to Printmaking |

| 3D Art Course |
|---|
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 218: 3D Tools |
| ART 231: Sculpture I |
| ART 235: 3D Tools for Sculptors |
| ART 261: Ceramic Survey |
| ART 272: Introduction to Metals and Jewelry |
| ART 274: Wood I |
| ART 276: Introduction to Textiles |

| Art Education Proficiency Courses (Requires approval; see note in Term 4) |
|---|
| ARA Elective |
| ARE Elective |
| ARS Elective |
| ART Elective |

| Upper Division Art History Asian/African/Native Am./Latin Am. Focus |
|---|
| ARS 362: Survey of Aztec, Maya and Inka Art (HU) |
| ARS 369: Mexican Art (HU) |
| ARS 394: Anime |
| ARS 394: Islamic Art |
| ARS 394: Art of India and South Asia |
| ARS 394: Modern and Contemporary Chinese Art |
| ARS 402: Art of Ancient Egypt (HU & H) |
| ARS 403: Art of the Aztec Empire |
| ARS 472: Art of China (HU) |
| ARS 473: Art of Japan (HU) |
| ARS 475: Chinese Painting (HU) |
| ARS 494: Buddhist Art |

| Upper Division Art History Modern Focus |
|---|
| ARS 330: The Portrait (HU) |
| ARS 340: Art in America (HU & H) |
| ARS 345: Art and Television |
| ARS 370: The Art of the Comic |
| ARS 394: Anime |
| ARS 394: Modern and Contemporary Chinese Art |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 439: Art of the 20th Century II (HU & H) |
| ARS 440: Identity and World Film (C) |
| ARS 441: Public Art |
| ARS 445: History of Animation |
| ARS 460: Art Now |
| ARS 485: Women in the Visual Arts (L) |

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Histories of African Art and Visual Culture

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 494: Modern & Contemporary Latin American Art: A Survey

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Identity Politics & Exhibitions

ARS 494: Modern & Contemporary Latin American Art: A Survey

ARS 494: Transformative Exhibitions Since the 1990s

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 498: Theories of Modern Sculpture (L)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Art History), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTHBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101: The Art Experience is required of all first-year art majors.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your Career Interest Communities and play me3@ASU. |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV . | 4 | C | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | • Join a student club or professional organization. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV . | 4 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU) | 3 | C | • ARS Elective cannot be ARS 100 or ARS 300. |

| | | | |
|---|---|---|---|
| ARS Elective | 3 | C | • Develop your skills. |
| ARA OR ARE OR APH OR ART Elective | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV . | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU) | 3 | C | • Create a first draft resume.<br>• Explore an internship. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV . | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 13 | | |

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Art History Asian/African/Native Am./Latin Am.Focus | 3 | C | • Art Elective cannot be ARA 311.<br>• Use Handshake to research employment opportunities. |
| Upper Division Art History Renaissance/Baroque Focus | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Art History Ancient/Medieval Focus | 3 | C | • Art Elective cannot be ARA 311. |
| Upper Division Art History Modern Focus | 3 | C | |
| ARA OR ARE OR APH OR ART Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 480: Research Methods (L) | 3 | C | • Art Elective cannot be ARA 311.<br>• ARS elective cannot be ARS 300. |
| ARS Upper Division Elective | 3 | C | |
| ARA OR ARE OR APH OR ART Elective | 3 | C | |
| Upper Division Elective OR ART 484: Internship | 3 | | |

| | | |
|---|---|---|
| Upper Division Elective | 3 | |
| Term hours subtotal: | 15 | |

- ARS 480 Research Methods: Students will engage in research and a sustained writing project. ARS 480 is fall only.
- Gather professional references.

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARS Upper Division Elective | 3 | C | |
| ARS Upper Division Elective | 3 | C | |
| ARS course (HU) Upper Division | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- ARS elective cannot be ARS 300.
- ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.
- Apply for full-time career opportunities.

Hide Course List(s)/Track Group(s)

| Upper Division Art History Ancient/Medieval Focus |
|---|
| ARS 394: Art and Myth in Ancient Greece |
| ARS 394: Egyptian Art and Culture |
| ARS 394: Islamic Art |
| ARS 394: Medieval Art: Cross-Cultural Perspectives |
| ARS 402: Art of Ancient Egypt (HU & H) |
| ARS 404: Greek Art (HU & H) |
| ARS 406: Roman Art (HU & H) |
| ARS 414: Monasteries, Madonnas and Manuscripts (HU & H) |
| ARS 498: Greek Sculpture: Geometric through Hellenistic (L) |
| ARS 498: Pompeii & Herculaneum (L) |
| ARS 498: Pro-Seminar (L) |
| ARS 498: Tutankahmen & His Times (L) |

| Upper Division Art History Modern Focus |
|---|
| ARS 330: The Portrait (HU) |
| ARS 331: 18th- and 19th-Century European Jewelry Design |
| ARS 340: Art in America (HU & H) |
| ARS 345: Art and Television |
| ARS 370: The Art of the Comic |
| ARS 394: 20th Century American & European Jewelry Design |
| ARS 394: Anime |
| ARS 394: Modern and Contemporary Chinese Art |
| ARS 435: The Pre-Raphaelites |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 439: Art of the 20th Century II (HU & H) |
| ARS 440: Identity and World Film (C) |
| ARS 443: Artists in Film: Artists' Biopics |
| ARS 445: History of Animation |
| ARS 485: Women in the Visual Arts (L) |
| ARS 498: Art and Money (L) |
| ARS 498: Art & Technology (L) |
| ARS 498: Contemporary Art of Asia (L) |
| ARS 498: Fakes and Forgeries in Art (L) |
| ARS 498: New Woman Artist 1900-1945 (L) |

| Upper Division Art History Renaissance/Baroque Focus |
|---|
| ARS 310: The Renaissance in Tuscany |
| ARS 330: The Portrait (HU) |
| ARS 394: Art of Italian Renaissance |
| ARS 418: German Renaissance and Reformation Art (HU) |
| ARS 422: Italian High Renaissance Art and Mannerism (HU) |
| ARS 424: Italian Baroque Art (HU & H) |
| ARS 498: Pro-Seminar (L) |
| ARS 498: The Renaissance Book: Graphics (L) |

ARS 498: Pro-Seminar (L)

ARS 498: Self, Trauma, and Affect in Art (L)

ARS 498: Surrealism & Ethnography (L)

ARS 498: Theories Modern Sculpture (L)

ARS 498: Visual Culture Studies (L)

Upper Division Art History
Asian/African/Native Am./Latin Am. Focus

ARS 362: Survey of Aztec, Maya and Inka Art (HU)

ARS 369: Mexican Art (HU)

ARS 394: Anime

ARS 394: Egyptian Art and Culture

ARS 394: Islamic Art

ARS 394: Modern and Contemporary Chinese Art

ARS 402: Art of Ancient Egypt (HU & H)

ARS 444: Films of India

ARS 465: Native Art of North America (HU & C & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

ARS 494: Art of the Inka and their Ancestors

ARS 494: Global Textiles and Fashion

ARS 494: Histories of African Art and Visual Culture

ARS 494: Oceanic Art

ARS 498: Contemporary Art of Asia (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Art History), BA

School/College: Herberger Institute for Design and the Arts
Location: Online, ASU Local
FAARTHBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. |
| HDA 101: ASU and Herberger Institute Experience | 1 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | • View ASU Online first-year student registration information here.<br>• Play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU) | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU) | 3 | C | • Think about joining a club or civic group in your area of career interest. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS Upper Division Elective | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. |
| Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American SIgn Language. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 32 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American SIgn Language. | 4 | C | • Career steps: Shadow someone in the job/career you are considering. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 39 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA OR ARE OR APH OR ART Elective | 3 | C | |
| Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American SIgn Language. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 46 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Create a first draft resume |
| Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American SIgn Language. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 53 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Art History Asian/African/Native Am./Latin Am. Focus | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 60 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Art History Ancient/Medieval Focus | 3 | C | • Explore internships in your area |
| ARA OR ARE OR APH OR ART Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 66 - 72 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Art History Renaissance/Baroque Focus | 3 | C | |
| ARS Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Upper Division Art History Modern Focus | 3 | C | • Use Handshake to research employment opportunities |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 7 - A 79 - 85 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 85 - 91 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARA OR ARE OR APH OR ART Elective | 3 | C | • Complete an in person or virtual practice interview. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARS Upper Division Elective | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 97 - 103 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 103 - 109 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARS course (HU) Upper Division | 3 | C | • Gather professional references |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 109 - 115 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS Upper Division Elective | 3 | C | • Apply for full-time career opportunities |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 115 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARS 480: Research Methods (L) | 3 | C | • ARS 480 Research Methods: Students will engage in research and a sustained writing project. |
| Elective | 2 | | |
| Term hours subtotal: | 5 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Art History Ancient/Medieval Focus |
| --- |
| ARS 394: Art and Myth in Ancient Greece |
| ARS 394: Egyptian Art and Culture |
| ARS 394: Islamic Art |
| ARS 394: Medieval Art: Cross-Cultural Perspectives |
| ARS 402: Art of Ancient Egypt (HU & H) |
| ARS 498: Greek Sculpture: Geometric through Hellenistic (L) |

| Upper Division Art History Modern Focus |
| --- |
| ARS 330: The Portrait (HU) |
| ARS 331: 18th- and 19th-Century European Jewelry Design |
| ARS 340: Art in America (HU & H) |
| ARS 345: Art and Television |
| ARS 370: The Art of the Comic |
| ARS 394: 20th Century American & European Jewelry Design |
| ARS 394: Anime |
| ARS 394: Modern and Contemporary Chinese Art |
| ARS 435: The Pre-Raphaelites |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 440: Identity and World Film (C) |
| ARS 445: History of Animation |
| ARS 485: Women in the Visual Arts (L) |
| ARS 498: Contemporary Art of Asia (L) |
| ARS 498: Theories of Modern Sculpture (L) |
| ARS 498: Art & Technology (L) |

| Upper Division Art History Renaissance/Baroque Focus |
| --- |
| ARS 330: The Portrait (HU) |
| ARS 394: Art of Italian Renaissance |
| ARS 498: The Renaissance Book: Graphics (L) |

| Upper Division Art History Asian/African/Native Am./Latin Am. Focus |
| --- |
| ARS 369: Mexican Art (HU) |
| ARS 394: Anime |
| ARS 394: Egyptian Art and Culture |
| ARS 394: Islamic Art |
| ARS 394: Modern and Contemporary Chinese Art |
| ARS 402: Art of Ancient Egypt (HU & H) |
| ARS 472: Art of China (HU) |
| ARS 473: Art of Japan (HU) |
| ARS 494: Global Textiles and Fashion |
| ARS 494: Histories of African Art and Visual Culture |
| ARS 494: Oceanic Art |
| ARS 498: Contemporary Art of Asia (L) |

**Notes:**

- 

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Art Studies), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTSTDBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101 ASU: The Art Experience is required of all first-year art majors only.<br>• Select your Career Interest Communities and play me3@ASU. |
| *Complete 2 courses:*<br>ART 110: Drawing as Seeing and Thinking (HU) OR ART 114: Expanded Arts Studio or ART 108: Digital Literacy for the Arts (CS) OR ART 113: Pictorial Investigations and Color Theory or ART 107: Photography as Experience OR ART 115: 3D Design or ART 109: Making as Seeing and Thinking | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | • Join a student club or professional organization<br>• By the end of Term 2, students should complete one course from ART 110 or ART 111; one course from ART 114 or ART 108; one course from ART 113 or ART 107; and one course from ART 115 or ART 109. |
| *Complete 2 courses:*<br>ART 110: Drawing as Seeing and Thinking (HU) or ART 111: Foundation Drawing OR ART 114: Expanded Arts Studio or ART 108: Digital Literacy for the Arts (CS) OR ART 113: Pictorial Investigations and Color Theory or ART 107: Photography as Experience OR ART 109: Making as Seeing and Thinking | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | • Develop your skills. |
| *Complete 2 courses:* | | | |

| | | |
|---|---|---|
| ARA OR ART Elective | 6 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 16 | |

| **Term 4 47 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:* ARA OR ART Elective | 6 | C | • Create a first draft resume<br>• Explore an internship |
| ARA 240: Encounters with Contemporary Art OR ARA 195: Art in My World (HU) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ARA OR ART Elective | 3 | C | • Art Elective course cannot be ARA 311.<br>• Work with academic advisor to develop performing arts and history of performance and related studies coursework plan.<br>• Use Handshake to research employment opportunities. |
| Upper Division Related Studies Elective | 3 | C | |
| ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 78 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ARA 396: Professional Practices for Design and the Arts | 3 | C | • Art Upper Division Elective course cannot be ARA 311 or ARS 300.<br>• Elective can be replaced with an internship (ART 484).<br>• Students may take ARA 396 in a different term if needed. |
| *Complete 2 courses:* Upper Division Related Studies Elective | 6 | C | |
| ARA OR ART Upper Division Elective | 3 | C | |
| Upper Division Elective OR ART 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 93 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ARA OR ART Upper Division Elective | 3 | C | • Art Upper Division Elective course cannot be ARA 311 or ARS 300.<br>• Gather professional references. |
| *Complete 2 courses:* Upper Division Related Studies Elective | 6 | C | |
| ARS Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 108 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:* ARA OR ART Upper Division Elective | 6 | C | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | • Art Upper Division Elective course cannot be ARA 311 or ARS 300.<br>• Apply for full-time career opportunities. |
| Term hours subtotal: | 12 | |

Hide Course List(s)/Track Group(s)

Upper Division Related Studies Electives

Choose a course related to art outside of the School of Art from the options below:

- AFR Upper Division Elective
- AIS Upper Division Elective
- AME Upper Division Elective
- APA Upper Division Elective
- APH Upper Division Elective
- ASB Upper Division Elective
- DCE Upper Division Elective
- FMS Upper Division Elective
- GIT Upper Division Elective
- GRA Upper Division Elective
- HST Upper Division Elective
- IAP Upper Division Elective
- MUS Upper Division Elective
- REL Upper Division Elective
- TCL Upper Division Elective
- THE Upper Division Elective
- WST Upper Division Elective
- Upper Division Humanities, Arts and Design (HU)
- Upper Division Literacy and Critical Inquiry (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Art Studies), BA

School/College: Herberger Institute for Design and the Arts
Location: Online, ASU Local
FAARTSTDBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 107: Photography as Experience OR ART 108: Digital Literacy for the Arts (CS) OR ART 109: Making as Seeing and Thinking OR ART 110: Drawing as Seeing and Thinking (HU) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-HDA: The ASU Experience | 1 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 107: Photography as Experience OR ART 108: Digital Literacy for the Arts (CS) OR ART 109: Making as Seeing and Thinking OR ART 110: Drawing as Seeing and Thinking (HU) | 3 | C | • View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 107: Photography as Experience OR ART 108: Digital Literacy for the Arts (CS) OR ART 109: Making as Seeing and Thinking OR ART 110: Drawing as Seeing and Thinking (HU) | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 107: Photography as Experience OR ART 108: Digital Literacy for the Arts (CS) OR ART 109: Making as Seeing and Thinking OR ART 110: Drawing as Seeing and Thinking (HU) | 3 | C | • Career planning tip: Think about joining a club or civic group in your area of career interest. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 31 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | • Career steps: Shadow someone in the job/career you are considering. |
| ARA OR ART Elective | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 37 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA OR ART Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 43 - 50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA OR ART Elective | 3 | C | • Career tip: Gather documentation of your past work for a future portfolio. Explore internship opportunities in your area. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 50 - 56 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA OR ART Elective | 3 | C | |
| ARA OR ART Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 56 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA OR ART Elective | 3 | C | • Visit Career Services for career advising, webinars, career postings and a Career Guide. |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 63 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 195: Art in My World (HU) | 3 | C | |
| ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Studies Elective | 3 | C | |
| ARA OR ART Upper Division Elective | 3 | C | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Studies Elective | 3 | C | • Visit Career Services for career advising, webinars, career postings and a Career Guide. |
| ARS Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Related Studies Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARA OR ART Upper Division Elective | 3 | C | • Gather professional references. |
| Upper Division Related Studies Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA OR ART Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARA OR ART Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 396: Professional Practices for Design and the Arts | 3 | C | • Students may take ARA 396 in a different term if needed. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Related Studies Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Related Studies Electives |
| --- |
| Choose a course related to art outside of the School of Art from the options below: |
| AFR Upper Division Elective |
| AIS Upper Division Elective |
| AME Upper Division Elective |
| APA Upper Division Elective |
| APH Upper Division Elective |
| ASB Upper Division Elective |
| DCE Upper Division Elective |
| FMS Upper Division Elective |
| GIT Upper Division Elective |
| GRA Upper Division Elective |
| HST Upper Division Elective |
| IAP Upper Division Elective |
| MUS Upper Division Elective |
| REL Upper Division Elective |
| TCL Upper Division Elective |
| THE Upper Division Elective |
| WST Upper Division Elective |
| Upper Division Humanities, Arts and Design (HU) |
| Upper Division Literacy and Critical Inquiry (L) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Ceramics), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTCBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101 ASU: The Art Experience is required of all first-year art majors only.<br>• Select your Career Interest Communities and play me3@ASU. |
| ART 115: 3D Design | 3 | C | |
| ART 116: Introduction to Digital Media OR ART 113: Pictorial Investigations and Color Theory | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 261: Ceramic Survey | 3 | C | • Join a student club or professional organization. |
| ART 111: Foundation Drawing | 3 | C | |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 2D Art Course | 3 | C | • Develop your skills |
| ART 113: Pictorial Investigations and Color Theory OR ART 114: Expanded Arts Studio | 3 | C | |
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 2D or 3D Art Course | 3 | C | • ARA 240: Encounters with Contemporary Art is required for BFA majors.<br>• Gather documentation of your past work for future portfolio.<br>• Explore internships. |
| 3D Art Course | 3 | C | |
| ARA 240: Encounters with Contemporary Art | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 360: Ceramic Throwing | 3 | C | • Students must complete six hours of upper division ARS coursework (not from ARS 300); must include one Asian/African/Native Am./Latin Am. Focus course and one Modern or Contemporary Focus course.<br>• Use Handshake to research employment opportunities. |
| ART 460: Ceramic Clay | 3 | C | |
| Upper Division Art History Modern Focus | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 364: Ceramic Handbuilding I | 3 | C | • ART 460 is only offered during odd numbered Fall semesters; ART 463 is only offered during even numbered Spring semesters. Please meet with an academic advisor for scheduling information.<br>• Art Elective course cannot be ARA 311, ARS 100 or ARS 300. |
| ART 463: Ceramic Glaze Research | 3 | C | |
| Upper Division Art History Asian/African/Native Am./Latin Am. Focus | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 396: Professional Practices for Design and the Arts | 3 | C | • Art Upper Division Elective courses cannot be ARA 311 or ARS 300.<br>• Gather professional references. |
| *Complete 2 courses:*<br>Upper Division Ceramics Art Elective | 6 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| Elective OR ART 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 482: Senior Exhibitions/Portfolio | 3 | C | • Art Upper Division Elective courses cannot be ARA 311 or ARS 300.<br>• Complete ART 482 Senior Exhibitions/Portfolio and finalize your portfolio. |
| Upper Division Ceramics Art Elective | 3 | C | |
| *Complete 2 courses:*<br>ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 6 | C | |

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

| 2D Art Course |
| --- |
| ART 121: Introduction to Photography I |
| ART 122: Introduction to Photography II |
| ART 203: Photography: Material Studies I |
| ART 206: Digital Photography I |
| ART 207: Digital Photography II |
| ART 208: View Camera Photography |
| ART 211: Drawing |
| ART 214: Figure Drawing |
| ART 215: Photography: Digital Compositing |
| ART 217: Introduction to Computer Animation |
| ART 223: Painting |
| ART 227: Watercolor |
| ART 253: Introduction to Printmaking |

| 3D Art Course |
| --- |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 218: 3D Tools |
| ART 231: Sculpture I |
| ART 235: 3D Tools for Sculptors |
| ART 272: Introduction to Metals and Jewelry |
| ART 274: Wood I |
| ART 276: Introduction to Textiles |

| 2D or 3D Art Course |
| --- |
| ART 121: Introduction to Photography I |
| ART 122: Introduction to Photography II |
| ART 203: Photography: Material Studies I |
| ART 206: Digital Photography I |
| ART 207: Digital Photography II |
| ART 208: View Camera Photography |
| ART 211: Drawing |
| ART 214: Figure Drawing |
| ART 215: Photography: Digital Compositing |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 217: Introduction to Computer Animation |
| ART 218: 3D Tools |
| ART 223: Painting |
| ART 227: Watercolor |
| ART 231: Sculpture I |
| ART 235: 3D Tools for Sculptors |
| ART 253: Introduction to Printmaking |
| ART 272: Introduction to Metals and Jewelry |
| ART 274: Wood I |
| ART 276: Introduction to Textiles |

| Upper Division Ceramics Art Elective |
| --- |
| ART 365: Ceramic Handbuilding II |
| ART 394: Altered Vessels |
| ART 394: Ceramics |
| ART 394: Slipcasting |
| ART 494: Advanced Slipcasting |
| ART 494: Art and Science |
| ART 494: Ceramic Design |
| ART 494: Ceramic Tableware Design |

| Upper Division Art History Asian/African/Native Am./Latin Am. Focus |
| --- |
| ARS 362: Survey of Aztec, Maya and Inka Art (HU) |
| ARS 369: Mexican Art (HU) |
| ARS 394: Anime |
| ARS 394: Islamic Art |
| ARS 394: Art of India and South Asia |
| ARS 394: Modern and Contemporary Chinese Art |
| ARS 402: Art of Ancient Egypt (HU & H) |

| Upper Division Art History Modern Focus |
| --- |
| ARS 330: The Portrait (HU) |
| ARS 340: Art in America (HU & H) |
| ARS 345: Art and Television |
| ARS 370: The Art of the Comic |
| ARS 394: Anime |
| ARS 394: Modern and Contemporary Chinese Art |
| ARS 438: Art of the 20th Century I (HU & H) |

ART 494: China Painting

ARS 403: Art of the Aztec Empire

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

ARS 494: Buddhist Art

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Histories of African Art and Visual Culture

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 494: Modern & Contemporary Latin American Art: A Survey

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film (C)

ARS 441: Public Art

ARS 445: History of Animation

ARS 460: Art Now

ARS 485: Women in the Visual Arts (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Identity Politics & Exhibitions

ARS 494: Modern & Contemporary Latin American Art: A Survey

ARS 494: Transformative Exhibitions Since the 1990s

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 498: Theories of Modern Sculpture (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Digital Photography), BFA

School/College: Herberger Institute for Design and the Arts
Location: Online, ASU Local
HIARTDPBFA

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 206: Digital Photography I | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| HDA 101: ASU and Herberger Institute Experience | 1 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 207: Digital Photography II | 3 | C | • View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Complete ART 206 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | • Career planning tip: Think about joining a club or civic group in your area of career interest. |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 250: History of Photography (HU) | 3 | C | |

| | | |
|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Term hours subtotal: | 6 | |

| Term 3 - B 31 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | • Career steps: Shadow someone in the job/career you are considering. |
| ART 116: Introduction to Digital Media | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 37 - 43 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 209: Photography Now | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 43 - 50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • For elective - recommend ART 294: Light and Truth in Photography<br>• Career tip: Gather documentation of your past work for a future portfolio. Explore internship opportunities in your area. |
| Elective | 3 | | |
| Complete ARS 101 AND ARS 102 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 50 - 56 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 317: Advanced Digital Photography | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 56 - 62 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Photography Elective | 3 | C | • Visit Career Services for career advising, webinars, career postings and a Career Guide.<br>• The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 62 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area | 3 | C | |
| Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Photography Elective OR Upper Division Photography Research Topic | 3 | C | • Visit Career Services for career advising, webinars, career postings and a Career Guide.<br>• The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406. |
| Upper Division Related Area | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Photography Elective OR Upper Division Photography Research Topic | 3 | C | • The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Photography Elective | 3 | C | • Gather professional references.<br>• The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division ARS Modern Focus | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Photography Elective | 3 | C | • The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406.<br>• Begin planning for your Photography Capstone by talking with your faculty. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) ( MCO 450 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Photography Elective | 3 | C | • The following four courses may be taken twice for credit: ART 302, ART 400, ART 402, ART 406.<br>• Recommend ART 394 Photography Capstone Development Elective |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ART 407: Digital Photography Capstone | 3 | C | |

| | | |
|---|---|---|
| Upper Division Related Area | 3 | C |
| Term hours subtotal: | 6 | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Photography Elective |
|---|
| ART 302: The Still and Moving Image: Digital Photography and Video |
| ART 319: Photo Editing: Narrative/Non-Narrative |
| ART 394: Art and Activism |
| ART 394: Death and Photography |
| ART 394: Experimental Photo Processes |
| ART 394: Identity & Representation in Photography |
| ART 394: Photography Capstone Development |
| ART 394: Photo Topics: Photography and Sustainability |
| ART 394: Sick Pictures: Photography and Illness |
| ART 400: The Photobook |
| ART 401: Traditional Genres in Digital Photography: Land and Place |
| ART 402: Traditional Genres in Digital Photography: Photographing People |
| ART 405: Traditional Genres in Digital Photography: The Constructed Image |
| ART 406: New Genres in Digital Photography |
| ART 412: Advanced Techniques in Digital Photography |
| ART 494: Art and Censorship |
| Upper Division ARS Modern Focus |
| ARS 330: The Portrait (HU) |
| ARS 340: Art in America (HU & H) |
| ARS 345: Art and Television |
| ARS 370: The Art of the Comic |

| Upper Division Photography Research Topics |
|---|
| ART 394: Art and Activism |
| ART 394: Death and Photography |
| ART 394: Identity & Representation in Photography |
| ART 394: Photo Topics: Photography and Sustainability |
| ART 394: Sick Pictures: Photography and Illness |

| Upper Division Related Area Course |
|---|
| ARA 396: Professional Practices for Design and the Arts |
| ART 446: On Walking |
| ARA 489: Writing Art and Design Criticism (L) |
| FMS 351: Emerging Digital Media |
| MCO 307: The Digital Audience |
| MCO 335: Social Media Foundations |
| MCO 425: Digital Media Literacy I |
| MCO 450: Visual Communication (HU) |
| MCO 460: Race, Gender, and Media (C) |
| MCO 473: Sex, Love, and Romance in the Mass Media (SB) |

ARS 394: Anime

ARS 394: Modern and Contemporary Chinese Art

ARS 438: Art of the 20th Century I (HU & H)

ARS 445: History of Animation

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Art (Expanded Arts), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTIBFA

**This program's name has changed effective Fall 2023. The previous name was Art (Intermedia).**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101 ASU: The Art Experience is required of all first-year art majors only.<br>• Select your career interest communities and play me3@ASU. |
| ART 113: Pictorial Investigations and Color Theory OR ART 115: 3D Design | 3 | C | |
| ART 114: Expanded Arts Studio or ART 116: Introduction to Digital Media | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 111: Foundation Drawing OR ART 113: Pictorial Investigations and Color Theory | 3 | C | • Join a student club or professional organization. |
| ART 114: Expanded Arts Studio or ART 116: Introduction to Digital Media | 3 | C | |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning | 3 | C | • ART 216 recommended to be completed by Term 3. |
| 2D Art Course | 3 | C | |

| | | |
|---|---|---|
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 2D or 3D Art Course | 3 | C | • ARA 240: Encounters with Contemporary Art is required for BFA majors.<br>• Gather documentation of your past work for your future portfolio.<br>• Explore an internship. |
| 3D Art Course | 3 | C | |
| ARA 240: Encounters with Contemporary Art | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 330: Issues in Expanded Arts | 3 | C | • ARS Upper Division Elective cannot be ARS 300.<br>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.<br>• Use Handshake to research employment opportunities. |
| Upper Division Intermedia Elective | 3 | C | |
| ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 396: Professional Practices for Design and the Arts | 3 | C | • ART 439: Intermedia Studio is only offered in the spring semester. |
| ART 439: Studio Inquiry: Practice and Cultural Context | 3 | C | |
| ART 440: Experimental Video Art OR ART 444: Short Subject: Documentary Video | 3 | C | |
| Upper Division Art History Modern Focus | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 443: Performance Art: Actions, Gestures, Journeys | 3 | C | • ARS Upper Division Elective cannot be ARS 300.<br>• Art Upper Division Elective course cannot be ARA 311 or ARS 300.<br>• Gather professional references. |
| Upper Division Art History Asian/African/Native Am./Latin Am. Focus | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Intermedia Elective | 6 | C | |
| Elective OR ART 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ART 482: Senior Exhibitions/Portfolio | 3 | C | • Complete ART 482: Senior Exhibitions/Portfolio and finalize portfolio. |
| Upper Division Intermedia Elective | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Elective | 1 | C | |
| Elective | 2 | | |
| Term hours subtotal: | 12 | | |

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); these must include 6 upper division hours, one Asian/African/Native Am./Latin Am. Focus course, and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th Century Focus course and elective must be upper division and one must include an HU general studies designation.

Hide Course List(s)/Track Group(s)

| 2D Art Course | 3D Art Course | 2D or 3D Art Course |
|---|---|---|
| ART 121: Introduction to Photography I | ART 218: 3D Tools | ART 121: Introduction to Photography I |
| ART 122: Introduction to Photography II | ART 231: Sculpture I | ART 122: Introduction to Photography II |
| ART 203: Photography: Material Studies I | ART 235: 3D Tools for Sculptors | ART 203: Photography: Material Studies I |
| ART 206: Digital Photography I | ART 261: Ceramic Survey | ART 206: Digital Photography I |
| ART 207: Digital Photography II | ART 272: Introduction to Metals and Jewelry | ART 207: Digital Photography II |
| ART 208: View Camera Photography | ART 274: Wood I | ART 208: View Camera Photography |
| ART 211: Drawing | ART 276: Introduction to Textiles | ART 211: Drawing |
| ART 214: Figure Drawing | | ART 214: Figure Drawing |
| ART 215: Photography: Digital Compositing | | ART 215: Photography: Digital Compositing |
| ART 217: Introduction to Computer Animation | | ART 217: Introduction to Computer Animation |
| ART 223: Painting | | ART 218: 3D Tools |
| ART 227: Watercolor | | ART 223: Painting |
| ART 253: Introduction to Printmaking | | ART 227: Watercolor |
| | | ART 231: Sculpture I |
| | | ART 235: 3D Tools for Sculptors |
| | | ART 253: Introduction to Printmaking |
| | | ART 261: Ceramic Survey |
| | | ART 272: Introduction to Metals and Jewelry |
| | | ART 274: Wood I |
| | | ART 276: Introduction to Textiles |

| Upper Division Intermedia Elective | | Upper Division Art History Modern Focus |
|---|---|---|

ART 308: 2D Digital Animation I

ART 312: Illustration

ART 346: 3D Computer Imaging and Animation (CS)

ART 348: Animation Motion Studies

ART 378: Digital Textiles

ART 417: Storyboarding and Narrative Sequencing

ART 424: Stop Motion Animation

ART 440: Experimental Video Art

ART 442: Art and Community

ART 444: Short Subject: Documentary Video

ART 494: Art and Science

ART 494: Time, Narrative & the Multiple

ART 494: Visual Prototyping

ART 494: Women/Art/Technology

ART 499: Individualized Instruction

Upper Division Art History Asian/African/Native Am./Latin Am. Focus

ARS 362: Survey of Aztec, Maya and Inka Art (HU)

ARS 369: Mexican Art (HU)

ARS 394: Anime

ARS 394: Islamic Art

ARS 394: Art of India and South Asia

ARS 394: Modern and Contemporary Chinese Art

ARS 402: Art of Ancient Egypt (HU & H)

ARS 403: Art of the Aztec Empire

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

ARS 494: Buddhist Art

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Histories of African Art and Visual Culture

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 494: Modern & Contemporary Latin American Art: A Survey

ARS 330: The Portrait (HU)

ARS 340: Art in America (HU & H)

ARS 345: Art and Television

ARS 370: The Art of the Comic

ARS 394: Anime

ARS 394: Modern and Contemporary Chinese Art

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film (C)

ARS 441: Public Art

ARS 445: History of Animation

ARS 460: Art Now

ARS 485: Women in the Visual Arts (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Identity Politics & Exhibitions

ARS 494: Modern & Contemporary Latin American Art: A Survey

ARS 494: Transformative Exhibitions Since the 1990s

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 498: Theories of Modern Sculpture (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Museum Studies), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTMSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Museum and Heritage Studies Core, take ARS 120 and ARS 121<br>• Select your career interest communities and play me3@ASU. |
| *Complete 2 courses:*<br>Museum and Heritage Studies Core | 6 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Museum and Heritage Studies Core | 6 | C | • For the Museum and Heritage Studies Core, take ARS 221 and ARS 494 Museum & Heritage Careers<br>• Join a student club or professional organization. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Museum and Heritage Studies Core | 3 | C | • Develop your skills. |
| Museum and Heritage Studies Focus Course | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | |
|---|---|---|
| Minimum 3.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Museum and Heritage Studies Focus Course | 6 | C | • Create a first draft resume.<br>• Explore an internship. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Museum and Heritage Studies Focus Course | 3 | C | • Use Handshake to research employment opportunities. |
| *Complete 2 courses:* Upper Division Museum and Heritage Studies Elective | 6 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Museum and Heritage Studies Focus Course | 3 | C | • Museum Studies students should speak with the internship coordinator, Dr. Betsy Fahlman, regarding internship opportunities. |
| *Complete 2 courses:* Upper Division Museum and Heritage Studies Elective | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 12 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Museum and Heritage Studies Focus Course | 3 | C | • Gather professional references. |
| *Complete 2 courses:* Upper Division Museum and Heritage Studies Elective | 6 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 498: Pro-Seminar (L) | 3 | C | • ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.<br>• Apply for full-time career opportunities. |
| Upper Division Museum and Heritage Studies Focus Course | 3 | C | |
| Upper Division Museum and Heritage Studies Elective | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- Museum and Heritage Studies Focus: Complete 21 credits total between 1-2 of the listed prefixes. These courses provide a range of potentially useful information on museum and heritage studies. All course substitutions must be approved by the School of Art.

Hide Course List(s)/Track Group(s)

| Museum and Heritage Studies Core |
| --- |
| ARS 120: Introduction to Global Museum Studies |
| ARS 121: Introduction to Global Heritage Studies |
| ARS 221: Museum and Heritage Histories, Theories and Debates |
| ARS 223: Introduction to Museums and Social Justice |
| ARS 494: Museum & Heritage Careers |

| Upper Division Museum and Heritage Studies Electives |
| --- |
| AFR 428: Critical Race Theory |
| ARA 396: Professional Practices for Design and the Arts |
| ARA 489: Writing Art and Design Criticism (L) |
| ARS 323: Curatorial Activism |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 439: Art of the 20th Century II (HU & H) |
| ARS 480: Research Methods (L) |
| ARS 484: Internship |
| ARS 494: Contemporary Indigenous Art & Museums |
| ARS 494: Contemporary Issues in Curatorial Practice |
| ARS 494: Curating the Contemporary |
| ARS 494: Decolonizing Museums |
| ARS 494: Identity Politics & Exhibitions |
| ARS 494: Philosophy of Curatorial Practice: 1800-Present |
| ARS 494: Transformative Exhibitions Since the 1990s |
| ASB 350: Anthropology and Art (HU) |
| NLM 310: Volunteer Management |
| SGS 360: Cultural Aspects of Globalization |
| TDM 448: Heritage and Cultural Tourism |

| Museum and Heritage Studies Focus |
| --- |
| ACC 382: Accounting and Financial Analysis |
| ARS Upper Division Elective |
| PAF 300: Public Management and Administration |
| PAF 340: Contemporary Policy Challenges |
| PAF 420: Managing Across Boundaries |
| TDM 345: Meeting and Convention Planning |
| TDM 350: Tourism, Recreation and Sports Marketing |
| TDM 448: Heritage and Cultural Tourism |
| TDM 458: International Tourism (G) |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

- Museum and Heritage Studies Focus: Complete 21 total credits. These courses provide a range of potentially useful information on museum and heritage studies.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Museum Studies), BA

School/College: Herberger Institute for Design and the Arts
Location: Online, ASU Local
FAARTMSBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Museum and Heritage Studies Core | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• For the Museum and Heritage Studies Core, take ARS 120. |
| HDA 101: ASU and Herberger Institute Experience | 1 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Museum and Heritage Studies Core | 3 | C | • For the Museum and Heritage Studies Core, take ARS 121.<br>• View ASU Online first-year student registration information here.<br>• Play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Museum and Heritage Studies Core | 3 | C | • For the Museum and Heritage Studies Core, take ARS 494: Museum & Heritage Careers. |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Museum and Heritage Studies Core | 3 | C | • For the Museum and Heritage Studies Core, take ARS 221.<br>• Think about joining a club or civic group in your area of career interest. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Museum and Heritage Studies Core | 3 | C | |

| | | | |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • For the Museum and Heritage Studies Core, take ARS 223. |
| Term hours subtotal: | 6 | | |

| Term 3 - B 31 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Museum and Heritage Studies Focus Course | 3 | C | • Career steps: Shadow someone in the job/career you are considering. |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 37 - 43 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Museum and Heritage Studies Focus Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 43 - 49 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Create a first draft resume |
| Upper Division Museum and Heritage Studies Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 49 - 56 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Museum and Heritage Studies Focus Course | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 56 - 62 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Museum and Heritage Studies Elective | 3 | C | • Explore internships in your area |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 62 - 68 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Museum and Heritage Studies Focus Course | 3 | C | |
| Upper Division Museum and Heritage Studies Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 68 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Museum and Heritage Studies Elective | 3 | C | • Use Handshake to research employment opportunities |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Museum and Heritage Studies Focus Course | 6 | C | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Museum and Heritage Studies Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Museum and Heritage Studies Focus Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Museum and Heritage Studies Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | • Gather professional references |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Museum and Heritage Studies Elective | 3 | C | • Apply for full-time career opportunities |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ARS 498: Pro-Seminar (L) | 3 | C | • ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 3 | | |
| Term hours subtotal: | 3 | | |

- Museum and Heritage Studies Focus: Complete 21 credits total between 1-2 of the listed prefixes. These courses provide a range of potentially useful information on museum and heritage studies. All course substitutions must be approved by the School of Art.

Hide Course List(s)/Track Group(s)

Museum and Heritage Studies Core

Museum and Heritage Studies Focus

| | | |
|---|---|---|
| ARS 120: Introduction to Global Museum Studies | Upper Division Museum and Heritage Studies Electives | ACC 382: Accounting and Financial Analysis |
| ARS 121: Introduction to Global Heritage Studies | AFR 428: Critical Race Theory | ARS Upper Division Elective |
| ARS 221: Museum and Heritage Histories, Theories and Debates | ARA 396: Professional Practices for Design and the Arts | PAF 300: Public Management and Administration |
| ARS 223: Introduction to Museums and Social Justice | ARA 489: Writing Art and Design Criticism (L) | PAF 340: Contemporary Policy Challenges |
| ARS 494: Museum & Heritage Careers | ARS 323: Curatorial Activism | PAF 420: Managing Across Boundaries |
| | ARS 438: Art of the 20th Century I (HU & H) | TDM 345: Meeting and Convention Planning |
| | ARS 439: Art of the 20th Century II (HU & H) | TDM 350: Tourism, Recreation and Sports Marketing |
| | ARS 480: Research Methods (L) | TDM 448: Heritage and Cultural Tourism |
| | ARS 484: Internship | TDM 458: International Tourism (G) |
| | ARS 494: Contemporary Indigenous Art & Museums | |
| | ARS 494: Contemporary Issues in Curatorial Practice | |
| | ARS 494: Curating the Contemporary | |
| | ARS 494: Decolonizing Museums | |
| | ARS 494: Identity Politics & Exhibitions | |
| | ARS 494: Philosophy of Curatorial Practice: 1800-Present | |
| | ARS 494: Transformative Exhibitions Since the 1990s | |
| | ASB 350: Anthropology and Art (HU) | |
| | NLM 310: Volunteer Management | |
| | SGS 360: Cultural Aspects of Globalization | |
| | TDM 448: Heritage and Cultural Tourism | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Museum and Heritage Studies Focus: Complete 21 total credits. These courses provide a range of potentially useful information on museum and heritage studies.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Painting and Drawing), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIARTPDBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101: The Art Experience is required of all first-year art majors only.<br>• Select your career interest communities and play me3@ASU. |
| ART 111: Foundation Drawing | 3 | C | |
| ART 113: Pictorial Investigations and Color Theory | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 115: 3D Design | 3 | C | • Join a student club or professional organization |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ART 114: Expanded Arts Studio | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 211: Drawing | 3 | C | • Develop your skills. |
| ART 223: Painting | 3 | C | |
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | |
| ART 108: Digital Literacy for the Arts (CS) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 227: Watercolor OR ART 214: Figure Drawing | 3 | C | • Gather documentation of your past work for your future portfolio<br>• Explore internships<br>• 2D or 3D Art course - ART253 recommended |
| 2D or 3D Art Course | 3 | C | |
| ARA 240: Encounters with Contemporary Art | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 323: Intermediate Painting | 3 | C | • Use Handshake to research employment opportunities |
| ART 311: Intermediate Drawing | 3 | C | |
| Upper Division Art History Modern Focus | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 396: Professional Practices for Design and the Arts | 3 | C | |
| ART 327: Intermediate Watercolor OR ART 325: Figure Painting OR ART 314: Intermediate Figure Drawing | 3 | C | |
| Upper Division Art History Asian/African/Native Am./Latin Am. focus | 3 | C | |
| Upper Division Drawing/Painting Elective | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Drawing/Painting Elective | 6 | C | • Recommend ARA 489 Writing Art and Design Criticismfor Upper Division Literacy<br>• Gather professional references |
| ART 429: Painting and Drawing Research Studio | 3 | C | |
| ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 482: Senior Exhibitions/Portfolio | 3 | C | • Complete ART 482: Senior Exhibitions/Portfolio and finalize portfolio |
| Upper Division Drawing/Painting Elective | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| Elective OR ART 484: Internship | 3 | | |
| Term hours subtotal: | 12 | | |

- Students must complete nine hours of ARS coursework (not from ARS 100 or 300); must include six hours upper-division, one Asian/African/Native Am./Latin Am. Focus course, and one Modern Focus course. If students take a lower-division Asian/African/Native Am./Latin Am. Focus course, the Modern Focus course and elective must be upper-division and one must include an HU General Studies designation.

Hide Course List(s)/Track Group(s)

| 2D or 3D Art Course |
| --- |
| ART 121: Introduction to Photography I |
| ART 122: Introduction to Photography II |
| ART 203: Photography: Material Studies I |
| ART 206: Digital Photography I |
| ART 207: Digital Photography II |
| ART 208: View Camera Photography |
| ART 214: Figure Drawing |
| ART 215: Photography: Digital Compositing |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 217: Introduction to Computer Animation |
| ART 218: 3D Tools |
| ART 227: Watercolor |
| ART 231: Sculpture I |
| ART 235: 3D Tools for Sculptors |
| ART 253: Introduction to Printmaking |
| ART 261: Ceramic Survey |
| ART 272: Introduction to Metals and Jewelry |
| ART 274: Wood I |
| ART 276: Introduction to Textiles |

| Upper Division Drawing/Painting Elective |
| --- |
| ART 314: Intermediate Figure Drawing |
| ART 325: Figure Painting |
| ART 327: Intermediate Watercolor |
| ART 354: Screen Printing or ART 459: Monoprinting |
| ART 411: Advanced Drawing |
| ART 414: Advanced Figure Drawing |
| ART 423: Advanced Painting |
| ART 425: Intermediate Figure Painting |
| ART 427: Art on Paper |
| ART 494: China Painting |
| ART 494: Color and Sustainable Practice |
| ART 498: Pro-Seminar (L) |
| ART 499: Individualized Instruction |

| Upper Division Art History Asian/African/Native Am./Latin Am. Focus |
| --- |
| ARS 362: Survey of Aztec, Maya and Inka Art (HU) |
| ARS 369: Mexican Art (HU) |
| ARS 394: Anime |
| ARS 394: Islamic Art |
| ARS 394: Art of India and South Asia |
| ARS 394: Modern and Contemporary Chinese Art |
| ARS 402: Art of Ancient Egypt (HU & H) |
| ARS 403: Art of the Aztec Empire |
| ARS 472: Art of China (HU) |
| ARS 473: Art of Japan (HU) |
| ARS 475: Chinese Painting (HU) |
| ARS 494: Buddhist Art |
| ARS 498: Contemporary Art of Asia (L) |
| ARS 498: Contemporary Art of Southeast Asia (L) |
| ARS 494: Contemporary Indigenous Art & Museums |
| ARS 494: Histories of African Art and Visual Culture |
| ARS 498: Modern & Contemporary Art of India and South Asia (L) |
| ARS 494: Modern & Contemporary Latin American Art: A Survey |

| Upper Division Art History Modern Focus |
| --- |
| ARS 330: The Portrait (HU) |
| ARS 340: Art in America (HU & H) |
| ARS 345: Art and Television |
| ARS 370: The Art of the Comic |

ARS 394: Anime

ARS 394: Modern and Contemporary Chinese Art

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film (C)

ARS 441: Public Art

ARS 445: History of Animation

ARS 460: Art Now

ARS 485: Women in the Visual Arts (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Identity Politics & Exhibitions

ARS 494: Modern & Contemporary Latin American Art: A Survey

ARS 494: Transformative Exhibitions Since the 1990s

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 498: Theories of Modern Sculpture (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Photography), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTPHBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101: The Art Experience is required of all first-year art majors only.<br>• Select your career interest communities and play me3@ASU. |
| ART 116: Introduction to Digital Media | 3 | C | |
| ART 121: Introduction to Photography I | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 111: Foundation Drawing OR ART 115: 3D Design | 3 | C | • Join a student club or professional organization. |
| ART 122: Introduction to Photography II | 3 | C | |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 114: Expanded Arts Studio OR ART 115: 3D Design | 3 | C | • Develop your skills. |
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | |
| Lower Division Photography Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 240: Encounters with Contemporary Art | 3 | C | • Gather documentation of your past work for your professional portfolio.<br>• Explore internships. |
| 3D Art Course | 3 | C | |
| ARS 250: History of Photography (HU) | 3 | C | |
| Lower Division Photography Elective | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Photography Elective | 3 | C | • Art Upper Division Elective cannot be ARA 311 or ARS 300.<br>• Use Handshake to research employment opportunities. |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 396: Professional Practices for Design and the Arts | 3 | C | • Art Upper Division Elective cannot be ARA 311 or ARS 300. |
| *Complete 2 courses:*<br>Upper Division Photography Elective | 6 | C | |
| Upper Division Art History Asian/African/Native Am./Latin Am. Focus | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | • ARS Upper Division Elective cannot be ARS 300.<br>• Art Upper Division Elective cannot be ARA 311 or ARS 300.<br>• Gather professional references. |
| Upper Division Photography Elective | 3 | C | |
| ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR ART 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 482: Senior Exhibitions/Portfolio | 3 | C | • ARS Upper Division Elective cannot be ARS 300.<br>• Art Elective cannot be ARA 311, ARS 100 or ARS 300.<br>• Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio. |
| ARS Upper Division Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Photography Elective | 6 | C | |
| Term hours subtotal: | 12 | | |

- Students must complete 12 hours of ARS coursework (not from ARS 100 or 300); must include ARS 250, nine upper-division hours, and one Asian/African/Native Am./Latin Am. Focus course.

Hide Course List(s)/Track Group(s)

| 3D Art Course |
| --- |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 218: 3D Tools |
| ART 231: Sculpture I |
| ART 235: 3D Tools for Sculptors |
| ART 261: Ceramic Survey |
| ART 272: Introduction to Metals and Jewelry |
| ART 274: Wood I |
| ART 276: Introduction to Textiles |

| Lower Division Photography Elective |
| --- |
| ARA 209: Photography Now |
| ART 203: Photography: Material Studies I |
| ART 208: View Camera Photography |
| ART 215: Photography: Digital Compositing |
| ART 294: Digital Photography |
| ART 294: Photographic Lighting I |

| Upper Division Photography Elective |
| --- |
| ART 301: Photography: Material Studies II |
| ART 303: Portraiture Photography |
| ART 304: Junior Photographic Projects |
| ART 310: Landscape Photography |
| ART 313: Experimental Film |
| ART 318: Photography: Material Studies III |
| ART 394: Digital Printing |
| ART 394: Traditional & Contemporary Documentary Photography |
| ART 400: The Photobook |
| ART 394: Street Photography |
| ART 403: Senior Photographic Projects |
| ART 409: Photographic Exhibition |
| ART 467: Art and Ecology |
| ART 494: The Body and Representation |
| ART 494: Labor and Representation |
| ART 498: Pro-Seminar (L) |

| Upper Division Art History Asian/African/Native Am./Latin Am. Focus |
| --- |
| ARS 362: Survey of Aztec, Maya and Inka Art (HU) |
| ARS 369: Mexican Art (HU) |
| ARS 394: Anime |
| ARS 394: Islamic Art |
| ARS 394: Art of India and South Asia |
| ARS 394: Modern and Contemporary Chinese Art |
| ARS 402: Art of Ancient Egypt (HU & H) |
| ARS 403: Art of the Aztec Empire |
| ARS 472: Art of China (HU) |
| ARS 473: Art of Japan (HU) |

ARS 475: Chinese Painting (HU)

ARS 494: Buddhist Art

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Histories of African Art and Visual Culture

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 494: Modern & Contemporary Latin American Art: A Survey

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Printmaking), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTPMBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101: The Art Experience is required of all first-year art majors only.<br>• Select your career interest communities and play me3@ASU. |
| ART 113: Pictorial Investigations and Color Theory | 3 | C | |
| ART 114: Expanded Arts Studio OR ART 115: 3D Design | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 111: Foundation Drawing OR ART 116: Introduction to Digital Media | 3 | C | • Join a student club or professional organization. |
| ART 253: Introduction to Printmaking | 3 | C | |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 114: Expanded Arts Studio OR ART 115: 3D Design | 3 | C | • Develop your skills |
| 2D Art Course | 3 | C | |
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 2D or 3D Art Course | 3 | C | • Gather information of your past work for your future portfolio.<br>• Explore internships. |
| 3D Art Course | 3 | C | |
| ARA 240: Encounters with Contemporary Art | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 354: Screen Printing | 3 | C | • Use Handshake to research employment opportunities. |
| ARA OR ARE OR ARS OR ART OR FSH Lower Division Elective | 3 | C | |
| Upper Division Printmaking Elective | 3 | C | |
| Upper Division Art History Asian/ African/ Native Am./ Latin Am. Focus | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 396: Professional Practices for Design and the Arts | 3 | C | • ARS Upper Division Elective cannot be ARS 300.<br>• ART 354 must be completed by term 6. |
| ART 456: Letterpress Studio | 3 | C | |
| ART 351: Intaglio | 3 | C | |
| ARS course (HU) Upper Division | 3 | C | |
| Elective OR ART 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | • Art Upper Division Elective cannot be ARA 311 or ARS 300.<br>• Gather professional references. |
| *Complete 2 courses:*<br>Upper Division Printmaking Elective | 6 | C | |
| ARS Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 482: Senior Exhibitions/Portfolio | 3 | C | • Art Elective courses cannot be ARA 311, ARS 100 or ARS 300.<br>• Complete ART 482: Senior Exhibitions/Portfolio and finalize portfolio. |
| Upper Division Printmaking Elective | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| ARS Upper Division Elective | 3 | C | |
| Term hours subtotal: | 12 | | |

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course, and 2 upper division ARS electives. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, both ARS electives must be upper division and one must include an HU general studies designation.

Hide Course List(s)/Track Group(s)

| 2D Art Course |
| --- |
| ART 121: Introduction to Photography I |
| ART 122: Introduction to Photography II |
| ART 203: Photography: Material Studies I |
| ART 206: Digital Photography I |
| ART 207: Digital Photography II |
| ART 208: View Camera Photography |
| ART 211: Drawing |
| ART 214: Figure Drawing |
| ART 215: Photography: Digital Compositing |
| ART 217: Introduction to Computer Animation |
| ART 223: Painting |
| ART 227: Watercolor |

| 3D Art Course |
| --- |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 218: 3D Tools |
| ART 231: Sculpture I |
| ART 235: 3D Tools for Sculptors |
| ART 261: Ceramic Survey |
| ART 272: Introduction to Metals and Jewelry |
| ART 274: Wood I |
| ART 276: Introduction to Textiles |

| 2D or 3D Art Course |
| --- |
| ART 121: Introduction to Photography I |
| ART 122: Introduction to Photography II |
| ART 203: Photography: Material Studies I |
| ART 206: Digital Photography I |
| ART 207: Digital Photography II |
| ART 208: View Camera Photography |
| ART 211: Drawing |
| ART 214: Figure Drawing |
| ART 215: Photography: Digital Compositing |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 217: Introduction to Computer Animation |
| ART 218: 3D Tools |
| ART 223: Painting |
| ART 227: Watercolor |
| ART 231: Sculpture I |
| ART 235: 3D Tools for Sculptors |
| ART 261: Ceramic Survey |
| ART 272: Introduction to Metals and Jewelry |
| ART 274: Wood I |
| ART 276: Introduction to Textiles |

| Upper Division Printmaking Elective |
| --- |
| ART 352: Lithography |
| ART 394: Art Zines: Self-Publishing, Protest & Change |
| ART 445: Digital Processes for Printmaking |
| ART 451: Advanced Intaglio |
| ART 452: Advanced Lithography |

| Upper Division Art History Asian/African/Native Am./Latin Am. Focus |
| --- |
| ARS 362: Survey of Aztec, Maya and Inka Art (HU) |
| ARS 369: Mexican Art (HU) |
| ARS 394: Anime |
| ARS 394: Islamic Art |
| ARS 394: Art of India and South Asia |

ART 453: Experimental Printmaking: Expanding the Matrix

ART 454: Advanced Screen Printing

ART 455: Artists' Books

ART 458: Papermaking Studio

ART 459: Monoprinting

ART 494: Field to Museum: Art & Science Collections

ART 494: Time, Narrative & the Multiple

ARS 394: Modern and Contemporary Chinese Art

ARS 402: Art of Ancient Egypt (HU & H)

ARS 403: Art of the Aztec Empire

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

ARS 494: Buddhist Art

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Histories of African Art and Visual Culture

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 494: Modern & Contemporary Latin American Art: A Survey

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Sculpture), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTSBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101: The Art Experience is required of first-year art majors only.<br>• Select your career interest communities and play me3@ASU. |
| ART 114: Expanded Arts Studio | 3 | C | |
| ART 115: 3D Design | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 231: Sculpture I OR ART 272: Introduction to Metals and Jewelry or ART 274: Wood I | 3 | C | • Join a student club or professional organization. |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ART 111: Foundation Drawing | 3 | C | |
| ART 116: Introduction to Digital Media | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 231: Sculpture I OR ART 272: Introduction to Metals and Jewelry or ART 274: Wood I | 3 | C | • Develop your skills. |
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | |
| ART 235: 3D Tools for Sculptors | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 2D Art Course | 3 | C | • ARA 240: Encounters with Contemporary Art is required for BFA majors.<br>• Gather documentation of past works for your future portfolio.<br>• Explore an internship. |
| 3D Art Course | 3 | C | |
| ARA 240: Encounters with Contemporary Art | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 331: Sculpture II | 3 | C | • Students must complete six hours of upper-division ARS coursework (not from ARS 300). One course must have the HU designation.<br>• Art Elective course cannot be ARA 311, ARS 100 or ARS 300.<br>• Students may use their Upper Division Sculpture Electives to concentrate on Metals or Wood. Recommend ART 372 for Metals emphasis or ART 374 for Woods emphasis.<br>• Faculty recommend at least one of the following art history courses: ARS 438 or ARS 439.<br>• Use Handshake to research employment opportunities. |
| Upper Division Sculpture Elective | 3 | C | |
| Upper Division ARS Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 430: Advanced Sculpture: Materials and Techniques OR ART 434: Advanced Sculpture: Context and Content | 3 | C | • Students must complete six hours of upper-division ARS coursework (not from ARS 300).<br>• Upper Division Sculpture Elective: Recommend ART 373 for Metals emphasis or ART 474 for Woods emphasis. |
| Upper Division Sculpture Elective | 3 | C | |
| ARS Upper Division Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 396: Professional Practices for Design and the Arts | 3 | C | • Art Upper Division Elective courses cannot be ARA 311 or ARS 300.<br>• Upper Division Sculpture Elective: Recommend ART 472 for Metals emphasis.<br>• Gather professional references. |
| ART 430: Advanced Sculpture: Materials and Techniques OR ART 434: Advanced Sculpture: Context and Content | 3 | C | |
| Upper Division Sculpture Elective | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| Elective OR ART 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ART 482: Senior Exhibitions/Portfolio | 3 | C | • Art Upper Division Elective courses cannot be ARA 311 or ARS 300.<br>• Upper Division Sculpture Elective: Recommend ART 473 for Metals emphasis.<br>• Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio. |
| Upper Division Sculpture Elective | 3 | C | |
| *Complete 2 courses:*<br>ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 6 | C | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| 2D Art Course | 3D Art Course | Upper Division Sculpture Elective |
|---|---|---|
| ART 121: Introduction to Photography I | ART 216: Contemporary Art in Practice: Methods, Making, Meaning | ART 333: Foundry Casting Methods |
| ART 122: Introduction to Photography II | ART 218: 3D Tools | ART 372: Casting and Jewelry Techniques |
| ART 203: Photography: Material Studies I | ART 261: Ceramic Survey | ART 373: Form Emphasis in Metals |
| ART 206: Digital Photography I | ART 272: Introduction to Metals and Jewelry | ART 374: Wood II |
| ART 207: Digital Photography II | ART 274: Wood I | ART 424: Stop Motion Animation |
| ART 208: View Camera Photography | ART 276: Introduction to Textiles | ART 432: Neon Sculpture |
| ART 211: Drawing | | ART 433: Foundry Casting Methods |
| ART 214: Figure Drawing | | ART 435: Foundry Research Methods |
| ART 215: Photography: Digital Compositing | | ART 436: Architectural Sculpture |
| ART 217: Introduction to Computer Animation | | ART 438: Moving and Interactive Systems in Sculpture |
| ART 223: Painting | | ART 472: Advanced Jewelry and Surface Techniques |
| ART 227: Watercolor | | ART 473: Advanced Metals and Mechanisms |
| ART 253: Introduction to Printmaking | | ART 474: Advanced Wood |
| | | ART 494: Illumination Systems |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Art (Textiles), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAARTFBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101: The Art Experience is required of first-year art majors only.<br>• Select your Career Interest Communities and play me3@ASU. |
| ART 114: Expanded Arts Studio or ART 116: Introduction to Digital Media | 3 | C | |
| ART 115: 3D Design | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 111: Foundation Drawing | 3 | C | • Join a student club or professional organization. |
| ART 276: Introduction to Textiles | 3 | C | |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 114: Expanded Arts Studio or ART 116: Introduction to Digital Media | 3 | C | • Develop your skills |
| 2D Art Course | 3 | C | |
| ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Complete First-Year Composition requirement. | |
| Term hours subtotal: | 16 |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 3D Art Course | 3 | C | • ARA 240: Encounters with Contemporary Art is required for BFA majors.<br>• Gather documentation of your past works for your future portfolio.<br>• Explore an internship. |
| ARA 240: Encounters with Contemporary Art | 3 | C | |
| ART 376: Weaving and Dyeing OR ART 377: Textile Design | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 376: Weaving and Dyeing OR ART 377: Textile Design | 3 | C | • ART 376 only offered in the Fall semester.<br>• Use Handshake to research employment opportunities. |
| 2D or 3D Art Course | 3 | C | |
| Upper Division Art History Asian/African/Native Am./Latin Am. Focus | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 396: Professional Practices for Design and the Arts | 3 | C | |
| Upper Division Art History Modern Focus | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Textile Elective | 6 | C | |
| Elective OR ART 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 6 | C | • Art Upper Division Elective course cannot be ARA 311 or ARS 300.<br>• Gather professional references. |
| *Complete 2 courses:*<br>Upper Division Textile Elective | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ART 482: Senior Exhibitions/Portfolio | 3 | C | • Art Elective course cannot be ARA 311, ARS 100 or ARS 300.<br>• Complete ART 482 Senior Exhibitions/Portfolio and finalize portfolio. |
| Upper Division Textile Elective | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Upper Division Elective | 3 | C | |
| ARA OR ARE OR ARS OR ART OR FSH Elective | 3 | C | |
| Term hours subtotal: | 12 | | |

- Students must complete 6 hours of upper division ARS coursework (not from ARS 300); must include one Asian/African/Native Am./Latin Am. Focus course and one 20th Century Focus course.

Hide Course List(s)/Track Group(s)

| 2D Art Course |
| --- |
| ART 121: Introduction to Photography I |
| ART 122: Introduction to Photography II |
| ART 203: Photography: Material Studies I |
| ART 206: Digital Photography I |
| ART 207: Digital Photography II |
| ART 208: View Camera Photography |
| ART 211: Drawing |
| ART 214: Figure Drawing |
| ART 215: Photography: Digital Compositing |
| ART 217: Introduction to Computer Animation |
| ART 223: Painting |
| ART 227: Watercolor |
| ART 253: Introduction to Printmaking |

| 3D Art Course |
| --- |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 218: 3D Tools |
| ART 231: Sculpture I |
| ART 235: 3D Tools for Sculptors |
| ART 261: Ceramic Survey |
| ART 272: Introduction to Metals and Jewelry |
| ART 274: Wood I |

| 2D or 3D Art Course |
| --- |
| ART 121: Introduction to Photography I |
| ART 122: Introduction to Photography II |
| ART 203: Photography: Material Studies I |
| ART 206: Digital Photography I |
| ART 207: Digital Photography II |
| ART 208: View Camera Photography |
| ART 211: Drawing |
| ART 214: Figure Drawing |
| ART 215: Photography: Digital Compositing |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning |
| ART 217: Introduction to Computer Animation |
| ART 218: 3D Tools |
| ART 223: Painting |
| ART 227: Watercolor |
| ART 231: Sculpture I |
| ART 235: 3D Tools for Sculptors |
| ART 253: Introduction to Printmaking |
| ART 261: Ceramic Survey |
| ART 272: Introduction to Metals and Jewelry |
| ART 274: Wood I |

| Upper Division Textile Elective |
| --- |
| ART 376: Weaving and Dyeing |
| ART 377: Textile Design |
| ART 378: Digital Textiles |
| ART 476: Advanced Textile Construction |
| ART 477: Printed Textiles |
| ART 478: Advanced Surface to Form |

| Upper Division Art History Asian/African/Native Am./Latin Am. Focus |
| --- |
| ARS 362: Survey of Aztec, Maya and Inka Art (HU) |
| ARS 369: Mexican Art (HU) |
| ARS 394: Anime |
| ARS 394: Islamic Art |
| ARS 394: Art of India and South Asia |

| Upper Division Art History Modern Focus |
| --- |
| ARS 330: The Portrait (HU) |
| ARS 340: Art in America (HU & H) |
| ARS 345: Art and Television |
| ARS 370: The Art of the Comic |
| ARS 394: Anime |
| ARS 394: Modern and Contemporary Chinese Art |

ART 479: 3-D Fibers: Construction and Content

ART 494: Special Topics

ART 499: Individualized Instruction

ARS 394: Modern and Contemporary Chinese Art

ARS 402: Art of Ancient Egypt (HU & H)

ARS 403: Art of the Aztec Empire

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

ARS 494: Buddhist Art

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Histories of African Art and Visual Culture

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 494: Modern & Contemporary Latin American Art: A Survey

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film (C)

ARS 441: Public Art

ARS 445: History of Animation

ARS 460: Art Now

ARS 485: Women in the Visual Arts (L)

ARS 494: Contemporary Indigenous Art & Museums

ARS 494: Identity Politics & Exhibitions

ARS 494: Modern & Contemporary Latin American Art: A Survey

ARS 494: Transformative Exhibitions Since the 1990s

ARS 498: Contemporary Art of Asia (L)

ARS 498: Contemporary Art of Southeast Asia (L)

ARS 498: Modern & Contemporary Art of India and South Asia (L)

ARS 498: Theories of Modern Sculpture (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Arts (BA in the Arts), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAATSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience OR AME 101: ASU Digital Culture Experience OR DSC 100: ASU Design Experience OR HDA 101: ASU and Herberger Institute Experience OR MUP 101: The ASU School of Music Experience OR THE 125: Orientation to Theatre | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students; ARA 101, AME 101, DSC 100, THF 125 & MUP 101 are typically only offered in Fall semesters; HDA 101 is typically only offered in Spring semesters.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HDA 210: Creativity and Innovation in Design and the Arts | 3 | C | |
| Arts Discipline and Practice Course | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • By the end of the semester, students will select 1 of 3 possible focus areas: Arts Administration, Entertainment Design, or an Individual Focus. Students interested in pursuing an Individual Focus should contact their academic advisor for assistance with submitting their proposal for approval.<br>• Students must complete 3 hours each of the Historical and Theoretical Arts Studies area. One of them must be a Humanities. |
| Arts Discipline and Practice Course | 3 | C | |
| Historical and Theoretical Arts Studies AND Humanities, Arts and Design (HU) OR Historical and Theoretical Arts Studies with African/Asian/Latin American/Native American Focus AND Humanities, Arts and Design (HU) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 OR INT 121 OR MHL 201 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Arts Discipline and Practice Course | 3 | C | • Students must complete 3 hours each of the Historical and Theoretical Arts Studies area. One of them must be a Humanities. |
| Focus Area Course | 3 | C | |

| | | |
|---|---|---|
| Historical and Theoretical Arts Studies OR Historical and Theoretical Arts Studies with African / Asian / Latin American / Native American Focus | 3 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HDA 252: Foundations Arts and Design Entrepreneurship | 3 | C | • Create a first draft resume. |
| Arts Discipline and Practice Course | 3 | C | |
| Focus Area Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete Computer/Statistics/Quantitative Applications (CS) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Focus Area Course | 3 | C | • Explore an internship; after finding an internship, complete the Internship Application form request to receive course credit. |
| Fiscal or Statistical Literacy Elective | 3 | C | |
| Upper Division Arts Discipline and Practice Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HDA 397: Capstone Development | 1 | C | • Students are responsible for securing their own internship experience. Students must receive approval prior to working at the internship in order for the experience to apply as course credit.<br>• Gather professional references and format the information as an addendum to your resume. |
| HDA 484: Internship | 3 | C | |
| Critical Thinking and Analysis Elective | 3 | C | |
| Upper Division Community Engaged Practices Elective | 3 | C | |
| Upper Division Focus Area Course | 3 | C | |
| Elective | 2 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Capstone: Thesis or Independent Research Project | 3 | C | • For the Upper Division Capstone, please consult with faculty mentor and academic advisor for appropriate course options.<br>• Develop a website / portfolio to aid in applying for full-time careers. |
| Upper Division Focus Area Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |

| | |
|---|---|
| Term hours subtotal: | 15 |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Capstone: Thesis or Independent Research Project | 3 | C | • For the Upper Division Capstone, please consult with faculty mentor and academic advisor for appropriate course options. |
| Upper Division Focus Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- Students will select 1 of 3 possible focus area tracks: Arts Administration, Entertainment Design, or an Individual Focus. Students interested in pursuing an Individual Focus should contact their academic advisor for assistance with submitting their proposal for approval.

Hide Course List(s)/Track Group(s)

| Arts Discipline and Practice: Select 4 courses; 12 credits (at least 3 upper division) | Historical and Theoretical Arts Studies with African / Asian / Latin American / Native American Focus: Select 1 course; 3 credits | Historical and Theoretical Arts Studies: Select 1 course; 3 credits |
|---|---|---|
| ARC Elective | ARC 111: Architecture of Architecture I | ALA 100: Introduction to Environmental Design (HU & H & G) |
| ALA Elective | ARC 112: Architecture of Architecture II | ALA 102: Landscapes and Sustainability (HU & G) |
| AME Elective | ARC 432: Architecture History | AME 310: Media Literacies and Composition |
| ARA Elective | ARS 201: Art of Asia (HU & H & G) | APH Elective |
| ART Elective | ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | ARA 202: Understanding Photographs |
| DCE Elective | ARS 362: Survey of Aztec, Maya and Inka Art (HU) | ARA 498: Photography and Language (L) |
| DSC Elective | ARS 369: Mexican Art (HU) | ARC 111: Architecture of Architecture I |
| EDS Elective | ARS 403: Art of the Aztec Empire | ARC 112: Architecture of Architecture II |
| FMP Elective | ARS 444: Films of India | ARC 432: Architecture History |
| FSH Elective | ARS 465: Native Art of North America (HU & C & H) | ARS Elective |
| GRA Elective | ARS 472: Art of China (HU) | DCE 201: Dance, Culture, and Global Contexts (HU) |
| IND Elective | ARS 473: Art of Japan (HU) | DCE 202: Dance in U.S. Popular Culture (HU & C) |
| INT Elective | ARS 475: Chinese Painting (HU) | DCE 300: Dancing Histories (HU) |
| LAP Elective | DCE 201: Dance, Culture, and Global Contexts (HU) | DCE 301: Dance Analysis and Theory (L or HU) |
| MSC Elective | DSC 101: Design Awareness (HU & G) | DCE 302: History of American Hip Hop Dance (HU & C) |
| MUP Elective | FMP 340: Approaches to International Cinema (HU & G) | DCE 306: History of Salsa: Afro-Latin Social and Global Contexts (HU & C) |
| MUS Elective | FMP 404: World Cinema (G) | DCE 402: Ethnography of Dance Practices (L) |
| THE Elective | INT 415: Latin American Design | DSC 101: Design Awareness (HU & G) |
| THF Elective | | |
| THP Elective | | |

MHL 344: Music in World Cultures (HU & G)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

MUS 371: World Music (HU & G)

THE 422: Latinx Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

THE 475: Latin American Film ((L or HU) & G)

FMP 250: Sex and Violence in Film and TV: Ethics Survey

FMP 340: Approaches to International Cinema (HU & G)

FMP 404: World Cinema (G)

FMP 405: Special Topics

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LAP 311: History of Landscape Architecture (HU & H)

LAP 312: 20th-Century Landscape Architecture (HU)

LPH Elective

MHL Elective

MUS 131: Bach to Bebop (HU)

MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H)

MUS 347: Jazz in America (HU & C)

MUS 354: Special Topics

MUS 355: American Music (HU & C & H)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

MUS 371: World Music (HU & G)

MUS 410: History of Women in Music (HU & C & H)

THE 322: Theatre History and Culture (HU & H)

THE 406: American Multicultural Film (HU & C)

THE 420: Theatre in America (HU)

| | | |
|---|---|---|
| | | THE 421: Shakespeare: Stage and Film (L or HU) |
| | | THE 422: Latinx Theatre and Film (HU & C) |
| | | THE 423: African American Theatre (C) |
| | | THE 425: Chekhov and Russian Drama (L or HU) |
| | | THE 426: Pre-Columbian Theatre of the Americas |
| | | THE 430: History of Fashion I (HU) |
| | | THE 431: History of Fashion II: 20th-Century Fashion |
| | | THE 475: Latin American Film ((L or HU) & G) |
| Community Engaged Practices Elective | Critical Thinking and Analysis Elective | Fiscal or Statistical Literacy Elective |
| ART 442: Art and Community | AME 130: Prototyping Dreams (L) | ACC 231: Uses of Accounting Information I |
| DCE 494: The Atlas of Creative Tools or THP 494: The Atlas of Creative Tools or HDA 494: The Atlas of Creative Tools | ARA 489: Writing Art and Design Criticism (L) | ACC 232: Financial Accounting I |
| DSC 494: Indigenous Architecture, Planning and Construction | ARS 345: Art and Television | ACC 382: Accounting and Financial Analysis |
| DSC 494: Indigenous Project Delivery | ART 110: Drawing as Seeing and Thinking (HU) | ECN 211: Macroeconomic Principles (SB) |
| EDS 301: Sustainable Community Design and Practices (HU) | EDS 223: Design Thinking | ECN 212: Microeconomic Principles (SB) |
| HDA 394: Design & Arts Corps | FMP 403: Independent Film (HU) | ECN 221: Business Statistics (CS) |
| HDA 394: Disrupt, Create, Sustain | FMP 405: Film Genres, Part 2 | FIN 380: Personal Financial Management |
| HDA 494: Civ Prac: Artists&Designers Collaborating/Comm | MUS 213: Critical Thinking in the Arts (HU) | STP 226: Elements of Statistics (CS) |
| HDA 494: Civic Body: Art and Public Health | THE 421: Shakespeare: Stage and Film (L or HU) | |
| HDA 494: Civic Practice:Arts/Design & Public Partnerships | | |
| HDA 494: Creative Facilitation: Collaboration, Imagination | | |
| HDA 494: Creative Project Management | | |
| HDA 494: Design & Arts Corps | | |
| HUL 494: Special Topics | | |
| Notes: Any topic offered though ASU's Humanities Lab (https://humanities.lab.asu.edu/) | | |
| NLM 410: Social Entrepreneurship | | |
| THP 482: Theatre for Social Change (C) | | |
| Arts Administration Focus (0 or 18 credits) | Entertainment Design Focus (0 or 18 credits) | |

Students that select the Arts Administration Focus must complete 18 credits (at least 12 upper division credits) from this group.

MGT 380: Management and Strategy for Nonmajors or OGL 300: Theory and Practice of Leadership

MKT 390: Essentials of Marketing or MKT 395: Essentials of Advertising and Marketing Communication

Pick an additional four couses (12 more credits; at least 6 upper division credits):

ACC Elective

ARA 396: Professional Practices for Design and the Arts

ARA 460: Gallery Exhibitions

DSC 394: Design Entrepreneurship & Society

DSC 494: Practice Management

ECN Elective

ENT Elective

ENT 290: Entrepreneurship: Opportunity to Impact

FIN Elective

FMP 417: Business and Legal Practices in Entertainment

GRA 440: Finding Purpose

HDA 420: Design and the Arts Business Administration

HDA 494: Business Writing for Artists & Designers

INT 471: Facilities Management

MGT Elective

MGT 400: Cross-Cultural Management (C & G)

MKT Elective

MUP 438: The Enterprising Musician

MUP 439: Music Product Creation and Development

NLM Elective

NLM 220: Introduction to Nonprofit Organizations

NLM 235: Leadership and Ethics

Students that select the Entertainment Design Focus must complete 18 credits (at least 12 upper division credits) from this group.

AME 111: Introduction to Digital Culture (CS)

AME 112: Computational Thinking for Digital Culture

AME 130: Prototyping Dreams (L)

AME 230: Programming for the Media Arts (CS)

AME 320: Motion Capture for Integrative Systems

AME 340: Compositional and Computational Principles for Media Arts

AME 411: Advanced Interactive Sound

AME 470: Programming for Social and Interactive Media

ARA 460: Gallery Exhibitions

ART 110: Drawing as Seeing and Thinking (HU)

ART 116: Introduction to Digital Media

ART 123: Introduction to Photography for Nonmajors (HU)

ART 206: Digital Photography I

ART 207: Digital Photography II

ART 217: Introduction to Computer Animation

ART 261: Ceramic Survey

ART 274: Wood I

ART 346: 3D Computer Imaging and Animation (CS)

ART 348: Animation Motion Studies

DCE 100: Introduction to Dance (HU)

DCE 203: The Walking Body (HU)

DCE 240: Media for Dance (CS)

EDS 223: Design Thinking

FSH 435: Contemporary Fashion (L or HU)

FMP 201: Film: The Creative Process I (HU)

FMP 220: Film and Media Post-Production I

FMP 225: Principles of Visual Effects Compositing

Entertainment Design Focus Continued (0 or 18 credits)

IND 242: Materials and Design

IND 344: Human Factors in Design

INT 351: Ambient Environment

INT 446: Furniture Design and Production

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MUP 319: Advanced Audio Engineering in the Arts

MUS 100: Fundamentals of Music Notation

MUS 210: The Arts Around Us (HU)

MUS 211: Dance, Music and Meaning (HU)

MUS 212: Music, Meaning and Imagination (HU)

MUS 294: Music and Society

MUS 294: Producing Hip Hop and Dance Music I

MUS 294: Songwriting

MUS 355: American Music (HU & C & H)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

MUS 371: World Music (HU & G)

THF 101: Acting Introduction

THF 215: Design and Composition for Theatre and Film (HU)

THP 201: Theatre Production Crew

THP 213: Introduction to Technical Theatre

THP 214: Introduction to Costuming

THP 317: Stage Management

THP 330: Costume Design

THP 332: Makeup

THP 335: Stagecraft

THP 340: Scene Design

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

| | | |
|---|---|---|
| NLM 300: Fund Raising and Resource Development | FMP 240: Introduction to Animation for Film | THP 387: Acting VI |
| NLM 310: Volunteer Management | FMP 255: Media Authorship (CS) | THP 394: Pattern Drafting for Theatre |
| NLM 410: Social Entrepreneurship | FMP 280: Introduction to Film and Media Production | THP 431: Advanced Costume Construction |
| NLM 430: Managing Nonprofit Organizations (L) | FMP 325: Intermediate Visual Effects Compositing | THP 435: Technical Direction |
| NLM 435: Service Learning for Community Development | FMP 355: Transborder Digital Media Making | THP 440: Advanced Scene Design |
| NLM 451: Grant Writing | GRA 101: Designing Life | THP 441: Scene Painting |
| OGL Elective | GRA 401: Creative Environment | THP 442: Rendering for Design and Production |
| PAF 300: Public Management and Administration | HDA 420: Design and the Arts Business Administration | THP 344: Hand Drafting for the Live Entertainment |
| THP 251: Student Production Board I | IAP 104: Foundations I: Fundamentals of Sound Art | THP 445: Advanced Lighting Design |
| THP 351: Arts Management | IAP 321: Music Composition I | THP 455: Advanced Media Design |
| THP 450: Theatre Organization and Management | IAP 322: Multitrack Digital Recording | THP 448: AutoCAD for Live Entertainment |
| THP 451: Student Production Board II | IAP 325: Sound Performance: Exploring Alternative Performance Groups | THP 449: AutoCAD 3D for Live Entertainment |
| | | THP 494: Art Direction |

| Individual Focus (0 or 18 Credits) |
|---|
| Students that are interested in the Individual Focus will need to work with an Academic Advisor and Faculty member to submit a proposal. Focus area courses are approved through submission of the proposal. |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Dance, BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FADANBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 132: First-Year Dance Techniques | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Dance majors take DCE 170 to complete this requirement.<br>• One Personal Movement Practices course is required this term -- see course list below for choices.<br>• Join an organization and/or participate in an off-campus performance project. |
| DCE 160: Creative Practices I | 3 | C | |
| DCE 170: First-Year Seminar I | 2 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Lower Division Personal Movement Practice | 2 | C | |
| Mathematics (MA) | 3 | | |
| Milestone: School of MDT BFA Dance students must successfully complete the following before enrolling at ASU: Dance Application and Dance Admissions Festival Day. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 132: First-Year Dance Techniques | 3 | C | • One Personal Movement Practices course is required this term -- see course list below for choices. Students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows. |
| DCE 161: Creative Practices II | 3 | C | |
| DCE 205: How Dance Matters: A Sociocultural Framing (C) | 3 | C | |
| THF 126: Professional Development: Communication and Collaboration | 2 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Lower Division Personal Movement Practice | 2 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 260: Creative Practices III | 3 | C | • Two Personal Movement Practices courses are required this term -- see course list below for choices.<br>• Advancement in Personal Movement Practices is determined by instructor. |
| DCE 226: Musical and Kinesthetic Communication in Dance | 2 | C | |
| DCE 240: Media for Dance (CS) | 3 | C | |
| *Complete 2 courses:* Lower Division Personal Movement Practice | 4 | C | |

| | | | |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Establish career interests, develop soft skills, build a resume and research internship opportunities. |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 136: Introduction to Somatic Movement OR DCE 236: Somatic Movement Applications: A Closer Look OR DCE 336: Somatic Movement Development and Facilitation | 2-3 | C | • Two Personal Movement Practice courses are required this term -- see course list below for choices.<br>• Advancement in Personal Movement Practices is determined by instructor. |
| DCE 261: Creative Practices IV | 3 | C | |
| DCE 354: Creative Approaches to Teaching Dance I | 3 | C | |
| DCE 204: Dance, Health and Wellness (L) | 3 | C | |
| *Complete 2 courses:*<br>Lower Division Personal Movement Practice | 4 | C | |
| Term hours subtotal: | 15-16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 360: Creative Practices V | 3 | C | • Begin career/degree alignment. Engage in community partnerships or projects. |
| DCE 233: Hip Hop II OR DCE 234: Contemporary Modern II OR DCE 235: Contemporary Ballet II OR DCE 239: Afro-Latin II OR DCE 333: Hip Hop III OR DCE 334: Contemporary Modern III OR DCE 335: Contemporary Ballet III OR DCE 339: Afro-Latin III | 2-3 | C | |
| DCE 300: Dancing Histories (HU) OR DCE 302: History of American Hip Hop Dance (HU & C) OR DCE 306: History of Salsa: Afro-Latin Social and Global Contexts (HU & C) | 3 | C | |
| DCE 356: Creative Approaches to Teaching Dance II | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 15-16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 361: Creative Practices VI | 3 | C | • One Personal Movement Practices course is required this term -- see course list below for choices. Students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.<br>• Advancement in Personal Movement Practices is determined by instructor. |
| DCE 301: Dance Analysis and Theory (L or HU) OR DCE 402: Ethnography of Dance Practices (L) OR DCE 404: Dance and Ethics (L) | 3 | C | |
| Upper Division Personal Movement Practice | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 460: Transitions I | 2 | C | • One Personal Movement Practices course is required this term -- see course list below for choices. Students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows. |
| DCE 303: The Body Condition(ed) (SB) OR DCE 403: Making. Living. Thriving Through the Arts (HU) OR DCE 405: Writing the Creating Body (L or HU) | 3 | C | |
| Upper Division Personal Movement Practice | 3 | C | |

| | | | |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | • Advancement in Personal Movement Practices is determined by instructor. |
| Upper Division Elective OR DCE 484: Internship | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ DCE 461: Transitions II | 2 | C | • One Personal Movement Practices course is required this term -- see course list below for choices. Students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.<br>• Advancement in Personal Movement Practices is determined by instructor. |
| Upper Division Personal Movement Practice | 3 | C | |
| DCE course (HU) Upper Division | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

| Lower Division Personal Movement Practices | Upper Division Personal Movement Practices |
|---|---|
| DCE 133: Hip Hop I | DCE 333: Hip Hop III |
| DCE 134: Contemporary Modern I | DCE 334: Contemporary Modern III |
| DCE 135: Contemporary Ballet I | DCE 335: Contemporary Ballet III |
| DCE 136: Introduction to Somatic Movement | DCE 336: Somatic Movement Development and Facilitation |
| DCE 139: Afro-Latin I | DCE 339: Afro-Latin III |
| DCE 233: Hip Hop II | |
| DCE 234: Contemporary Modern II | |
| DCE 235: Contemporary Ballet II | |
| DCE 236: Somatic Movement Applications: A Closer Look | |
| DCE 238: Hip Hop Ensemble | |
| DCE 239: Afro-Latin II | |

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  • Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Dance (Dance Education), BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FADANEBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 132: First-Year Dance Techniques | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Dance majors complete DCE 170 to fulfill this requirement.<br>• One Personal Movement Practices course is required this term -- see course list below for choices.<br>• Join an organization and/or participate in an off-campus performance project. |
| DCE 160: Creative Practices I | 3 | C | |
| DCE 170: First-Year Seminar I | 2 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Lower Division Personal Movement Practice | 2 | C | |
| Mathematics (MA) | 3 | | |
| Milestone: School of MDT BFA Dance Education students must successfully complete the following before enrolling at ASU: Dance Application and Dance Admissions Festival Day. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 132: First-Year Dance Techniques | 3 | C | • One Personal Movement Practices course is required this term -- see course list below for choices.<br>• Advancement in Personal Movement Practice courses is determined by instructor. |
| DCE 161: Creative Practices II | 3 | C | |
| DCE 205: How Dance Matters: A Sociocultural Framing (C) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| THF 126: Professional Development: Communication and Collaboration | 2 | C | |
| Lower Division Personal Movement Practice | 2 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 226: Musical and Kinesthetic Communication in Dance | 2 | C | • Two Personal Movement Practices courses are required this term -- see course list below for choices. |
| DCE 260: Creative Practices III | 3 | C | |
| DCE 201: Dance, Culture, and Global Contexts (HU) | 3 | C | |

| | | |
|---|---|---|
| DCE 240: Media for Dance (CS) | 3 | C |
| *Complete 2 courses:*<br>Lower Division Personal Movement Practice | 4 | C |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 15 | |

- Advancement in Personal Movement Practice courses is determined by instructor.
- Establish career interests, develop soft skills, build a resume and research internship opportunities.
- Apply for Identity Verified Print (IVP) fingerprint clearance card through the DPS website. You will need the card to be in the classroom with K-12th grade students, prior to starting your first internship.

| **Term 4 47 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| DCE 204: Dance, Health and Wellness (L) | 3 | C |
| DCE 261: Creative Practices IV | 3 | C |
| DCE 354: Creative Approaches to Teaching Dance I | 3 | C |
| DCE 136: Introduction to Somatic Movement OR DCE 236: Somatic Movement Applications: A Closer Look | 2 | C |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C |
| Lower Division Personal Movement Practice | 2 | C |
| Complete DCE 201 course. | | |
| Minimum 2.25 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

- One Personal Movement Practices course is required this term -- see course list below for choices.
- Advancement in Personal Movement Practice courses is determined by instructor.
- TEL 215 is a required course for students seeking teacher certification.
- Prior to enrollment in Term 5 courses, you must meet with your advisor and submit an "Intent to Progress" form that notifies Teachers College you are ready to enroll in your first internship. You will upload a copy of your IVP Fingerprint Card with this form, required by state law. Teachers College will then invite you to attend their mandatory Professional Pathways Orientation.

| **Term 5 63 - 80 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| DCE 357: Teaching Internship | 1 | C |
| DCE 360: Creative Practices V | 3 | C |
| DCE 300: Dancing Histories (HU) | 3 | C |
| DCE 356: Creative Approaches to Teaching Dance II | 3 | C |
| Upper Division Personal Movement Practice | 3 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Minimum 2.25 GPA ASU Cumulative. | | |
| Term hours subtotal: | 17 | |

- One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
- Begin first dance education internship.
- Career/degree alignment: engage in a community partnership or project.

| **Term 6 80 - 96 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| DCE 357: Teaching Internship | 1 | C |
| DCE 361: Creative Practices VI | 3 | C |
| DCE 336: Somatic Movement Development and Facilitation | 3 | C |
| DCE Upper Division Elective | 3 | C |
| Upper Division Personal Movement Practice | 3 | C |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( GCU 113 recommended) | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Minimum 2.25 GPA ASU Cumulative. | | |

- One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
- GCU 113 satisfies the US and AZ constitution requirement needed for teaching in Arizona.

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 7 96 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BLE 408: Structured English Immersion (SEI) Methods (L) | 3 | C | • Students may want to include a Personal Movement Practices course.<br>• BLE 408 required for students pursuing K-12 certification. |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Upper Division Elective OR DCE 484: Internship | 2 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | • Your student teaching residency requires a full-time commitment in a K-12th grade classroom for the semester.<br>• Students seeking teacher certification must pass required educator exams. Please speak with your faculty to plan appropriately. |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Lower Division Personal Movement Practices | Upper Division Personal Movement Practices |
|---|---|
| DCE 133: Hip Hop I | DCE 333: Hip Hop III |
| DCE 134: Contemporary Modern I | DCE 334: Contemporary Modern III |
| DCE 135: Contemporary Ballet I | DCE 335: Contemporary Ballet III |
| DCE 136: Introduction to Somatic Movement | DCE 336: Somatic Movement Development and Facilitation |
| DCE 139: Afro-Latin I | DCE 339: Afro-Latin III |
| DCE 233: Hip Hop II | |
| DCE 234: Contemporary Modern II | |
| DCE 235: Contemporary Ballet II | |
| DCE 236: Somatic Movement Applications: A Closer Look | |
| DCE 238: Hip Hop Ensemble | |
| DCE 239: Afro-Latin II | |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Environmental Design, BS

School/College: Herberger Institute for Design and the Arts
Location: Tempe, ASU at Los Angeles
HIEDSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DSC 100: ASU Design Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. DSC 100 fulfills this requirement.<br>• Join a student club or professional organization. |
| Design Culture and Literacy I | 3 | C | |
| Design Fundamentals and Principles I | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Design Culture and Literacy II | 3 | C | • Please work with your academic advisor for Social-Behavioral Sciences (SB) General Studies course options related to your focus area.<br>• Students choose one Focus Area from below and complete seven courses (21 credit hours) from that course list. |
| Design Fundamentals and Principles II | 3-4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Main Focus Area Elective | 3 | C | |
| Social-Behavioral Sciences (SB) ( PSY 101 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15-16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDS 223: Design Thinking | 3 | C | • Develop your professional online presence.<br>• The following courses are recommended to fulfill the Natural Science - Quantitative (SQ) requirement: BIO 100, OR PHY 101, OR PHY 111 and 113, OR GPH 111 and 112. |
| SOS 100: Introduction to Sustainability (G) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( INT 121 OR CIS 105 recommended) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDS 200: Design Literacy and Communication | 3 | C | |
| Main Focus Area Elective | 3 | C | |
| Literacy and Critical Inquiry (L) AND Historical Awareness (H) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 440: Finding Purpose | 3 | C | • Students interested in pursuing a Master in Landscape Architecture or Master of Urban Design can accelerate the graduate degree with LAUDED courses in Term 7 and Term 8 please contact your academic advisor for more information.<br>• Develop your skills. |
| Upper Division Design History Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Main Focus Area Elective | 6 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 301: Writing for the Professions (L) | 3 | | • Complete an in person or virtual practice interview |
| Upper Division Design Entrepreneurship | 3 | C | |
| Upper Division Design History Elective | 3 | C | |
| Upper Division Main Focus Area Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDS 301: Sustainable Community Design and Practices (HU) | 3 | C | • Gather professional references |
| EDS 401: Environmental Design Synthesis I | 3 | C | |
| Upper Division Main Focus Area Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDS 402: Environmental Design Synthesis II | 3 | C | |
| Upper Division Main Focus Area Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- Students choose one Focus Area and complete seven courses (21 credit hours) from that course list.

Hide Course List(s)/Track Group(s)

| Design Culture and Literacy I Courses (3 credit hours) |
| --- |
| ALA 100: Introduction to Environmental Design (HU & H & G) |
| ALA 102: Landscapes and Sustainability (HU & G) |
| ARC 111: Architecture of Architecture I |
| DSC 101: Design Awareness (HU & G) |
| GRA 101: Designing Life |
| GRA 111: Graphic Design History I (HU) |
| GRA 112: Graphic Design History II |
| INT 111: Interior Design Issues and Theories (HU) |

| Design Culture and Literacy II Courses (3 credit hours) |
| --- |
| ALA 100: Introduction to Environmental Design (HU & H & G) |
| ALA 102: Landscapes and Sustainability (HU & G) |
| ARC 112: Architecture of Architecture II |
| COM 100: Introduction to Human Communication (SB) |
| COM 110: Elements of Interpersonal Communication (SB) |
| CON 101: Construction and Culture: a Built Environment (HU & H) |
| DSC 101: Design Awareness (HU & G) |
| GRA 101: Designing Life |
| GRA 111: Graphic Design History I (HU) |
| GRA 112: Graphic Design History II |
| INT 111: Interior Design Issues and Theories (HU) |
| INT 131: Design and Human Behavior (SB) |
| PHI 103: Principles of Sound Reasoning (L or HU) |
| PHI 105: Intro to Ethics (HU) |

| Design Entrepreneurship (3 credit hours) |
| --- |
| DSC 394: Design Entrepreneurship & Society |
| DSC 494: Practice Management |

| Design Fundamentals and Principles I Courses (3 credit hours) |
| --- |
| ALA 121: Design Fundamentals I |
| ARC 101: Architecture Project I |
| GRA 121: Principles for Graphic Design I |
| IND 120: Drawing for Industrial Design |
| INT 120: Design Fundamentals I |
| INT 121: Introduction to Computer Modeling for Interior Design (CS) |

| Design Fundamentals and Principles II Courses (3-4 credit hours) |
| --- |
| ALA 122: Design Fundamentals II AND ALA 124: Design Fundamentals II Lecture |
| ARC 101: Architecture Project I |
| GRA 122: Principles for Graphic Design II |
| GRA 225: Communication/Interaction Design Theory |
| GRA 294: Dynamic Visual Representation |
| IND 121: Principles for Industrial Design I AND IND 122: Principles for Industrial Design II |
| INT 122: Principles of Design AND INT 124: Design Fundamentals II Lecture |

| Design History Elective (6 credit hours) |
| --- |
| ARC 330: World and Western Architecture for Nonmajors (HU & H & G) or ARC 331: World and Western Architecture I ((L or HU) & G & H) |
| ARC 332: World and Western Architecture II ((L or HU) & G & H) |
| ARC 431: Contemporary Architecture and Urbanism 1970 to the Present (HU & H) |
| ARC 434: Great Cities ((L or HU) & H) |
| ARC 436: Charles and Ray Eames (HU) |
| APH 494: Peter Zumthor |
| APH 494: Frank Lloyd Wright |

INT 123: Introduction to Computer-Aided Design and Building Information Modeling

APH 494: The Image of Rome

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

INT 415: Latin American Design

INT 494: Contemporary Design Issues in Europe

INT 494: Design and Context

LAP 311: History of Landscape Architecture (HU & H)

LAP 312: 20th-Century Landscape Architecture (HU)

LAP 485: International Field Studies (G)

Design Management, Innovation and Strategy Focus Area

ACC 382: Accounting and Financial Analysis

ARA 396: Professional Practices for Design and the Arts

COM 100: Introduction to Human Communication (SB)

COM 110: Elements of Interpersonal Communication (SB)

COM 225: Public Speaking (L)

COM 230: Small Group Communication (SB)

COM 250: Communication and the Workplace (SB)

COM 259: Communication in Business and the Professions

COM 263: Elements of Intercultural Communication (SB & C & G)

COM 312: Communication, Conflict, and Negotiation

CON 294: Deductive Logic, Leadership/Management Techniques

CON 494: Facilities Management Operations and Maintenance

DSC 494: Economics of Building Design

DSC 494: Practice Management

ECN 211: Macroeconomic Principles (SB)

Design, Environment and Sustainability Focus Area

BMY 230: How Nature Works

BMY 304: The Practice of Biomimicry

BMY 302: Principles of Life

CON 294: Deductive Logic, Leadership/Management Techniques

DSC 494: Economics of Building Design

EDS 484: Internship

GRA 401: Creative Environment

IND 242: Materials and Design

IND 344: Human Factors in Design

INT 341: Interior Codes: Public Welfare and Safety

INT 351: Ambient Environment

INT 471: Facilities Management

LAP 251: Plant Materials for Sustainable Landscapes

LAP 341: Landscape Construction I

LAP 342: Landscape Construction II

PHI 103: Principles of Sound Reasoning (L or HU)

PHI 105: Intro to Ethics (HU)

- ECN 212: Microeconomic Principles (SB)
- ECN 382: Managerial Economics
- EDS 484: Internship
- ENT 290: Entrepreneurship: Opportunity to Impact
- FIN 380: Personal Financial Management
- GRA 345: Design Rhetoric (L)
- GRA 401: Creative Environment
- HDA 210: Creativity and Innovation in Design and the Arts
- HDA 252: Foundations Arts and Design Entrepreneurship
- HDA 420: Design and the Arts Business Administration
- IND 242: Materials and Design
- IND 344: Human Factors in Design
- IND 354: Principles of Product Design
- INT 471: Facilities Management
- INT 472: Professional Practice for Interior Design
- LES 380: Consumer Perspective of Business Law
- MGT 380: Management and Strategy for Nonmajors
- MKT 390: Essentials of Marketing
- MKT 391: Essentials of Selling
- MKT 395: Essentials of Advertising and Marketing Communication
- PHI 103: Principles of Sound Reasoning (L or HU)
- PHI 105: Intro to Ethics (HU)
- PHI 306: Applied Ethics (HU)
- PHI 360: Business and Professional Ethics (HU)
- SOC 324: Sociology of Work and Organizations (SB & H)
- THP 452: Arts Entrepreneurship Seminar
- TWC 301: Fundamentals of Writing for Digital Media (L)
- TWC 347: Written Communication for Managers (L)
- PHI 360: Business and Professional Ethics (HU)
- PUP 301: Introduction to Urban Planning (L)
- PUP 363: History of Planning
- PUP 420: Theory of Urban Design (HU)
- SOS 111: Sustainable Cities ((HU or SB) & G)
- SOS 300: Advanced Concepts and Integrated Approaches in Sustainability
- SOS 320: Society and Sustainability (L or SB)
- SOS 323: Sustainable Urban Dynamics
- SOS 324: Sustainable Energy Technology and Systems
- SOS 325: The Economics of Sustainability

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Fashion - Fashion Business Management, BA

School/College: Herberger Institute for Design and the Arts
Location: Downtown Phoenix, ASU at Los Angeles
HIFSHBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101 ASU: The Art Experience is required of all first-year art majors only.<br>• Join a student club or professional organization. |
| ART 110: Drawing as Seeing and Thinking (HU) OR FSH 135: Foundations in Fashion Design Communications | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSH 125: Survey of the Fashion Industry (HU) | 3 | C | |
| FSH 175: Merchandising Essentials | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSH 108: Digital Literacy for the Arts (CS) OR ART 108: Digital Literacy for the Arts (CS) | 3 | C | |
| FSH 122: Apparel Construction I | 3 | C | |
| FSH 200: Textiles Survey Lab AND FSH 201: Textiles Survey | 4 | C | |
| FSH 203: Fashion Illustration I | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 204: Social Aspects of Fashion (L or HU or SB) | 3 | C | |
| FSH 208: Fashion Technology I | 3 | C | |
| FSH 275: Merchandising Applications | 3 | C | |
| ARS course (HU) ( ARS 100 recommended) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 64 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 206: Fashion Design I OR FSH 294: Fundamentals of Fashion Design | 3 | C | • Explore an internship |
| FSH 300: Global Fashion Industry (G) | 3 | C | |
| Fashion Business Management Related Elective | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete FSH 275 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 5 64 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Business Communication | 3 | C | |
| Upper Division Fashion Business Management | 3 | C | |
| Upper Division Fashion Business Management Related Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) AND History of Fashion Course or Fashion History Related Course | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 79 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 484: Internship | 3 | C | • Create a first draft resume. |
| *Complete 2 courses:* Upper Division Fashion Business Management | 6 | C | |
| History of Fashion Course OR Fashion History Related Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 397: Fashion Capstone Development | 1 | C | • Gather professional references.<br>• Explore an internship; complete Internship Application Form to request course credit. |
| FSH 396: Professional Practices for Fashion | 1 | C | |
| FSH 435: Contemporary Fashion (L or HU) | 3 | C | |
| Upper Division Fashion Business Management | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 14 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 495: Fashion Capstone | 3 | C | • Research employment opportunities. |
| Upper Division Fashion Business Management | 3 | C | |
| Upper Division Elective | 4 | | |
| Elective | 2 | | |

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

| Business Communication - complete 1 (3 credits) |
| --- |
| COM 225: Public Speaking (L) |
| COM 263: Elements of Intercultural Communication (SB & C & G) |
| ENG 301: Writing for the Professions (L) or ENG 302: Business Writing (L) |
| TWC 347: Written Communication for Managers (L) |
| TWC 401: Fundamentals of Technical Communication (L) |
| COM OR TWC Elective |

| History of Fashion Course - complete 1 (3 credits) |
| --- |
| THE 430: History of Fashion I (HU) |
| THE 431: History of Fashion II: 20th-Century Fashion |

| Fashion History Related Course - complete 1 (3 credits) |
| --- |
| ARS 294: Jewelry Design and Character in Film |
| ARS 394: 20th Century American & European Jewelry Design |
| ARS 331: 18th- and 19th-Century European Jewelry Design or FSH 331: 18th- and 19th-Century European Jewelry Design |
| FSH 335: Fashion and Dress in Art |
| FSH 494: Paris Fashion and Culture Experience |
| THE 430: History of Fashion I (HU) |
| THE 431: History of Fashion II: 20th-Century Fashion |
| Transferred courses related to fashion history such as costume history, fashion trends, or history of textiles, etc. may also apply towards this category. |

| Upper Division Fashion Business Management - complete 5 (15 credits) |
| --- |
| FSH 304: Equity and Inclusion in Fashion |
| FSH 326: Fashion Styling |
| FSH 360: Sustainable Systems in Fashion |
| FSH 375: Marketing Strategies |
| FSH 380: Fashion Forecasting |
| FSH 385: Fashion Visual Merchandising |
| FSH 394: Fashion Retail Management |
| FSH 475: Communication Strategies for Fashion |
| FSH 484: Internship |

| Fashion Business Management Related Electives - complete 2 (6 credits; 3 credits must be upper division) |
| --- |
| FSH 304: Equity and Inclusion in Fashion |
| FSH 326: Fashion Styling |
| FSH 360: Sustainable Systems in Fashion |
| FSH 375: Marketing Strategies |
| FSH 380: Fashion Forecasting |
| FSH 385: Fashion Visual Merchandising |
| FSH 394: Fashion Retail Management |
| FSH 475: Communication Strategies for Fashion |
| FSH 484: Internship |
| Business or Communication courses such as: |
| ACC OR COM OR ECN OR ENT OR FIN OR MCO OR MGT OR MKT OR OGL OR STP OR TWC Elective |

**Notes:**

- 

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Fashion - Fashion Design, BA

School/College: Herberger Institute for Design and the Arts
Location: Downtown Phoenix, ASU at Los Angeles
HIFSHBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101 ASU: The Art Experience is required of all first-year art majors only.<br>• Join a student club or professional organization. |
| ART 110: Drawing as Seeing and Thinking (HU) OR FSH 135: Foundations in Fashion Design Communications | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSH 122: Apparel Construction I | 3 | C | |
| FSH 125: Survey of the Fashion Industry (HU) | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSH 108: Digital Literacy for the Arts (CS) OR ART 108: Digital Literacy for the Arts (CS) | 3 | C | |
| FSH 200: Textiles Survey Lab AND FSH 201: Textiles Survey | 4 | C | |
| FSH 203: Fashion Illustration I | 3 | C | |
| FSH 222: Apparel Construction II | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 204: Social Aspects of Fashion (L or HU or SB) | 3 | C | |
| FSH 206: Fashion Design I | 3 | C | |
| FSH 208: Fashion Technology I | 3 | C | |
| ARS course (HU) ( ARS 100 recommended) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 15 |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 175: Merchandising Essentials OR FSH 280: Fashion Merchandising | 3 | C | • Explore an internship |
| FSH 303: Fashion Illustration II | 3 | C | |
| FSH 306: Fashion Design II | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete FSH 206 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 300: Global Fashion Industry (G) | 3 | C | |
| FSH 308: Fashion Technology II | 3 | C | |
| FSH 484: Internship | 3 | C | |
| Fashion Design Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) AND History of Fashion Course or Fashion History Related Course | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 397: Fashion Capstone Development | 1 | C | • Create a first draft resume. |
| FSH 477: Fashion Collection Development | 3 | C | |
| FSH 396: Professional Practices for Fashion | 1 | C | |
| Upper Division Fashion Design Elective | 3 | C | |
| History of Fashion OR Fashion History Related Course | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 495: Fashion Capstone | 3 | C | • Gather professional references.<br>• Explore an internship; complete Internship Application Form to request course credit. |
| FSH 435: Contemporary Fashion (L or HU) | 3 | C | |
| Fashion Business Management Elective | 3 | C | |
| Upper Division Elective | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 495: Fashion Capstone | 3 | C | • Research employment opportunities. |
| FSH 484: Internship OR Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

| Fashion Design Electives - complete 4 (12 credits; 6 Upper Division credits) | Fashion Business Management Elective - complete 1 (3 credits) | Fashion History Related Course - complete 1 (3 credits) |
|---|---|---|
| FSH 224: Introduction to Accessory Design | FSH 275: Merchandising Applications | ARS 294: Jewelry Design and Character in Film |
| FSH 322: Apparel Construction III | FSH 280: Fashion Merchandising | ARS 394: 20th Century American & European Jewelry Design |
| FSH 394: Fashion Design & Wearable Technology | FSH 304: Equity and Inclusion in Fashion | FSH 331: 18th- and 19th-Century European Jewelry Design or ARS 331: 18th- and 19th-Century European Jewelry Design |
| FSH 394: Draping for Fashion Design | FSH 326: Fashion Styling | FSH 335: Fashion and Dress in Art |
| FSH 394: Materials and Techniques | FSH 360: Sustainable Systems in Fashion | FSH 494: Paris Fashion and Culture Experience |
| FSH 394: Sustainable Design Studio | FSH 375: Marketing Strategies | THE 430: History of Fashion I (HU) |
| FSH 406: Fashion Design III | FSH 380: Fashion Forecasting | THE 431: History of Fashion II: 20th-Century Fashion |
| FSH 412: Power Play | FSH 385: Fashion Visual Merchandising | Transferred courses related to fashion history such as costume history, fashion trends, or history of textiles, etc. may also apply towards this category. |
| FSH 484: Internship | FSH 394: Fashion Retail Management | |
| FSH 494: Fashion Technology III | FSH 475: Communication Strategies for Fashion | |
| FSH 494: Senior Design Portfolio | | |
| FSH 494: Paris Fashion and Culture Experience | | |
| Transferred courses in construction or design topics such as bridal/formal wear alternations, footwear design, industrial sewing, knits, pattern drafting, tailoring, etc. may also apply towards this category | | |

| History of Fashion Course - complete 1 (3 credits) |
|---|
| THE 430: History of Fashion I (HU) |
| THE 431: History of Fashion II: 20th-Century Fashion |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Fashion - Fashion Studies, BA

School/College: Herberger Institute for Design and the Arts
Location: Downtown Phoenix, ASU at Los Angeles
HIFSHBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARA 101: ASU: The Art Experience | 1 | C | • ARA 101 ASU: The Art Experience is required of all first-year art majors only.<br>• Join a student club or professional organization. |
| ART 110: Drawing as Seeing and Thinking (HU) OR FSH 135: Foundations in Fashion Design Communications | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSH 125: Survey of the Fashion Industry (HU) | 3 | C | |
| FSH 108: Digital Literacy for the Arts (CS) OR ART 108: Digital Literacy for the Arts (CS) | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSH 122: Apparel Construction I | 3 | C | |
| FSH 175: Merchandising Essentials OR FSH 280: Fashion Merchandising | 3 | C | |
| FSH 200: Textiles Survey Lab AND FSH 201: Textiles Survey | 4 | C | |
| FSH 203: Fashion Illustration I | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 204: Social Aspects of Fashion (L or HU or SB) | 3 | C | • Students will complete a total of 6 courses from one of the Fashion Culture, Criticism, & Curation Tracks. |
| FSH 208: Fashion Technology I | 3 | C | |
| ARS course (HU) ( ARS 100 recommended) | 3 | C | |
| Fashion Culture, Criticism & Curation Track | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 48 - 64 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 206: Fashion Design I OR FSH 294: Fundamentals of Fashion Design | 3 | C | • Explore an internship<br>• Students will complete a total of 6 courses from one of the Fashion Culture, Criticism, & Curation Tracks. |
| Fashion Culture, Criticism & Curation Track | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete FSH 204 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 5 64 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 300: Global Fashion Industry (G) | 3 | C | • Explore aninternship; complete Internship Application Form to request course credit.<br>• Students will complete a total of 6 courses from one of the Fashion Culture, Criticism, & Curation Tracks. |
| FSH 484: Internship | 3 | C | |
| Upper Division Fashion Culture, Criticism & Curation Track | 3 | C | |
| Upper Division Fashion Business Management Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) AND History of Fashion Course or Fashion History Related Course | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 79 - 95 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 396: Professional Practices for Fashion | 1 | C | • Create a first draft resume.<br>• Students will complete a total of 6 courses from one of the Fashion Culture, Criticism, & Curation Tracks. |
| History of Fashion Course OR Fashion History Related Course | 3 | C | |
| FSH Upper Division Elective | 3 | C | |
| Upper Division Fashion Culture, Criticism & Curation Track | 3 | C | |
| Fashion Business Management Related Elective | 3 | C | |
| FSH 484: Internship OR Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 95 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 397: Fashion Capstone Development | 1 | C | • Gather professional references.<br>• Students will complete a total of 6 courses from one of the Fashion Culture, Criticism, & Curation Tracks. |
| FSH 435: Contemporary Fashion (L or HU) | 3 | C | |
| FSH Upper Division Elective | 3 | C | |
| Upper Division Fashion Culture, Criticism & Curation Track | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSH 495: Fashion Capstone | 3 | C | • Research employment opportunities.<br>• Students will complete a total of 6 courses from one of the Fashion |
| FSH 484: Internship OR Upper Division Elective | 3 | | |
| Upper Division Elective | 4 | | |

| | | |
|---|---|---|
| Elective | 2 | Culture, Criticism, & Curation Tracks. |
| Term hours subtotal: | 12 | |

Hide Course List(s)/Track Group(s)

| History of Fashion Course - Complete 1 (3 credits) | Fashion History Related Course - complete 1 (3 credits) | Upper Division Fashion Business Management - Complete 1 (3 credits) |
|---|---|---|
| THE 430: History of Fashion I (HU) | ARS 294: Jewelry Design and Character in Film | FSH 304: Equity and Inclusion in Fashion |
| THE 431: History of Fashion II: 20th-Century Fashion | ARS 394: 20th Century American & European Jewelry Design | FSH 326: Fashion Styling |
| | FSH 331: 18th- and 19th-Century European Jewelry Design or ARS 331: 18th- and 19th-Century European Jewelry Design | FSH 360: Sustainable Systems in Fashion |
| | FSH 335: Fashion and Dress in Art | FSH 375: Marketing Strategies |
| | FSH 494: Paris Fashion and Culture Experience | FSH 380: Fashion Forecasting |
| | THE 430: History of Fashion I (HU) | FSH 385: Fashion Visual Merchandising |
| | THE 431: History of Fashion II: 20th-Century Fashion | FSH 394: Fashion Retail Management |
| | Transferred courses related to fashion history such as costume history, fashion trends, or history of textiles, etc. may also apply towards this category. | FSH 475: Communication Strategies for Fashion |
| | | FSH 484: Internship |

| Fashion Business Management Related Electives - Complete 1 (3 credits) | Fashion Culture, Criticism, & Curation - Communication, Journalism, & Social Media Track | Fashion Culture, Criticism, & Curation - Costuming and Cosplay Track |
|---|---|---|
| FSH 304: Equity and Inclusion in Fashion | COM OR MCO Elective | FSH 412: Power Play |
| FSH 326: Fashion Styling | COM 225: Public Speaking (L) | THE OR THP Elective |
| FSH 360: Sustainable Systems in Fashion | COM 259: Communication in Business and the Professions | THE 322: Theatre History and Culture (HU & H) |
| FSH 375: Marketing Strategies | COM 263: Elements of Intercultural Communication (SB & C & G) | THE 359: Comics, Cons, and Cosplay Phenomena |
| FSH 380: Fashion Forecasting | COM 323: Communication Approaches to Popular Culture (C) | THP 214: Introduction to Costuming |
| FSH 385: Fashion Visual Merchandising | FSH 475: Communication Strategies for Fashion | THP 301: Costume Construction |
| FSH 394: Fashion Retail Management | ENG 301: Writing for the Professions (L) | THP 330: Costume Design |
| FSH 475: Communication Strategies for Fashion | MCO 120: Media and Society (SB) | THP 331: Costume Construction |
| FSH 484: Internship | MCO 240: Media Issues in American Pop Culture | THP 401: Costume Construction |
| Business or Communication courses such as: | MCO 307: The Digital Audience | THP 431: Advanced Costume Construction |
| ACC OR COM OR ECN OR ENT OR FIN OR MCO OR MGT OR MKT OR OGL OR STP OR TWC Elective | | |

MCO 335: Social Media Foundations

MCO 425: Digital Media Literacy I

MCO 433: Social Media Campaigns, Engagement and Research

MCO 437: Audience Acquisition and Engagement

MCO 450: Visual Communication (HU)

TWC 347: Written Communication for Managers (L)

TWC 401: Fundamentals of Technical Communication (L)

TWC 411: Principles of Visual Communication (L)

| Fashion Culture, Criticism, & Curation - Creative Art, Design, & Photography Track | Fashion Culture, Criticism, & Curation - Digital Technology & Media Track | Fashion Culture, Criticism, & Curation - Event Planning & Management Track |
|---|---|---|
| ARA OR ARC OR ART OR DSC OR EDS OR GRA OR IND OR INT OR LAP Elective | AME OR FMP OR GIT Elective | NLM 203: Program Planning or PRM 203: Program Planning |
| ART 206: Digital Photography I | AME 111: Introduction to Digital Culture (CS) | NLM 300: Fund Raising and Resource Development |
| ART 207: Digital Photography II | AME 210: Media Editing | NLM 310: Volunteer Management or PRM 310: Volunteer Management |
| ART 214: Figure Drawing | AME 220: Programming for the Web (CS) | NLM 451: Grant Writing |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning | AME 230: Programming for the Media Arts (CS) | NLM OR PRM OR TDM Elective |
| ART 302: The Still and Moving Image: Digital Photography and Video | AME 435: Mobile Development | PRM 145: Special Events Management |
| ART 303: Portraiture Photography | AME 470: Programming for Social and Interactive Media | PRM 422: Special Event Technology and Production |
| ART 312: Illustration | CIS 300: Web Design and Development | PRM 423: Special Event Operations |
| ART 314: Intermediate Figure Drawing | FMP 180: Principles of Production Technology | PRM 487: Advanced Special Events Management |
| ART 317: Advanced Digital Photography | FMP 225: Principles of Visual Effects Compositing | TDM 205: Introduction to Travel and Tourism (G) |
| ART 354: Screen Printing | FMP 255: Media Authorship (CS) | TDM 345: Meeting and Convention Planning |
| ART 376: Weaving and Dyeing | FMP 280: Introduction to Film and Media Production | |
| ART 377: Textile Design | FMP 300: Film Production: Non-Majors | |
| ART 378: Digital Textiles | FMP 325: Intermediate Visual Effects Compositing | |
| ART 394: Indigenous Metals | GRA 294: Special Topics | |
| ART 394: Native American Fashion | | |
| ART 394: Native American Jewelry Making | | |
| EDS 223: Design Thinking | | |
| GRA 225: Communication/Interaction Design Theory | | |
| IND 494: Textile Design | | |

| Fashion Culture, Criticism, & Curation - Historic & Cultural Interaction Track | Fashion Culture, Criticism, & Curation - Second Language & Global Relations Track | Fashion Culture, Criticism, & Curation - Sustainability Track |
|---|---|---|
| ARS 102: Art from Renaissance to Modernism (HU & H) | ARB OR CHI OR FRE OR ITA OR KOR OR JPN OR POR OR RUS OR SPA Elective | null null: null |
| ARS 201: Art of Asia (HU & H & G) | POS 260: Current Issues in International Politics ((L or SB) & G) | FSH 394: Sustainable Design Studio |
| ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) | POS 300: Contemporary Global Controversies (SB & G) | SOS 100: Introduction to Sustainability (G) |
| ARS 294: Jewelry Design and Character in Film | | SOS 110: Sustainable World (SB) |
| ARS 331: 18th- and 19th-Century European Jewelry Design or FSH 331: 18th- and 19th-Century European Jewelry Design | | SOS 181: Technological, Social, and Sustainable Systems (HU) |
| ARS 335: Fashion and Dress in Art | | SOS 300: Advanced Concepts and Integrated Approaches in Sustainability |
| ARS 438: Art of the 20th Century I (HU & H) | | SOS 310: Equity, Justice and Sustainability |
| ARS OR HST Elective | | SOS 311: Future Thinking and Strategies |
| FSH 304: Equity and Inclusion in Fashion | | SOS 320: Society and Sustainability (L or SB) |
| HST 101: Global History Since 1500 (HU & H & G) | | SOS 322: International Development and Sustainability |
| HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H) | | SOS 324: Sustainable Energy Technology and Systems |
| HST 110: United States Since 1865 (SB & H) | | SOS 326: Sustainable Ecosystems |
| HST 210: American Social History ((L or SB) & H) | | SOS 465: Sustainable Urbanism |
| HST 280: History of Science, Technology and Innovation (SB & G & H) | | SOS Elective |
| HST 314: American Cultural History Since 1865 ((HU or SB) & H) | | |
| HST 332: Mexican American History Since 1900 (SB & H & C) | | |
| HST 334: African American History Since 1865 ((HU or SB) & C & H) | | |
| HST 338: American Indian History since 1900 ((HU or SB) & C & H) | | |
| HST 339: Islam in the Modern World (HU & G) | | |
| HST 372: Modern Middle East (SB & G & H) | | |
| HST 413: Contemporary America ((L or SB) & H) | | |
| HST 419: 20th Century Chicano/a History (C) | | |
| THE 430: History of Fashion I (HU) | | |
| THE 431: History of Fashion II: 20th-Century Fashion | | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Film (Filmmaking Practices), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe, ASU at Los Angeles
FAFPRBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMP 101: Orientation to Film | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. FMP 101: Orientation to Film fulfills this requirement for film majors.<br>• Join a student club or professional organization. |
| FMP 180: Principles of Production Technology OR THF 160: Introduction to Storytelling (HU) | 3 | C | |
| FMS 100: Introduction to Film and Media Studies (HU) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) AND Global Awareness (G) ( COM 263 recommended) | 3 | | |
| Maintain 2.50 GPA in Film courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 126: Professional Development: Communication and Collaboration | 2 | C | |
| FMP 180: Principles of Production Technology OR THF 160: Introduction to Storytelling (HU) | 3 | C | |
| FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 200: Film and Media History ((L or HU) & H) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in Film courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 200: Film and Media History ((L or HU) & H) | 3 | C | • Establish career interests. |
| FMP 261: Principles of Screenwriting OR FMS 209: Screenwriting Fundamentals | 3 | C | |

| | | |
|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Maintain 2.50 GPA in Film courses. | | |
| Term hours subtotal: | 16 | |

| **Term 4 46 - 62 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| FMP 201: Film: The Creative Process I (HU) OR FMP 210: Principles of Filmmaking | 3 | C | • Develop soft skills. |
| FMP 280: Introduction to Film and Media Production | 3 | C | |
| Film Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete FMP 180 AND FMP 280 AND THF 160 course(s). | | | |
| Complete FMP 250 AND FMS 100 AND FMS 200 course(s). | | | |
| Maintain 2.50 GPA in Film courses. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 62 - 77 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| FMP 300: Film Production: Filmmaking Practices OR Upper Division Screenwriting Course | 3 | C | • If preparing to study in Los Angeles, take internship prep course.<br>• Upper Division Related Study Elective: Course cannot be from FMP; must be related to the study of film and media.<br>• Begin aligning your degree with your career goals. |
| THF 101: Acting Introduction OR THP 194: Understanding Acting | 3 | C | |
| Upper Division Related Study Elective | 3 | C | |
| Film Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Maintain 2.50 GPA in Film courses. | | | |
| Term hours subtotal: | 15 | | |

| **Term 6 77 - 91 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| FMP 380: Film Production Crew OR FMP 484: Internship | 1 | C | • Students must take two credit hours of either FMP 380 Film Production Crew or FMP 484 Internship by the end of Term 8 to meet this requirement.<br>• Upper Division Related Study Elective: Course cannot be from FMP; must be related to the study of film and media.<br>• Suggested semester in Los Angeles<br>Fall - Post-production<br>Spring - Directors, Producers, Cinematographers |
| THF 397: Professional Development Seminar | 1 | C | |
| FMP 403: Independent Film (HU) | 3 | C | |
| Upper Division Producing Course | 3 | C | |
| Upper Division Related Study Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Complete THF 101 OR THP 194: Understanding Acting course(s). | | | |
| Maintain 2.50 GPA in Film courses. | | | |
| Term hours subtotal: | 14 | | |

| **Term 7 91 - 106 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | |
|---|---|---|
| ★ FMP 380: Film Production Crew OR FMP 484: Internship | 1 | C |
| ★ THF 497: Senior Project | 2 | C |
| *Complete 2 courses:*<br>Upper Division Film Elective | 6 | C |
| Screenwriting Course OR Film Production Course | 3 | C |
| Upper Division Elective | 3 | |
| Maintain 2.50 GPA in Film courses. | | |
| Term hours subtotal: | 15 | |

- Students must take two credit hours of either FMP 380 Film Production Crew or FMP 484 Internship to satisfy the requirement.
- Suggested semester in Los Angeles
  Fall - Post-production
  Spring - Directors, Producers, Cinematographers
- Gather professional references.

| **Term 8 106 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** |
|---|---|---|
| ★ THF 497: Senior Project | 2 | C |
| Upper Division Film Elective | 3 | C |
| Upper Division Related Study Elective | 3 | C |
| Upper Division Elective | 2 | |
| Elective | 4 | |
| Maintain 2.50 GPA in Film courses. | | |
| Term hours subtotal: | 14 | |

- Upper Division Related Study Elective: Course cannot be from FMP; must be related to the study of film and media.
- Transfer students must complete one additional hour of elective credit in Term 8 to reach the university required 120 hours to graduate, because FMP 101: Orientation to Film (Term 1) is not required for transfer students.
- Suggested semester in Los Angeles
  Fall - Post-production
  Spring - Directors, Producers, Cinematographers

Hide Course List(s)/Track Group(s)

| Screenwriting Courses |
|---|
| FMP 330: Professional and Technical Writing for Film/TV Industry |
| FMP 361: Writing the Short Film |
| FMP 365: Developing a Series |
| FMP 461: Advanced Screenwriters Workshop |
| FMP 465: Series Writers Workshop |
| FMP 475: Producing Series |
| FMS 309: Intermediate Screenwriting |
| FMS 409: Advanced Screenwriting |
| THP 394: Writing for Horror, SciFi, and Fantasy |

| Producing Courses |
|---|
| IAP 364: Documentaries |
| FMP 330: Professional and Technical Writing for Film/TV Industry |
| FMP 355: Transborder Digital Media Making |
| FMP 370: Producing for Film and Media |
| FMP 394: Livestream Production Workshop |
| FMP 400: Food in Film: Culture, Power & Desire |
| FMP 411: Welcome to Hollywood |
| FMP 417: Business and Legal Practices in Entertainment |
| FMP 475: Producing Series |
| FMP 494: Video Production Lab |
| THP 351: Arts Management |

| Film Production Courses |
|---|
| FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro |
| FMP 220: Film and Media Post-Production I |
| FMP 225: Principles of Visual Effects Compositing |
| FMP 240: Introduction to Animation for Film |
| FMP 315: Sound Design for Film and Media I |
| FMP 320: Film and Media Post-Production II |
| FMP 325: Intermediate Visual Effects Compositing |
| FMP 345: Cinematography I |
| FMP 403: Independent Film (HU) |
| FMP 415: Sound Design for Film and Media II |
| FMP 420: Film and Media Post-Production III |
| FMP 445: Cinematography II |
| FMP 494: Advanced Camera Workshop |

| Film Electives |
| --- |
| FMP 194: Special Topics |
| FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro |
| FMP 220: Film and Media Post-Production I |
| FMP 225: Principles of Visual Effects Compositing |
| FMP 240: Introduction to Animation for Film |
| FMP 294: Special Topics |
| FMP 335: Careers in Film and Media Industry |
| FMP 340: Approaches to International Cinema (HU & G) |
| FMP 350: Directing for Documentary Media |
| FMP 360: The Filmmaker's Voice |
| FMP 380: Film Production Crew |
| FMP 394: Livestream Production Workshop |
| FMP 394: Special Topics |
| FMP 395: Combat in Film (SB & H) |
| FMP 400: Advanced Short Film Production |
| FMP 401: Senior Practicum |
| FMP 417: Business and Legal Practices in Entertainment |
| FMP 420: Film and Media Post-Production III |
| FMP 484: Internship |
| FMP 494: Special Topics |
| FMP 494: Advanced VFX |
| FMP 494: Doodle to Screen: Developing Animation |
| FMP 494: Immersive Aspects of Sound |
| FMP 494: Intro 3D Visual FX |
| FMP 494: Performing in the Virtual |
| FMP 494: Previsualization and Virtual Filmmaking |
| FMP 494: Sound Mixing for Film and Media |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Film and Media Production, BFA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIFMPBFA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMP 101: Orientation to Film | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. FMP 101: Orientation to Film fulfills this requirement for film majors.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FMP 180: Principles of Production Technology | 3 | C | |
| FMS 100: Introduction to Film and Media Studies (HU) | 3 | C | |
| THF 160: Introduction to Storytelling (HU) | 3 | C | |
| Mathematics (MA) | 3 | | |
| Maintain 3.00 GPA in Film courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 126: Professional Development: Communication and Collaboration | 2 | C | • Select a Creative Arts Course from the list at the bottom of the major map. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 200: Film and Media History ((L or HU) & H) | 3 | C | |
| Creative Arts Course | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) ( COM 263 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 3.00 GPA in Film courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMP 210: Principles of Filmmaking | 3 | C | • Establish career interests. |
| FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 200: Film and Media History ((L or HU) & H) | 3 | C | |

| | | |
|---|---|---|
| FMP 261: Principles of Screenwriting OR FMS 209: Screenwriting Fundamentals | 3 | C |
| Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Maintain 3.00 GPA in Film courses. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMP 280: Introduction to Film and Media Production | 3 | C | • Complete second year review in FMP 285.<br>• Choose an Upper Division track |
| FMP 285: Portfolio Preparation and Review I | 1 | C | |
| Creative Arts Course | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Film courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMP 300: Short Film Production | 3 | C | • Begin aligning your degree with your career goals. |
| FMP 360: The Filmmaker's Voice OR Upper Division Production Course | 3 | C | |
| THF 101: Acting Introduction OR THP 194: Understanding Acting | 3 | C | |
| Track Course | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Maintain 3.00 GPA in Film courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMP 335: Careers in Film and Media Industry | 3 | C | • Upper Division Related Study Elective: Course cannot be from FMP; must be related to the study of film and media.<br>• Suggested semester in Los Angeles. If post-production, consider 2 semesters in Los Angeles.<br>Fall - Post-production<br>Spring - Directors, Producers, Cinematographers |
| FMP 360: The Filmmaker's Voice OR Upper Division Production Course | 3 | C | |
| FMP 385: Portfolio Project Development OR FMP 398: Capstone Development | 2 | C | |
| Upper Division Related Study Elective | 3 | C | |
| Upper Division Track Course | 3 | C | |
| Professional Development Course | 2 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 3.00 GPA in Film courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 7 91 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Portfolio Project Course | 3 | C | • Suggested semester in Los Angeles. If post-production, consider 2 semesters in Los Angeles.<br>Fall - Post-production<br>Spring - Directors, Producers, Cinematographers<br>• Gather professional references |
| FMP 403: Independent Film (HU) | 3 | C | |
| Upper Division Track Course | 3 | C | |
| Professional Development Course | 2 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Maintain 3.00 GPA in Film courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Portfolio Project Course | 3 | C | • Suggested semester in Los Angeles. If post-production, consider 2 semesters in Los Angeles.<br>Fall - Post-production<br>Spring - Directors, Producers, Cinematographers<br>• Transfer students will complete one additional hour of elective credit in Term 8 to reach the university required minimum of 120 hours, because FMP 101 in Term 1 is not required for transfer students. |
| FMP 485: Portfolio Preparation and Review II | 1 | C | |
| Upper Division Producing Course (FMP 411 Recommended) | 3 | C | |
| Upper Division Film Elective | 3 | | |
| Professional Development Course | 2 | C | |
| Upper Division Elective | 3 | | |
| Maintain 3.00 GPA in Film courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Creative Arts Courses | Professional Development Courses | Acting Courses |
|---|---|---|
| AME 210: Media Editing | FMP 380: Film Production Crew | THF 101: Acting Introduction |
| ART 107: Photography as Experience | FMP 401: Senior Practicum | THP 194: Understanding Acting |
| ART 108: Digital Literacy for the Arts (CS) | FMP 484: Internship | THP 387: Acting VI |
| ART 116: Introduction to Digital Media | | FMP 494: Advanced Camera Workshop |
| ART 123: Introduction to Photography for Nonmajors (HU) | | FMP 494: Film Director: Actor Collaboration Lab |
| DCE 202: Dance in U.S. Popular Culture (HU & C) | | FMP 494: Performing in the Virtual |
| DSC 102: Introduction to Design | | |
| ENG 210: Introduction to Creative Writing | | |
| FMP 194: Special Topics | | |
| FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro | | |
| FMP 225: Principles of Visual Effects Compositing | | |
| FMP 240: Introduction to Animation for Film | | |

- FMP 294: Special Topics
- IAP 201: Introduction to Interdisciplinary Arts (HU)
- IAP 364: Documentaries
- MUS 210: The Arts Around Us (HU)
- MUS 212: Music, Meaning and Imagination (HU)
- THF 215: Design and Composition for Theatre and Film (HU)
- THF 220: Principles of Dramatic Analysis (L or HU)
- THP 218: Directing I: Introduction to Directing
- THP 260: Introduction to Dramatic Writing

**Editing Track Courses**

- FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro
- FMP 220: Film and Media Post-Production I
- FMP 255: Media Authorship (CS)
- FMP 320: Film and Media Post-Production II
- FMP 420: Film and Media Post-Production III
- FMP 494: Previsualization and Virtual Filmmaking

**Sound Track Courses**

- FMP 194: Avid Certification Course: Pro Tools I
- FMP 194: Sound Aesthetics in Film and Media
- FMP 294: Audio Drama and Podcast Production
- FMP 294: Production Sound: On Set Audio
- FMP 294: Recordings in Post (ADR, Foley and Field)
- FMP 315: Sound Design for Film and Media I
- FMP 415: Sound Design for Film and Media II
- FMP 494: Immersive Aspects of Sound
- FMP 494: Sound Mixing for Film and Media

**Cinematography Track Courses**

- FMP 345: Cinematography I
- FMP 445: Cinematography II
- FMP 494: Advanced Camera Workshop
- FMP 494: Previsualization and Virtual Filmmaking

**Film Electives**

- FMP 330: Professional and Technical Writing for Film/TV Industry
- FMP 340: Approaches to International Cinema (HU & G)
- FMP 394: Special Topics
- FMP 395: Combat in Film (SB & H)
- FMP 405: Film and Television: Pioneers, Practices and Innovations
- FMP 417: Business and Legal Practices in Entertainment
- FMP 494: Special Topics

**VFX Track Courses**

- FMP 225: Principles of Visual Effects Compositing
- FMP 240: Introduction to Animation for Film
- FMP 325: Intermediate Visual Effects Compositing
- FMP 494: Advanced VFX
- FMP 494: Doodle to Screen: Developing Animation
- FMP 494: Intro 3D Visual FX
- FMP 494: Previsualization and Virtual Filmmaking

**Upper Division Production Courses**

- IAP 364: Documentaries
- FMP 350: Directing for Documentary Media
- FMP 355: Transborder Digital Media Making
- FMP 394: Livestream Production Workshop
- FMP 400: Advanced Short Film Production
- FMP 494: Previsualization and Virtual Filmmaking
- FMP 494: Video Production Lab

| Directing Track Courses |
| --- |
| FMP 318: Directing for Film and Media I |
| FMP 350: Directing for Documentary Media |
| FMP 418: Directing for Film and Media II |
| FMP 494: Film Director: Actor Collaboration Lab |
| FMP 494: Performing in the Virtual |
| FMP 494: Previsualization and Virtual Filmmaking |

| Portfolio Project Courses |
| --- |
| FMP 400: Advanced Short Film Production |
| FMP 461: Advanced Screenwriters Workshop |
| FMP 480: Film Lab I: Production |
| FMP 481: Film Lab II: Post-Production |
| FMP 494: Directing the Personal Documentary |
| FMP 494: Video Production Lab |
| THF 497: Senior Project |

| Producing Track Courses |
| --- |
| FMP 330: Professional and Technical Writing for Film/TV Industry |
| FMP 350: Directing for Documentary Media |
| FMP 355: Transborder Digital Media Making |
| FMP 370: Producing for Film and Media |
| FMP 394: Livestream Production Workshop |
| FMP 411: Welcome to Hollywood |
| FMP 417: Business and Legal Practices in Entertainment |
| FMP 475: Producing Series |
| HDA 252: Foundations Arts and Design Entrepreneurship |
| IAP 364: Documentaries |
| THP 351: Arts Management |

| Screenwriting Track Courses |
| --- |
| FMP 330: Professional and Technical Writing for Film/TV Industry |
| FMP 361: Writing the Short Film |
| FMP 365: Developing a Series |
| FMP 461: Advanced Screenwriters Workshop |
| FMP 465: Series Writers Workshop |
| FMP 475: Producing Series |
| FMS 309: Intermediate Screenwriting |
| FMS 409: Advanced Screenwriting |
| THP 394: Writing for Horror, SciFi, and Fantasy |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Graphic Design, BSD

School/College: Herberger Institute for Design and the Arts
Location: Tempe
ARGRABSD

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DSC 100: ASU Design Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design School majors complete DSC 100 to fulfill this requirement.<br>• Join a student club or professional organization. |
| GRA 101: Designing Life | 3 | C | |
| GRA 111: Graphic Design History I (HU) | 3 | C | |
| GRA 121: Principles for Graphic Design I | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 112: Graphic Design History II | 3 | C | • All Graphic Design students are expected to have at least a 3.00 ASU cumulative GPA and a C or better in their first five core classes (GRA 101, 111, 121, 112, and 122) to be eligible to continue in the degree. Students who do not have a 3.00 ASU cumulative GPA and a C or better in the five core first-year courses, could be required to change their major and need to meet with their academic advisor. |
| GRA 122: Principles for Graphic Design II | 3 | C | |
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 220: Design Drawing I | 3 | C | • Develop your professional online presence. |
| GRA 221: Letterform | 3 | C | |
| GRA 222: Visual Communication I | 3 | C | |
| GRA 225: Communication/Interaction Design Theory | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Minimum 3.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

| **Term 4 46 - 61 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| GRA 223: Typography | 3 | C | • Complete an in person or virtual practice interview |
| GRA 224: Visual Communication II | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( INT 121 recommended) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 2 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 5 61 - 76 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| GRA 321: Technology for Design I | 3 | C | • Develop your skills |
| GRA 361: Visual Communication III | 5 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 6 76 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| GRA 322: Technology for Design II | 3 | C | |
| GRA 362: Visual Communication IV | 5 | C | |
| ARS 300: Introduction to Art (HU) | 3 | C | |
| GRA 345: Design Rhetoric (L) | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| **Summer 6 90 - 92 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| GRA 484: Internship | 2 | Y | |
| Term hours subtotal: | 2 | | |

| **Term 7 92 - 106 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| GRA 421: Exhibit Design | 3 | C | • Gather professional references |
| GRA 422: Motion Graphics and Interaction Design | 3 | C | |
| GRA 461: Visual Communication V | 5 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |

| | | |
|---|---|---|
| Term hours subtotal: | 14 | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GRA 423: Advanced Interaction Design | 3 | C | |
| ★ GRA 424: Advanced Media | 3 | C | |
| ★ GRA 462: Visual Communication VI | 5 | C | |
| Elective | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Graphic Design, BSD

School/College: Herberger Institute for Design and the Arts
Location: Online, ASU Local
ARGRABSD

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 101: Designing Life | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Join a student club or professional organization. |
| HDA 101: ASU and Herberger Institute Experience | 1 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 111: Graphic Design History I (HU) | 3 | C | • View ASU Online first-year student registration information here. |
| GRA 121: Principles for Graphic Design I | 3 | C | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 112: Graphic Design History II | 3 | C | • All Graphic Design students are expected to have at least a 3.00 ASU cumulative GPA and a C or better in their first five core classes (GRA 101, 111, 121, 112, and 122) to be eligible to continue in the degree. Students who do not have a 3.00 ASU cumulative GPA and a C or better in the five core first-year courses, could be required to change their major and need to meet with their academic advisor. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 122: Principles for Graphic Design II | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 220: Design Drawing I | 3 | C | • Develop your professional online presence. |
| GRA 221: Letterform | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 31 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 222: Visual Communication I | 3 | C | |
| GRA 225: Communication/Interaction Design Theory | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 37 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 223: Typography | 3 | C | • Complete an in person or virtual practice interview. |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 43 - 50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 224: Visual Communication II | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 50 - 58 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 321: Technology for Design I | 3 | C | • GRA 361 is a Session C course (15 weeks long).<br>• Develop your skills. |
| GRA 361: Visual Communication III | 5 | C | |
| Term hours subtotal: | 8 | | |

| Term 5 - B 58 - 64 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 64 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 322: Technology for Design II | 3 | C | • GRA 362 is a Session C course (15 weeks long). |
| GRA 362: Visual Communication IV | 5 | C | |
| Term hours subtotal: | 8 | | |

| Term 6 - B 72 - 80 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRA 484: Internship | 2 | Y | |

| | | | |
|---|---|---|---|
| ARS 300: Introduction to Art (HU) | 3 | C | • GRA 484 is usually taken in the summer between Terms 6 and 7. |
| GRA 345: Design Rhetoric (L) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 8 | | |

| **Term 7 - A 80 - 88 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GRA 421: Exhibit Design | 3 | C | • GRA 461 is a Session C course (15 weeks long).<br>• Gather professional references. |
| ★ GRA 461: Visual Communication V | 5 | C | |
| Term hours subtotal: | 8 | | |

| **Term 7 - B 88 - 94 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GRA 422: Motion Graphics and Interaction Design | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| **Term 8 - A 94 - 102 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GRA 423: Advanced Interaction Design | 3 | C | • GRA 462 is a Session C course (15 weeks long). |
| ★ GRA 462: Visual Communication VI | 5 | C | |
| Term hours subtotal: | 8 | | |

| **Term 8 - B 102 - 107 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GRA 424: Advanced Media | 3 | C | |
| Elective | 2 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 5 | | |

| **Term 9 - A 107 - 114 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| **Term 9 - B 114 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Elective | 3 | | |
| ★ Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Industrial Design, BSD

School/College: Herberger Institute for Design and the Arts
Location: Tempe
ARINDBSD

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DSC 100: ASU Design Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design School majors take DSC 100 to fulfill this requirement.<br>• Join a student club or professional organization. |
| DSC 101: Design Awareness (HU & G) | 3 | C | |
| IND 120: Drawing for Industrial Design | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IND 121: Principles for Industrial Design I | 3 | C | • All Industrial Design students are expected to have at least a 3.00 ASU cumulative GPA and a C or better in their first four core classes (IND 120, IND 121, IND 122, and DSC 101) to be eligible to continue in the degree. Students who do not have a 3.00 ASU cumulative GPA and a C or better in the four core first-year courses, could be required to change their major and need to meet with their academic advisor. |
| IND 122: Principles for Industrial Design II | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DSC 236: Introduction to Computer Modeling (CS) | 3 | C | • Develop your professional online presence |
| IND 227: Visual Methods for Problem Solving | 3 | C | |
| IND 242: Materials and Design | 3 | C | |
| IND 260: Industrial Design I | 3 | C | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Minimum 3.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

| **Term 4** 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IND 228: Imaging and Visualization | 3 | C | • Complete an in person or virtual practice interview |
| IND 243: Design for Ecology and Social Equity | 3 | C | |
| IND 261: Industrial Design II | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5** 63 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IND 327: Presentation Graphics | 3 | C | • Develop your skills |
| IND 360: Industrial Design III | 5 | C | |
| IND 316: 20th-Century Design I (HU & H) | 3 | C | |
| IND 344: Human Factors in Design | 3 | C | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| **Term 6** 77 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IND 328: Graphics for Industrial Design | 3 | C | • Summer Internship: students complete an internship between Terms 6 and 7. |
| IND 361: Industrial Design IV | 5 | C | |
| IND 317: 20th-Century Design II (HU & H) | 3 | C | |
| IND 354: Principles of Product Design | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| **Summer 6** 91 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IND 484: Internship | 2 | Y | |
| Term hours subtotal: | 2 | | |

| **Term 7** 93 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IND 460: Design Project I | 5 | C | • Summer Internship: students complete the internship between Terms 6 and 7.<br>• Gather professional references.<br>• Students should see their advisor to receive approval to substitute a marketing course in place of MKT 395. |
| IND 470: Professional Practice for Industrial Design (L) | 3 | C | |
| MKT 395: Essentials of Advertising and Marketing Communication OR Upper Division Approved Marketing Course | 3 | | |
| Elective | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |

| | |
|---|---|
| Term hours subtotal: | 14 |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IND 461: Design Project II | 5 | C | |
| ECN 212: Microeconomic Principles (SB) | 3 | | |
| ENG 301: Writing for the Professions (L) | 3 | | |
| Elective | 2 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Interior Design, BSD

School/College: Herberger Institute for Design and the Arts
Location: Tempe
ARINTBSD

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DSC 100: ASU Design Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design majors take DSC 100 to fulfill this requirement.<br>• Join a student club or professional organization. |
| INT 111: Interior Design Issues and Theories (HU) | 3 | C | |
| INT 120: Design Fundamentals I | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| INT 121: Introduction to Computer Modeling for Interior Design (CS) | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| INT 122: Principles of Design | 3 | C | • Interior Design majors are expected to have a minimum 3.00 ASU cumulative GPA (by the time spring semester grades are posted) and complete INT 111, INT 120, INT 121, INT 122, INT 123, INT 124, and INT 131 with a grade of "C" or better. For more information on degree milestones, visit this website. |
| INT 124: Design Fundamentals II Lecture | 1 | C | |
| INT 131: Design and Human Behavior (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| INT 123: Introduction to Computer-Aided Design and Building Information Modeling | 3 | C | |
| Elective | 2 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| INT 223: Drafting for Interior Design | 3 | C | • Develop your professional online presence. |
| INT 261: Interior Design Studio I | 3 | C | |
| MSE 208: Patterns in Nature (SQ) OR PHS 208: Patterns in Nature (SQ) OR PHY 101: Introduction to Physics (SQ) | 4 | C | |

| | | |
|---|---|---|
| Global Awareness (G) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Minimum 3.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| INT 253: Interior Materials, Finishes, and Specifications | 3 | C | • Complete an in person or virtual practice interview. |
| INT 262: Interior Design Studio II | 3 | C | |
| INT 341: Interior Codes: Public Welfare and Safety | 2 | C | |
| ARS 102: Art from Renaissance to Modernism (HU & H) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete MSE 208 OR PHS 208 OR PHY 101 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 61 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| INT 362: Interior Design Studio III | 5 | C | • Develop your skills. |
| INT 310: History of Interior Design I (HU & H) | 3 | C | |
| INT 351: Ambient Environment | 3 | C | |
| INT 352: Construction Methods in Interior Design | 3 | C | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 6 75 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| INT 363: Interior Design Studio IV | 5 | C | |
| INT 311: History of Interior Design II (HU & H) | 3 | C | |
| INT 354: Construction Documents | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Summer 6 89 - 92 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| INT 484: Internship | 3 | Y | • It is recommended students complete INT 484 Internship in the summer semester (Summer 6), however, students can complete this course during Term 7 (fall) or Term 8 (spring). |
| Term hours subtotal: | 3 | | |

| Term 7 92 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| INT 464: Interior Design Studio V | 5 | C | |

| | | | |
|---|---|---|---|
| INT 415: Latin American Design | 3 | C | • It is recommended students complete INT 484 Internship in the summer semester (Summer 6), however, students can complete this course during Term 7 (fall) or Term 8 (spring).<br>• Gather professional references. |
| INT 471: Facilities Management | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 8** 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ INT 465: Interior Design Studio VI | 5 | C | • It is recommended students complete INT 484 Internship in the summer term (Summer 6), however, students can complete this course during Term 7 (fall) or Term 8 (spring). |
| INT 472: Professional Practice for Interior Design | 2 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  • Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Landscape Architecture, BSLA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
ARPLABSLA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Design School majors take DSC 100 to fulfill this requirement.<br>• Join a student club or professional organization. |
| ALA 121: Design Fundamentals I | 3 | C | |
| DSC 100: ASU Design Experience | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G) | 3 | C | • Secure a part-time job or volunteer experience |
| ALA 122: Design Fundamentals II | 3 | C | |
| ALA 124: Design Fundamentals II Lecture | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAP 231: Introduction to Digital Applications for Designers (CS) | 3 | C | • Develop your professional online presence. |
| LDE 261: Landscape Architecture Design Fundamentals III | 4 | C | |
| LAP 312: 20th-Century Landscape Architecture (HU) | 3 | C | |

| | | |
|---|---|---|
| GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Minimum 3.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 14 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAP 251: Plant Materials for Sustainable Landscapes | 3 | C | • Complete an in person or virtual practice interview. |
| LDE 262: Landscape Architecture Design Fundamentals IV | 4 | C | |
| LAP 311: History of Landscape Architecture (HU & H) | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete GPH 111 AND GPH 112 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAP 341: Landscape Construction I | 3 | C | • Develop your skills. |
| LAP 353: Planting Design for Sustainable Landscapes | 3 | C | |
| LDE 361: Landscape Architecture I | 5 | C | |
| LAP 352: Ecosystems and Sustainable Design | 3 | C | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 6 74 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAP 342: Landscape Construction II | 3 | C | |
| LAP 371: Professional Practice | 1 | C | |
| LDE 362: Landscape Architecture II | 5 | C | |
| LAP 332: GIS Applications in Environmental Design (CS) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Summer 6 89 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAP 484: Internship OR LAP 485: International Field Studies (G) | 2 | Y | • Students may take LAP 484 Internship in summer, fall, or spring. They must be enrolled in LAP 484 during the term in which they complete the internship. |
| Term hours subtotal: | 2 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LDE 461: Landscape Architecture III | 5 | C | • Gather professional references. |

| | | | |
|---|---|---|---|
| LAP 413: Landscape Architecture Theory and Criticism (L) | 3 | C | |
| Upper Division Design Professional Elective | 3 | C | |
| Elective | 4 | | |
| Complete LAP 484 OR LAP 485 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 8 106 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ LDE 462: Landscape Architecture IV | 5 | C | |
| Upper Division Design Professional Elective | 6 | C | |
| Elective | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

Hide Course List(s)/Track Group(s)

Design Professional Elective

ARC OR DSC OR EDS OR GRA OR IND OR INT OR LAP OR LTE OR LDE OR LTC Upper Division Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Media Arts and Sciences, BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDGCBA

**This program's name has changed effective Fall 2023. The previous name was Digital Culture.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media Course OR Digital Culture Studies Course | 3 | C | • Digital Media courses include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.<br>• Build your skills. |
| Lower Division Digital Culture Studies Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Digital Media Course OR Digital Culture Studies Course | 6 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies Course | 3 | C | • Build a digital portfolio. |
| *Complete 2 courses:*<br>Upper Division Digital Media Course OR AME Upper Division Elective | 6 | C | |
| Upper Division History/Theory Course | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies Course | 3 | C | • Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.<br>• Explore an internship. Any internship approved for AME 484 Internship credit will automatically fulfill AME 486 Capstone II. |
| Elective | 3 | | |
| *Complete 2 courses:*<br>Upper Division Digital Media Course OR AME Upper Division Elective | 6 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Digital Media Course OR AME Upper Division Elective | 3 | C | |
| Media Engineering Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Digital Media Course OR AME Upper Division Elective | 6 | C | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective |
|---|
| AME OR MDC Lower Division Elective |

| Digital Culture Studies Course List |
|---|
| AME 210: Media Editing |
| AME 220: Programming for the Web (CS) |
| AME 240: Introduction to Physical Computing |
| AME 244: Introduction to Interactive Environments |
| AME 294: Circuit Bending |
| AME 294: Design Politics |
| AME 294: Soundscape Ecology |
| AME 294: Special Topics |
| AME 310: Media Literacies and Composition |
| AME 320: Motion Capture for Integrative Systems |
| AME 325: Technical Lives |
| AME 330: Digital-Physical Systems |
| AME 333: Improvising Cyborgs |
| AME 360: Designing Mixed-Reality Experiences |

| Digital Media Course List |
|---|
| ART 116: Introduction to Digital Media |
| ART 206: Digital Photography I |
| ART 217: Introduction to Computer Animation |
| ART 308: 2D Digital Animation |
| ART 312: Illustration |
| ART 346: 3-D Computer Imaging and Animation (CS) |
| ART 348: Animation Motion Studies |
| ART 394: Digital Photography for Non-Majors |
| ART 424: Stop Motion Animation |
| ART 438: Moving and Interactive Systems in Sculpture |
| ART 440: Experimental Video Art |
| ART 444: Short Subject: Documentary Video |
| ART 494: Visual Prototyping |
| CIS 300: Web Design and Development |

- AME 394: Computational Photography
- AME 394: Special Topics
- AME 410: Interactive Materials
- AME 411: Advanced Interactive Sound
- AME 430: Mac Development for Media Arts
- AME 435: Mobile Development
- AME 444: Media Installations
- AME 470: Programming for Social and Interactive Media
- AME 494: Animating Virtual Worlds
- AME 494: Special Topics
- ART 116: Introduction to Digital Media
- ART 378: Digital Textiles
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- FSH 394: Fashion Design & Wearable Technology
- MDC 211: Introduction to Digital Sound
- MDC 311: Composing and Performing for Hybrid Ensembles
- MDC 411: Advanced Interactive Sound
- CPI 111: Game Development I (CS)
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- EDT 440: Creating and Marketing Mobile Apps
- FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro
- FMP 225: Principles of Visual Effects Compositing
- FMP 240: Introduction to Animation for Film
- FMP 255: Media Authorship (CS)
- FMP 315: Sound Design for Film and Media I
- FMS 200: Film and Media History ((L or HU) & H)
- FMS 294: Introduction to Videogames
- FMS 351: Emerging Digital Media
- FMS 365: Video Games and Narrative
- GIT 135: Graphic Communications
- GIT 211: 3D Media Production
- GIT 215: Introduction to Web Authoring
- GIT 230: Digital Illustration in Publishing
- GIT 314: Multimedia Design, Planning and Storyboards
- GIT 402: New Media Internet Technologies
- GRA 294: Illustrator
- GRA 294: InDesign
- GRA 294: Photoshop
- IAP 103: Foundations I: Interdisciplinary Art Practice
- IAP 104: Foundations I: Fundamentals of Sound Art
- IAP 322: Multitrack Digital Recording
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 364: Documentaries
- IAP 367: Motion Graphics and Animation
- IAP 375: Contemporary Performance: Theories and Practice
- IAP 462: Games and Play
- IAP 480: Art as Praxis: From Conceptualization to Production

MCO 433: Social Media Campaigns, Engagement and Research

MDC 311: Composing and Performing for Hybrid Ensembles

MHL 201: Media Literacy for Musicians (CS)

TWC 411: Principles of Visual Communication (L)

TWC 451: Copyright and Intellectual Property in the Electronic Age

TWC 452: Information in the Digital Age

History/Theory Course List

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

ARS 345: Art and Television

ARS 394: Anime

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

DCE 300: Dancing Histories (HU)

FMP 403: Independent Film (HU)

FMP 405: Film and Television: Pioneers, Practices and Innovations

IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LAP 311: History of Landscape Architecture (HU & H)

LAP 312: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Special Topics

Media Engineering Course List

AME 394: Synthesis and Expression

AME 410: Interactive Materials

AME 430: Mac Development for Media Arts

AME 435: Mobile Development

AME 470: Programming for Social and Interactive Media

AME 494: Animating Virtual Worlds

AME 494: Musical Microcontrollers

AME 494: Programming for the Internet of Things

EEE 307: Signal Processing for Digital Culture

GIT 335: Computer Systems Technology

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map
# Media Arts and Sciences, BA

School/College: Herberger Institute for Design and the Arts
Location: Online, ASU Local
HIDGCBA

**This program's name has changed effective Fall 2023. The previous name was Digital Culture.**

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HDA 101: ASU and Herberger Institute Experience | 1 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities and play me3@ASU. |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Milestone: GPA First-Year Review | | |
| Complete First-Year Composition requirement. | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 25 - 31 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Lower Division Digital Culture Flexible Elective | 3 | C | • Build your skills. |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 31 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media Course OR Digital Culture Studies Course | 3 | C | • Digital Media Courses are classes that include digital media projects within a trans-disciplinary area of study. See course list below, or talk to your advisor for specific course options. |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 37 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media Course OR Digital Culture Studies Course | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 43 - 49 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media Course OR Digital Culture Studies Course | 3 | C | |
| Lower Division Digital Culture Studies Course | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 49 - 56 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | • Build a digital portfolio. |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 56 - 62 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies Course | 3 | C | |
| Elective | 3 | | |

| | | | |
|---|---|---|---|
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 6 | |

| Term 6 - A 62 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | • Explore an internship. Any internship approved for AME 484 Internship credit will automatically fulfill AME 486 Capstone II. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Media Course OR AME Upper Division Elective | 3 | C | |
| Upper Division History/Theory Course | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Digital Culture Studies Course | 3 | C | |
| Upper Division Digital Media Course OR AME Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Digital Media Course OR AME Upper Division Elective | 6 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Media Course OR AME Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by | | Minimum | |
|---|---|---|---|

| ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Digital Media Course OR AME Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Media Engineering Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | |
| Upper Division Digital Media Course OR AME Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective |
|---|
| AME OR MDC Lower Division Elective |

| Media Engineering Course List |
|---|
| AME 494: Animating Virtual Worlds |

| Digital Culture Studies Course List |
|---|
| AME 210: Media Editing |
| AME 220: Programming for the Web (CS) |
| AME 325: Technical Lives |
| AME 360: Designing Mixed-Reality Experiences |
| AME 394: Special Topics |
| AME 494: Special Topics |
| AME Elective |

| Digital Media Course List |
|---|
| ART 116: Introduction to Digital Media |
| ART 206: Digital Photography I |

| History/Theory Course List |
|---|
| ARS 345: Art and Television |
| ARS 394: Anime |

- ART 217: Introduction to Computer Animation
- ART 394: Digital Photography for Non-Majors
- ART 494: Visual Prototyping
- CIS 300: Web Design and Development
- FMS 200: Film and Media History ((L or HU) & H)
- FMS 294: Introduction to Videogames
- FMS 351: Emerging Digital Media
- FMS 365: Video Games and Narrative
- GIT 135: Graphic Communications
- GIT 211: 3D Media Production
- GIT 215: Introduction to Web Authoring
- GIT 230: Digital Illustration in Publishing
- GIT 314: Multimedia Design, Planning and Storyboards
- GIT 402: New Media Internet Technologies
- IAP 103: Foundations I: Interdisciplinary Art Practice
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 364: Documentaries
- IAP 462: Games and Play
- IAP 375: Contemporary Performance: Theories and Practice
- IAP 480: Art as Praxis: From Conceptualization to Production
- MCO 433: Social Media Campaigns, Engagement and Research
- MHL 201: Media Literacy for Musicians (CS)
- TWC 411: Principles of Visual Communication (L)
- TWC 451: Copyright and Intellectual Property in the Electronic Age
- TWC 452: Information in the Digital Age
- ARS 438: Art of the 20th Century I (HU & H)
- FMP 405: Film and Television: Pioneers, Practices and Innovations
- IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)
- MUS 347: Jazz in America (HU & C)
- MUS 354: Popular Music
- MUS 356: Broadway and the American Musical (HU)
- MUS 362: Rap Music and Hip Hop Culture (HU & C)
- STS 303: History of Science and Technology (H)
- THE 322: Theatre History and Culture (HU & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map
# Media Arts and Sciences (Art), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDGCABA

**This program's name has changed effective Fall 2023. The previous name was Digital Culture (Art).**

| **Term 1 0 - 16 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 2 16 - 31 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Join a student club or professional organization. |
| ARS 102: Art from Renaissance to Modernism (HU & H) OR ARS 250: History of Photography (HU) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |

Term hours subtotal: 15

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media OR Digital Culture Studies | 3 | C | • Digital Media courses include digital media projects within a trans-disciplinary area of study. See the course list below or talk to your advisor for specific course options.<br>• Build your skills. |
| ART 108: Digital Literacy for the Arts (CS) OR ART 110: Drawing as Seeing and Thinking (HU) OR ART 113: Pictorial Investigations and Color Theory | 3 | C | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media OR Digital Culture Studies | 3 | C | |
| ART 216: Contemporary Art in Practice: Methods, Making, Meaning | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of digital culture and personal career interests.<br>• Build a digital portfolio. |
| Upper Division Digital Culture Studies OR Related Digital Culture Course | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| History/Theory Course | 3 | C | |
| Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Explore an internship. |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division History/Theory Course | 3 | C | |
| Upper Division Studio Art | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |

| | | | |
|---|---|---|---|
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| | Maintain 3.00 GPA in Digital Culture coursework. | | |
| | Minimum 2.50 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Art History | 3 | C | |
| Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Related Digital Culture Course OR Upper Division Digital Media | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | |
| Upper Division Art Concentration Course | 3 | C | |
| Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Media Engineering | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective | Digital Culture Studies Course List | Digital Media Course List |
|---|---|---|
| AME OR MDC Lower Division Elective | AME 210: Media Editing | ART 116: Introduction to Digital Media |
| | AME 220: Programming for the Web (CS) | ART 206: Digital Photography I |
| | AME 240: Introduction to Physical Computing | ART 217: Introduction to Computer Animation |
| | AME 244: Introduction to Interactive Environments | ART 308: 2D Digital Animation I |
| | AME 294: Circuit Bending | ART 312: Illustration |
| | AME 294: Design Politics | ART 346: 3D Computer Imaging and Animation (CS) |
| | AME 294: Soundscape Ecology | ART 348: Animation Motion Studies |
| | AME 294: Special Topics | ART 394: Digital Photography for Non-Majors |
| | AME 310: Media Literacies and Composition | ART 424: Stop Motion Animation |
| | AME 320: Motion Capture for Integrative Systems | ART 438: Moving and Interactive Systems in Sculpture |
| | AME 325: Technical Lives | |

- AME 330: Digital-Physical Systems
- AME 333: Improvising Cyborgs
- AME 360: Designing Mixed-Reality Experiences
- AME 394: Computational Photography
- AME 394: Special Topics
- AME 410: Interactive Materials
- AME 411: Advanced Interactive Sound
- AME 430: Mac Development for Media Arts
- AME 435: Mobile Development
- AME 444: Media Installations
- AME 470: Programming for Social and Interactive Media
- AME 494: Animating Virtual Worlds
- AME 494: Special Topics
- ART 116: Introduction to Digital Media
- ART 378: Digital Textiles
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- FSH 394: Fashion Design & Wearable Technology
- MDC 211: Introduction to Digital Sound
- MDC 311: Composing and Performing for Hybrid Ensembles
- MDC 411: Advanced Interactive Sound
- ART 440: Experimental Video Art
- ART 444: Short Subject: Documentary Video
- ART 494: Visual Prototyping
- CIS 300: Web Design and Development
- CPI 111: Game Development I (CS)
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- EDT 440: Creating and Marketing Mobile Apps
- FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro
- FMP 225: Principles of Visual Effects Compositing
- FMP 240: Introduction to Animation for Film
- FMP 255: Media Authorship (CS)
- FMP 315: Sound Design for Film and Media I
- FMS 200: Film and Media History ((L or HU) & H)
- FMS 294: Introduction to Videogames
- FMS 351: Emerging Digital Media
- FMS 365: Video Games and Narrative
- GIT 135: Graphic Communications
- GIT 211: 3D Media Production
- GIT 215: Introduction to Web Authoring
- GIT 230: Digital Illustration in Publishing
- GIT 314: Multimedia Design, Planning and Storyboards
- GIT 402: New Media Internet Technologies
- GRA 294: Illustrator
- GRA 294: InDesign
- GRA 294: Photoshop
- IAP 103: Foundations I: Interdisciplinary Art Practice
- IAP 104: Foundations I: Fundamentals of Sound Art
- IAP 322: Multitrack Digital Recording
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 364: Documentaries
- IAP 367: Motion Graphics and Animation

IAP 375: Contemporary Performance: Theories and Practice

IAP 462: Games and Play

IAP 480: Art as Praxis: From Conceptualization to Production

MCO 433: Social Media Campaigns, Engagement and Research

MDC 311: Composing and Performing for Hybrid Ensembles

MHL 201: Media Literacy for Musicians (CS)

TWC 411: Principles of Visual Communication (L)

TWC 451: Copyright and Intellectual Property in the Electronic Age

TWC 452: Information in the Digital Age

| Upper Division Art Concentration Course List |
| --- |
| ARS 345: Art and Television |
| ARS 394: Anime |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 439: Art of the 20th Century II (HU & H) |
| ARS 456: Introduction to Museums |
| ART 308: 2D Digital Animation I |
| ART 312: Illustration |
| ART 346: 3D Computer Imaging and Animation (CS) |
| ART 348: Animation Motion Studies |
| ART 394: Digital Photography for Non-Majors |
| ART 424: Stop Motion Animation |
| ART 439: Studio Inquiry: Practice and Cultural Context |
| ART 440: Experimental Video Art |
| ART 442: Art and Community |
| ART 445: Digital Processes for Printmaking |
| ART 444: Short Subject: Documentary Video |
| ART 494: Visual Prototyping |
| ART 494: Women/Art/Technology |

| Upper Division Art History Course List |
| --- |
| ARS 345: Art and Television |
| ARS 370: The Art of the Comic |
| ARS 394: Anime |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 439: Art of the 20th Century II (HU & H) |
| ARS 456: Introduction to Museums |

| Upper Division Studio Art Course List |
| --- |
| ART 308: 2D Digital Animation I |
| ART 312: Illustration |
| ART 346: 3D Computer Imaging and Animation (CS) |
| ART 348: Animation Motion Studies |
| ART 394: Digital Photography for Non-Majors |
| ART 424: Stop Motion Animation |
| ART 439: Studio Inquiry: Practice and Cultural Context |
| ART 440: Experimental Video Art |
| ART 442: Art and Community |
| ART 444: Short Subject: Documentary Video |
| ART 445: Digital Processes for Printmaking |
| ART 494: Visual Prototyping |
| ART 494: Women/Art/Technology |

| History/Theory Course List |
| --- |

| Media Engineering Course List |
| --- |

| Related Digital Culture Course List |
| --- |

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

ARA 202: Understanding Photographs

ARS 102: Art from Renaissance to Modernism (HU & H)

ARS 345: Art and Television

ARS 394: Anime

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

DCE 300: Dancing Histories (HU)

DSC 101: Design Awareness (HU & G)

FMP 294: History of Film & Television Production

FMP 403: Independent Film (HU)

FMP 405: Film and Television: Pioneers, Practices and Innovations

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LAP 311: History of Landscape Architecture (HU & H)

AME 394: Synthesis and Expression

AME 410: Interactive Materials

AME 430: Mac Development for Media Arts

AME 435: Mobile Development

AME 470: Programming for Social and Interactive Media

AME 494: Animating Virtual Worlds

AME 494: Musical Microcontrollers

AME 494: Programming for the Internet of Things

EEE 307: Signal Processing for Digital Culture

GIT 335: Computer Systems Technology

ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective

LAP 312: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Special Topics

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Media Arts and Sciences (Design), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDGCDBA

**This program's name has changed effective Fall 2023. The previous name was Digital Culture (Design).**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Lower Division Design Concentration | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media OR Digital Culture Studies | 3 | C | • Digital Media courses include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.<br>• Build your skills. |
| Lower Division Design Concentration | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media OR Digital Culture Studies | 3 | C | |
| Lower Division Design Concentration | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.<br>• Build a digital portfolio. |
| Upper Division Digital Culture Studies OR Related Digital Culture Course | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| History/Theory Course | 3 | C | |
| Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Explore an internship. |
| Upper Division Design Concentration | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division History/Theory Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |

| | | | |
|---|---|---|---|
| Minimum 2.50 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Design Concentration | 3 | C | |
| Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Related Digital Culture Course OR Upper Division Digital Media Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | |
| Upper Division Design Concentration | 3 | C | |
| Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Media Engineering Course | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective |
|---|
| AME OR MDC Lower Division Elective |

| Digital Culture Studies Course List |
|---|
| AME 210: Media Editing |
| AME 220: Programming for the Web (CS) |
| AME 240: Introduction to Physical Computing |
| AME 244: Introduction to Interactive Environments |
| AME 294: Circuit Bending |
| AME 294: Design Politics |
| AME 294: Soundscape Ecology |
| AME 294: Special Topics |
| AME 310: Media Literacies and Composition |
| AME 320: Motion Capture for Integrative Systems |
| AME 325: Technical Lives |
| AME 330: Digital-Physical Systems |
| AME 333: Improvising Cyborgs |

| Digital Media Course List |
|---|
| ART 116: Introduction to Digital Media |
| ART 206: Digital Photography I |
| ART 217: Introduction to Computer Animation |
| ART 308: 2D Digital Animation |
| ART 312: Illustration |
| ART 346: 3-D Computer Imaging and Animation (CS) |
| ART 348: Animation Motion Studies |
| ART 394: Digital Photography for Non-Majors |
| ART 424: Stop Motion Animation |
| ART 438: Moving and Interactive Systems in Sculpture |
| ART 440: Experimental Video Art |
| ART 444: Short Subject: Documentary Video |
| ART 494: Visual Prototyping |

- AME 360: Designing Mixed-Reality Experiences
- AME 394: Computational Photography
- AME 394: Special Topics
- AME 410: Interactive Materials
- AME 411: Advanced Interactive Sound
- AME 430: Mac Development for Media Arts
- AME 435: Mobile Development
- AME 444: Media Installations
- AME 470: Programming for Social and Interactive Media
- AME 494: Animating Virtual Worlds
- AME 494: Special Topics
- ART 116: Introduction to Digital Media
- ART 378: Digital Textiles
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- FSH 394: Fashion Design & Wearable Technology
- MDC 211: Introduction to Digital Sound
- MDC 311: Composing and Performing for Hybrid Ensembles
- MDC 411: Advanced Interactive Sound
- CIS 300: Web Design and Development
- CPI 111: Game Development I (CS)
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- EDT 440: Creating and Marketing Mobile Apps
- FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro
- FMP 225: Principles of Visual Effects Compositing
- FMP 240: Introduction to Animation for Film
- FMP 255: Media Authorship (CS)
- FMP 315: Sound Design for Film and Media I
- FMS 200: Film and Media History ((L or HU) & H)
- FMS 294: Introduction to Videogames
- FMS 351: Emerging Digital Media
- FMS 365: Video Games and Narrative
- GIT 135: Graphic Communications
- GIT 211: 3D Media Production
- GIT 215: Introduction to Web Authoring
- GIT 230: Digital Illustration in Publishing
- GIT 314: Multimedia Design, Planning and Storyboards
- GIT 402: New Media Internet Technologies
- GRA 294: Illustrator
- GRA 294: InDesign
- GRA 294: Photoshop
- IAP 103: Foundations I: Interdisciplinary Art Practice
- IAP 104: Foundations I: Fundamentals of Sound Art
- IAP 322: Multitrack Digital Recording
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 364: Documentaries
- IAP 367: Motion Graphics and Animation
- IAP 375: Contemporary Performance: Theories and Practice
- IAP 462: Games and Play

IAP 480: Art as Praxis: From Conceptualization to Production

MCO 433: Social Media Campaigns, Engagement and Research

MDC 311: Composing and Performing for Hybrid Ensembles

MHL 201: Media Literacy for Musicians (CS)

TWC 411: Principles of Visual Communication (L)

TWC 451: Copyright and Intellectual Property in the Electronic Age

TWC 452: Information in the Digital Age

| Lower Division Design Concentration |
| --- |
| ALA 100: Introduction to Environmental Design (HU & H & G) |
| ALA 102: Landscapes and Sustainability (HU & G) |
| DSC 101: Design Awareness (HU & G) |
| EDS 223: Design Thinking |
| GRA 101: Designing Life |
| GRA 111: Graphic Design History I (HU) |
| GRA 112: Graphic Design History II |
| GRA 225: Communication/Interaction Design Theory |
| GRA 294: Special Topics |
| IND 242: Materials and Design |
| IND 243: Design for Ecology and Social Equity |
| INT 111: Interior Design Issues and Theories (HU) |
| INT 121: Introduction to Computer Modeling for Interior Design (CS) |
| INT 123: Introduction to Computer-Aided Design and Building Information Modeling |
| INT 131: Design and Human Behavior (SB) |
| LAP 251: Plant Materials for Sustainable Landscapes |

| Upper Division Design Concentration |
| --- |
| APH 300: World Architecture I/Western Cultures (HU & H & G) |
| APH 314: History of Architecture II ((L or HU) & G & H) |
| APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU) |
| APH 494: Special Topics |
| ARC 431: Contemporary Architecture and Urbanism 1970 to the Present (HU & H) |
| ARC 434: Great Cities ((L or HU) & H) |
| ARC 436: Charles and Ray Eames (HU) |
| DSC 394: Special Topics |
| DSC 494: Special Topics |
| EDS 301: Sustainable Community Design and Practices (HU) |
| GRA 345: Design Rhetoric (L) |
| GRA 401: Creative Environment |
| GRA 440: Finding Purpose |
| IND 316: 20th-Century Design I (HU & H) |
| IND 317: 20th-Century Design II (HU & H) |
| IND 344: Human Factors in Design |
| IND 354: Principles of Product Design |
| INT 310: History of Interior Design I (HU & H) |
| INT 311: History of Interior Design II (HU & H) |
| INT 415: Latin American Design |

| History/Theory Course List |
| --- |
| ALA 100: Introduction to Environmental Design (HU & H & G) |
| ALA 102: Landscapes and Sustainability (HU & G) |
| APH 300: World Architecture I/Western Cultures (HU & H & G) |
| APH 313: History of Architecture I ((L or HU) & G & H) |
| APH 314: History of Architecture II ((L or HU) & G & H) |
| ARA 202: Understanding Photographs |
| ARS 102: Art from Renaissance to Modernism (HU & H) |
| ARS 345: Art and Television |
| ARS 394: Anime |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 439: Art of the 20th Century II (HU & H) |
| DCE 300: Dancing Histories (HU) |
| DSC 101: Design Awareness (HU & G) |
| FMP 294: History of Film & Television Production |
| FMP 403: Independent Film (HU) |
| FMP 405: Film and Television: Pioneers, Practices and Innovations |
| GRA 111: Graphic Design History I (HU) |
| GRA 112: Graphic Design History II |

| | |
|---|---|
| INT 494: Special Topics | IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) |
| LAP 311: History of Landscape Architecture (HU & H) | IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) |
| LAP 312: 20th-Century Landscape Architecture (HU) | IND 316: 20th-Century Design I (HU & H) |
| LAP 485: International Field Studies (G) | IND 317: 20th-Century Design II (HU & H) |
| LAP 494: Special Topics | INT 111: Interior Design Issues and Theories (HU) |
| LPH 494: Special Topics | INT 310: History of Interior Design I (HU & H) |
| | INT 311: History of Interior Design II (HU & H) |
| | LAP 311: History of Landscape Architecture (HU & H) |
| | LAP 312: 20th-Century Landscape Architecture (HU) |
| | MUS 347: Jazz in America (HU & C) |
| | MUS 354: Special Topics |
| | MUS 356: Broadway and the American Musical (HU) |
| | MUS 362: Rap Music and Hip Hop Culture (HU & C) |
| | STS 303: History of Science and Technology (H) |
| | THE 320: History of the Theatre I (HU & H) |
| | THE 322: Theatre History and Culture (HU & H) |

| Media Engineering Course List | Related Digital Culture Course List |
|---|---|
| AME 394: Synthesis and Expression | ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective |
| AME 410: Interactive Materials | |
| AME 430: Mac Development for Media Arts | |
| AME 435: Mobile Development | |
| AME 470: Programming for Social and Interactive Media | |
| AME 494: Animating Virtual Worlds | |
| AME 494: Musical Microcontrollers | |
| AME 494: Programming for the Internet of Things | |
| EEE 307: Signal Processing for Digital Culture | |
| GIT 335: Computer Systems Technology | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Media Arts and Sciences (English), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDGCENBA

**This program's name has changed effective Fall 2023. The previous name was Digital Culture (English).**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Lower Division Digital Culture Studies | 3 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 200: Critical Reading and Writing About Literature (L or HU) | 3 | C | • Build your skills. |
| English Concentration Electives Category I | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media OR Digital Culture Studies | 3 | C | • Digital Media courses include digital media projects within a trans-disciplinary area of study. See the course list below or talk to your advisor for specific course options. |
| *Complete 2 courses:*<br>English Concentration Electives Category I | 6 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Build a digital portfolio. |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| *Complete 2 courses:*<br>Upper Division English Concentration Electives Category II | 6 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Explore an internship. |
| ENG 400: History of Literary Criticism (L or HU) OR ENG 401: Topics in Critical Theory OR ENG 472: Rhetorical Studies | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division English Concentration Electives Category III | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |

| | | |
|---|---|---|
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Digital Culture Studies OR Upper Division Media Engineering Course | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division English Concentration Electives Category III | 3 | C | |
| Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division English Concentration Electives Category III | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective | Digital Culture Studies Course List | Media Engineering Course List |
|---|---|---|
| AME OR MDC Lower Division Elective | AME 210: Media Editing | AME 394: Synthesis and Expression |
| | AME 220: Programming for the Web (CS) | AME 410: Interactive Materials |
| | AME 240: Introduction to Physical Computing | AME 430: Mac Development for Media Arts |
| | AME 244: Introduction to Interactive Environments | AME 435: Mobile Development |
| | AME 294: Circuit Bending | AME 470: Programming for Social and Interactive Media |
| | AME 294: Design Politics | AME 494: Animating Virtual Worlds |
| | AME 294: Soundscape Ecology | AME 494: Musical Microcontrollers |
| | AME 294: Special Topics | AME 494: Programming for the Internet of Things |
| | AME 310: Media Literacies and Composition | EEE 307: Signal Processing for Digital Culture |
| | AME 320: Motion Capture for Integrative Systems | GIT 335: Computer Systems Technology |
| | AME 325: Technical Lives | |
| | AME 330: Digital-Physical Systems | |

| |
|---|
| AME 333: Improvising Cyborgs |
| AME 360: Designing Mixed-Reality Experiences |
| AME 394: Computational Photography |
| AME 394: Special Topics |
| AME 410: Interactive Materials |
| AME 411: Advanced Interactive Sound |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| AME 444: Media Installations |
| AME 470: Programming for Social and Interactive Media |
| AME 494: Animating Virtual Worlds |
| AME 494: Special Topics |
| ART 116: Introduction to Digital Media |
| ART 378: Digital Textiles |
| DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture |
| FSH 394: Fashion Design & Wearable Technology |
| MDC 211: Introduction to Digital Sound |
| MDC 311: Composing and Performing for Hybrid Ensembles |
| MDC 411: Advanced Interactive Sound |

| Digital Media Course List |
|---|
| ART 116: Introduction to Digital Media |
| ART 206: Digital Photography I |
| ART 217: Introduction to Computer Animation |
| ART 308: 2D Digital Animation I |
| ART 312: Illustration |
| ART 346: 3D Computer Imaging and Animation (CS) |
| ART 348: Animation Motion Studies |
| ART 394: Digital Photography for Non-Majors |
| ART 424: Stop Motion Animation |
| ART 438: Moving and Interactive Systems in Sculpture |
| ART 440: Experimental Video Art |
| ART 444: Short Subject: Documentary Video |

| English Concentration Electives Category I (select 9 credits) |
|---|
| ENG 205: Introduction to Writing, Rhetorics and Literacies (L) |
| ENG 210: Introduction to Creative Writing |
| ENG 213: Introduction to the Study of Language |
| FMS 200: Film and Media History ((L or HU) & H) |

| English Concentration Electives Category II (select 6 credits) |
|---|
| ENG 312: English in its Social Setting (L or HU or SB) |
| ENG 314: Modern Grammar |
| ENG 403: Semantics |
| ENG 447: Experimental Narrative (HU) |
| FMS 351: Emerging Digital Media |

ART 494: Visual Prototyping

CIS 300: Web Design and Development

CPI 111: Game Development I (CS)

DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture

EDT 440: Creating and Marketing Mobile Apps

FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro

FMP 225: Principles of Visual Effects Compositing

FMP 240: Introduction to Animation for Film

FMP 255: Media Authorship (CS)

FMP 315: Sound Design for Film and Media I

FMS 200: Film and Media History ((L or HU) & H)

FMS 294: Introduction to Videogames

FMS 351: Emerging Digital Media

FMS 365: Video Games and Narrative

GIT 135: Graphic Communications

GIT 211: 3D Media Production

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GIT 314: Multimedia Design, Planning and Storyboards

GIT 402: New Media Internet Technologies

GRA 294: Illustrator

GRA 294: InDesign

GRA 294: Photoshop

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 367: Motion Graphics and Animation

IAP 375: Contemporary Performance: Theories and Practice

IAP 462: Games and Play

| | |
|---|---|
| IAP 480: Art as Praxis: From Conceptualization to Production | |
| MCO 433: Social Media Campaigns, Engagement and Research | |
| MDC 311: Composing and Performing for Hybrid Ensembles | |
| MHL 201: Media Literacy for Musicians (CS) | |
| TWC 411: Principles of Visual Communication (L) | |
| TWC 451: Copyright and Intellectual Property in the Electronic Age | |
| TWC 452: Information in the Digital Age | |
| English Concentration Electives Category III (select 9 credits) | |
| ENG Upper Division Elective | |
| FMS Upper Division Elective | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map
# Media Arts and Sciences (Film), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDGCFBA

**This program's name has changed effective Fall 2023. The previous name was Digital Culture (Film).**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FMP 201: Film: The Creative Process I (HU) | 3 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMP 180: Principles of Production Technology | 3 | C | • Digital Media courses include digital media projects within a trans-disciplinary area of study. See course list below or talk to your advisor for specific course options.<br>• Build your skills. |
| Digital Media OR Digital Culture Studies | 3 | C | |
| Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media OR Digital Culture Studies | 3 | C | |
| FMP 280: Introduction to Film and Media Production | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.<br>• Build a digital portfolio. |
| Upper Division Digital Culture Studies OR Related Digital Culture Course | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| History/Theory Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Explore an internship. |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Film Concentration | 3 | C | |
| Upper Division History/Theory Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | | |
|---|---|---|
| Maintain 3.00 GPA in Digital Culture coursework. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Film Concentration | 3 | C | |
| Upper Division Related Digital Culture Course OR Upper Division Digital Media | 3 | C | |
| Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | |
| Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Film Concentration | 3 | C | |
| Upper Division Media Engineering | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective | Digital Culture Studies Course List | Digital Media Course List |
|---|---|---|
| AME OR MDC Lower Division Elective | AME 210: Media Editing | ART 116: Introduction to Digital Media |
| | AME 220: Programming for the Web (CS) | ART 206: Digital Photography I |
| | AME 240: Introduction to Physical Computing | ART 217: Introduction to Computer Animation |
| | AME 244: Introduction to Interactive Environments | ART 308: 2D Digital Animation I |
| | AME 294: Circuit Bending | ART 312: Illustration |
| | AME 294: Design Politics | ART 346: 3D Computer Imaging and Animation (CS) |
| | AME 294: Soundscape Ecology | ART 348: Animation Motion Studies |
| | AME 294: Special Topics | ART 394: Digital Photography for Non-Majors |
| | AME 310: Media Literacies and Composition | ART 424: Stop Motion Animation |
| | AME 320: Motion Capture for Integrative Systems | ART 438: Moving and Interactive Systems in Sculpture |
| | AME 325: Technical Lives | ART 440: Experimental Video Art |
| | AME 330: Digital-Physical Systems | ART 444: Short Subject: Documentary Video |
| | AME 333: Improvising Cyborgs | |

- AME 360: Designing Mixed-Reality Experiences
- AME 394: Computational Photography
- AME 394: Special Topics
- AME 410: Interactive Materials
- AME 411: Advanced Interactive Sound
- AME 430: Mac Development for Media Arts
- AME 435: Mobile Development
- AME 444: Media Installations
- AME 470: Programming for Social and Interactive Media
- AME 494: Animating Virtual Worlds
- AME 494: Special Topics
- ART 116: Introduction to Digital Media
- ART 378: Digital Textiles
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- FSH 394: Fashion Design & Wearable Technology
- MDC 211: Introduction to Digital Sound
- MDC 311: Composing and Performing for Hybrid Ensembles
- MDC 411: Advanced Interactive Sound
- ART 494: Visual Prototyping
- CIS 300: Web Design and Development
- CPI 111: Game Development I (CS)
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- EDT 440: Creating and Marketing Mobile Apps
- FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro
- FMP 225: Principles of Visual Effects Compositing
- FMP 240: Introduction to Animation for Film
- FMP 255: Media Authorship (CS)
- FMP 315: Sound Design for Film and Media I
- FMS 200: Film and Media History ((L or HU) & H)
- FMS 294: Introduction to Videogames
- FMS 351: Emerging Digital Media
- FMS 365: Video Games and Narrative
- GIT 135: Graphic Communications
- GIT 211: 3D Media Production
- GIT 215: Introduction to Web Authoring
- GIT 230: Digital Illustration in Publishing
- GIT 314: Multimedia Design, Planning and Storyboards
- GIT 402: New Media Internet Technologies
- GRA 294: Illustrator
- GRA 294: InDesign
- GRA 294: Photoshop
- IAP 103: Foundations I: Interdisciplinary Art Practice
- IAP 104: Foundations I: Fundamentals of Sound Art
- IAP 322: Multitrack Digital Recording
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 364: Documentaries
- IAP 367: Motion Graphics and Animation
- IAP 375: Contemporary Performance: Theories and Practice
- IAP 462: Games and Play

IAP 480: Art as Praxis: From Conceptualization to Production

MCO 433: Social Media Campaigns, Engagement and Research

MDC 311: Composing and Performing for Hybrid Ensembles

MHL 201: Media Literacy for Musicians (CS)

TWC 411: Principles of Visual Communication (L)

TWC 451: Copyright and Intellectual Property in the Electronic Age

TWC 452: Information in the Digital Age

| History/Theory Course List |
| --- |
| ALA 100: Introduction to Environmental Design (HU & H & G) |
| ALA 102: Landscapes and Sustainability (HU & G) |
| APH 300: World Architecture I/Western Cultures (HU & H & G) |
| APH 313: History of Architecture I ((L or HU) & G & H) |
| APH 314: History of Architecture II ((L or HU) & G & H) |
| ARA 202: Understanding Photographs |
| ARS 102: Art from Renaissance to Modernism (HU & H) |
| ARS 345: Art and Television |
| ARS 394: Anime |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 439: Art of the 20th Century II (HU & H) |
| DCE 300: Dancing Histories (HU) |
| DSC 101: Design Awareness (HU & G) |
| FMP 294: History of Film & Television Production |
| FMP 403: Independent Film (HU) |
| FMP 405: Film and Television: Pioneers, Practices and Innovations |
| GRA 111: Graphic Design History I (HU) |
| GRA 112: Graphic Design History II |
| IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) |

| Media Engineering Course List |
| --- |
| AME 394: Synthesis and Expression |
| AME 410: Interactive Materials |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| AME 470: Programming for Social and Interactive Media |
| AME 494: Animating Virtual Worlds |
| AME 494: Musical Microcontrollers |
| AME 494: Programming for the Internet of Things |
| EEE 307: Signal Processing for Digital Culture |
| GIT 335: Computer Systems Technology |

| Related Digital Culture Course List |
| --- |
| ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective |

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LAP 311: History of Landscape Architecture (HU & H)

LAP 312: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Special Topics

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

Film Concentration

FMP 300: Film Production: Film & Media Part 1

FMP 315: Sound Design for Film and Media I

FMP 325: Intermediate Visual Effects Compositing

FMP 335: Careers in Film and Media Industry

FMP 345: Cinematography I

FMP 350: Directing for Documentary Media

FMP 370: Producing for Film and Media

FMP 394: Special Topics

FMP 400: Food in Film: Culture, Power & Desire

FMP 403: Independent Film (HU)

FMP 405: Film and Television: Pioneers, Practices and Innovations

FMP 415: Sound Design for Film and Media II

FMP 445: Cinematography II

FMP 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Media Arts and Sciences (Graphic Information Technology), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDGCTEBA

**This program's name has changed effective Fall 2023. The previous name was Digital Culture (Graphic Information Technology).**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIT 230: Digital Illustration in Publishing | 3 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 211: 3D Media Production OR GIT 215: Introduction to Web Authoring | 3 | C | • Students interested in the Animation focus should take GIT 211.<br>• Students interested in the Web focus should take GIT 215.<br>• Build your skills. |
| TMC 110: Understanding the Enterprise | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media OR Digital Culture Studies | 3 | C | • Digital Media courses include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.<br>• Students interested in the Animation focus should take GIT 312.<br>• Students interested in the Web focus should take GIT 337. |
| GIT 312: Computer Animation and Motion Graphics (CS) OR GIT 337: Web Content Design | 3 | C | |
| Technological Entrepreneurship Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Students interested in the Animation focus should take GIT 411.<br>• Students interested in the Web focus should take GIT 414.<br>• Build a digital portfolio. |
| GIT 411: Visual Narrative in Motion Graphics OR GIT 414: Web Site Design and Internet/Web Technologies | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Technological Entrepreneurship Course | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Students interested in the Animation focus should take GIT 314.<br>• Students interested in the Web focus should take GIT 402 or GIT 417.<br>• Explore an internship. |
| GIT 402: New Media Internet Technologies OR GIT 314: Multimedia Design, Planning and Storyboards OR GIT 417: Advanced Web Markup and Scripting | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Digital Media OR Upper Division Digital Culture Studies | 6 | C | |
| Upper Division Technological Entrepreneurship Course | 3 | C | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Digital Culture Studies OR Media Engineering Course | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Technological Entrepreneurship Course | 3 | C | |
| Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | |
| Upper Division Digital Culture Studies OR Upper Division Digital Media OR Media Engineering Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective | Digital Culture Studies Course List | Digital Media Course List |
|---|---|---|
| AME OR MDC Lower Division Elective | AME 210: Media Editing | ART 116: Introduction to Digital Media |
| | AME 220: Programming for the Web (CS) | ART 206: Digital Photography I |
| | AME 240: Introduction to Physical Computing | ART 217: Introduction to Computer Animation |
| | AME 244: Introduction to Interactive Environments | ART 308: 2D Digital Animation I |
| | AME 294: Circuit Bending | ART 312: Illustration |
| | AME 294: Design Politics | ART 346: 3D Computer Imaging and Animation (CS) |
| | AME 294: Soundscape Ecology | ART 348: Animation Motion Studies |
| | AME 294: Special Topics | ART 394: Digital Photography for Non-Majors |
| | AME 310: Media Literacies and Composition | ART 424: Stop Motion Animation |
| | AME 320: Motion Capture for Integrative Systems | |

- AME 325: Technical Lives
- AME 330: Digital-Physical Systems
- AME 333: Improvising Cyborgs
- AME 360: Designing Mixed-Reality Experiences
- AME 394: Computational Photography
- AME 394: Special Topics
- AME 410: Interactive Materials
- AME 411: Advanced Interactive Sound
- AME 430: Mac Development for Media Arts
- AME 435: Mobile Development
- AME 444: Media Installations
- AME 470: Programming for Social and Interactive Media
- AME 494: Animating Virtual Worlds
- AME 494: Special Topics
- ART 116: Introduction to Digital Media
- ART 378: Digital Textiles
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- FSH 394: Fashion Design & Wearable Technology
- MDC 211: Introduction to Digital Sound
- MDC 311: Composing and Performing for Hybrid Ensembles
- MDC 411: Advanced Interactive Sound
- ART 438: Moving and Interactive Systems in Sculpture
- ART 440: Experimental Video Art
- ART 444: Short Subject: Documentary Video
- ART 494: Visual Prototyping
- CIS 300: Web Design and Development
- CPI 111: Game Development I (CS)
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- EDT 440: Creating and Marketing Mobile Apps
- FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro
- FMP 225: Principles of Visual Effects Compositing
- FMP 240: Introduction to Animation for Film
- FMP 255: Media Authorship (CS)
- FMP 315: Sound Design for Film and Media I
- FMS 200: Film and Media History ((L or HU) & H)
- FMS 294: Introduction to Videogames
- FMS 351: Emerging Digital Media
- FMS 365: Video Games and Narrative
- GIT 135: Graphic Communications
- GIT 211: 3D Media Production
- GIT 215: Introduction to Web Authoring
- GIT 230: Digital Illustration in Publishing
- GIT 314: Multimedia Design, Planning and Storyboards
- GIT 402: New Media Internet Technologies
- GRA 294: Illustrator
- GRA 294: InDesign
- GRA 294: Photoshop
- IAP 103: Foundations I: Interdisciplinary Art Practice
- IAP 104: Foundations I: Fundamentals of Sound Art
- IAP 322: Multitrack Digital Recording
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 364: Documentaries

| |
|---|
| IAP 367: Motion Graphics and Animation |
| IAP 375: Contemporary Performance: Theories and Practice |
| IAP 462: Games and Play |
| IAP 480: Art as Praxis: From Conceptualization to Production |
| MCO 433: Social Media Campaigns, Engagement and Research |
| MDC 311: Composing and Performing for Hybrid Ensembles |
| MHL 201: Media Literacy for Musicians (CS) |
| TWC 411: Principles of Visual Communication (L) |
| TWC 451: Copyright and Intellectual Property in the Electronic Age |
| TWC 452: Information in the Digital Age |

| Media Engineering Course List |
|---|
| AME 394: Synthesis and Expression |
| AME 410: Interactive Materials |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| AME 470: Programming for Social and Interactive Media |
| AME 494: Animating Virtual Worlds |
| AME 494: Musical Microcontrollers |
| AME 494: Programming for the Internet of Things |
| EEE 307: Signal Processing for Digital Culture |
| GIT 335: Computer Systems Technology |

| Technological Entrepreneurship Course List |
|---|
| OMT 430: Ethical Issues in Technology |
| OMT 480: Organizational Effectiveness |
| TEM 230: Creativity and Business Innovation |
| TEM 330: Systems Innovation |
| TEM 431: Innovation Management |
| TMC 310: Promotion of the Enterprise |
| TMC 320: Funding the Enterprise |
| TMC 330: Leading the Enterprise |
| TMC 430: Enterprise Strategy and Innovation |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Media Arts and Sciences (Interdisciplinary Arts and Performance), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDCIAPBA

**This program's name has changed effective Fall 2023. The previous name was Digital Culture (Interdisciplinary Arts and Performance).**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU) | 3 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |

Term hours subtotal: 15

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media OR Digital Culture Studies | 3 | C | • Digital Media courses include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.<br>• Build your skills. |
| Interdisciplinary Arts and Performance Concentration | 3 | C | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media OR Digital Culture Studies | 3 | C | |
| *Complete 2 courses:*<br>Interdisciplinary Arts and Performance Concentration | 6 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Build a digital portfolio. |
| IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Interdisciplinary Arts and Performance Concentration | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies | 3 | C | • Explore an internship. |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Interdisciplinary Arts and Performance Concentration | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | | |
|---|---|---|
| Maintain 3.00 GPA in Digital Culture coursework. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Digital Culture Studies OR Media Engineering Course | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Interdisciplinary Arts and Performance Concentration | 3 | C | |
| Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | |
| Upper Division Digital Media OR Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Interdisciplinary Arts and Performance Concentration | 3 | C | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective |
|---|
| AME OR MDC Lower Division Elective |

| Media Engineering Course List |
|---|
| AME 394: Synthesis and Expression |
| AME 410: Interactive Materials |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| AME 470: Programming for Social and Interactive Media |
| AME 494: Animating Virtual Worlds |
| AME 494: Musical Microcontrollers |
| AME 494: Programming for the Internet of Things |
| EEE 307: Signal Processing for Digital Culture |
| GIT 335: Computer Systems Technology |

| Interdisciplinary Arts and Performance Concentration Course List |
|---|
| IAP 102: Foundations I: Performance Techniques and Composition |
| IAP 103: Foundations I: Interdisciplinary Art Practice |
| IAP 104: Foundations I: Fundamentals of Sound Art |
| IAP 105: Foundations I: Fundamentals of Visual Art |
| IAP 307: Art and War (HU & G) |
| IAP 321: Music Composition I |
| IAP 322: Multitrack Digital Recording |
| IAP 324: The Voice and Performance |

- IAP 325: Sound Performance: Exploring Alternative Performance Groups
- IAP 333: Directing for Performance
- IAP 354: Visual Representation
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 363: Sound, Image, and Media
- IAP 365: Digital Interactivity
- IAP 375: Contemporary Performance: Theories and Practice
- IAP 394: Special Topics
- IAP 431: Perspectives on Performance and Acting
- IAP 441: Movement for Performance
- IAP 464: Media and Diversity (HU & G)
- IAP 466: Digital Interactivity, Advanced
- IAP 468: Digital Graphic Applications
- IAP 469: Advanced Audio Production
- IAP 471: Language, Culture, and Performance (L or HU)
- IAP 494: Special Topics

| Digital Media Course List |
| --- |
| ART 116: Introduction to Digital Media |
| ART 206: Digital Photography I |
| ART 217: Introduction to Computer Animation |
| ART 308: 2D Digital Animation I |
| ART 312: Illustration |
| ART 346: 3D Computer Imaging and Animation (CS) |
| ART 348: Animation Motion Studies |
| ART 394: Digital Photography for Non-Majors |
| ART 424: Stop Motion Animation |
| ART 438: Moving and Interactive Systems in Sculpture |
| ART 440: Experimental Video Art |
| ART 444: Short Subject: Documentary Video |
| ART 494: Visual Prototyping |
| CIS 300: Web Design and Development |

| Digital Culture Studies Course List |
| --- |
| AME 210: Media Editing |
| AME 220: Programming for the Web (CS) |
| AME 240: Introduction to Physical Computing |
| AME 244: Introduction to Interactive Environments |
| AME 294: Circuit Bending |
| AME 294: Design Politics |
| AME 294: Soundscape Ecology |
| AME 294: Special Topics |
| AME 310: Media Literacies and Composition |
| AME 320: Motion Capture for Integrative Systems |
| AME 325: Technical Lives |
| AME 330: Digital-Physical Systems |
| AME 333: Improvising Cyborgs |
| AME 360: Designing Mixed-Reality Experiences |
| AME 394: Computational Photography |

- CPI 111: Game Development I (CS)
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- EDT 440: Creating and Marketing Mobile Apps
- FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro
- FMP 225: Principles of Visual Effects Compositing
- FMP 240: Introduction to Animation for Film
- FMP 255: Media Authorship (CS)
- FMP 315: Sound Design for Film and Media I
- FMS 200: Film and Media History ((L or HU) & H)
- FMS 294: Introduction to Videogames
- FMS 351: Emerging Digital Media
- FMS 365: Video Games and Narrative
- GIT 135: Graphic Communications
- GIT 211: 3D Media Production
- GIT 215: Introduction to Web Authoring
- GIT 230: Digital Illustration in Publishing
- GIT 314: Multimedia Design, Planning and Storyboards
- GIT 402: New Media Internet Technologies
- GRA 294: Illustrator
- GRA 294: InDesign
- GRA 294: Photoshop
- IAP 103: Foundations I: Interdisciplinary Art Practice
- IAP 104: Foundations I: Fundamentals of Sound Art
- IAP 322: Multitrack Digital Recording
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 364: Documentaries
- IAP 367: Motion Graphics and Animation
- IAP 375: Contemporary Performance: Theories and Practice
- IAP 462: Games and Play
- IAP 480: Art as Praxis: From Conceptualization to Production
- AME 394: Special Topics
- AME 410: Interactive Materials
- AME 411: Advanced Interactive Sound
- AME 430: Mac Development for Media Arts
- AME 435: Mobile Development
- AME 444: Media Installations
- AME 470: Programming for Social and Interactive Media
- AME 494: Animating Virtual Worlds
- AME 494: Special Topics
- ART 116: Introduction to Digital Media
- ART 378: Digital Textiles
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- FSH 394: Fashion Design & Wearable Technology
- MDC 211: Introduction to Digital Sound
- MDC 311: Composing and Performing for Hybrid Ensembles
- MDC 411: Advanced Interactive Sound

MCO 433: Social Media Campaigns, Engagement and Research

MDC 311: Composing and Performing for Hybrid Ensembles

MHL 201: Media Literacy for Musicians (CS)

TWC 411: Principles of Visual Communication (L)

TWC 451: Copyright and Intellectual Property in the Electronic Age

TWC 452: Information in the Digital Age

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Media Arts and Sciences (Media Processing), BS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDGCMPBS

**This program's name has changed effective Fall 2023. The previous name was Digital Culture (Media Processing).**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Join a student club or professional organization. |
| CSE 110: Principles of Programming (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CPI 111: Game Development I (CS) OR CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Build your skills. |
| MAT 243: Discrete Mathematical Structures | 3 | C | |
| Digital Culture Studies | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Culture Studies | 3 | C | • Look into Study Abroad options. |
| CPI 211: Game Development II OR CSE 240: Introduction to Programming Languages | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Digital Culture Studies | 6 | C | • Keep good documentation of all your projects. |
| CPI 360: Decision Making and Problem Solving OR CSE 310: Data Structures and Algorithms OR CPI 311: Game Engine Development | 3 | C | |
| Media Processing Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Digital Culture Studies OR Upper Division Digital Media | 6 | C | • Build a digital portfolio.<br>• Explore an internship. Any internship approved for AME 484 Internship credit will automatically fulfill AME 486 Capstone II. |
| Upper Division Media Processing Elective | 3 | C | |
| Media Processing Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 3.00 GPA in Major Courses. | | | |

| | | | |
|---|---|---|---|
| Minimum 2.50 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Digital Culture Studies | 3 | C | |
| Upper Division Media Engineering | 3 | C | |
| Upper Division Media Processing Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | • Start applying for full-time career opportunities. |
| Upper Division Digital Culture Studies OR Upper Division Digital Media | 3 | C | |
| Upper Division Media Processing Elective | 3 | C | |
| Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective |
|---|
| AME OR MDC Lower Division Elective |

| Digital Culture Studies Course List |
|---|
| AME 210: Media Editing |
| AME 220: Programming for the Web (CS) |
| AME 240: Introduction to Physical Computing |
| AME 244: Introduction to Interactive Environments |
| AME 294: Circuit Bending |
| AME 294: Design Politics |
| AME 294: Soundscape Ecology |
| AME 294: Special Topics |
| AME 310: Media Literacies and Composition |
| AME 320: Motion Capture for Integrative Systems |
| AME 325: Technical Lives |
| AME 330: Digital-Physical Systems |
| AME 333: Improvising Cyborgs |

| Digital Media Course List |
|---|
| ART 308: 2D Digital Animation I |
| ART 312: Illustration |
| ART 346: 3D Computer Imaging and Animation (CS) |
| ART 348: Animation Motion Studies |
| ART 394: Digital Photography for Non-Majors |
| ART 424: Stop Motion Animation |
| ART 438: Moving and Interactive Systems in Sculpture |
| ART 440: Experimental Video Art |
| ART 444: Short Subject: Documentary Video |
| ART 494: Visual Prototyping |
| CIS 300: Web Design and Development |

AME 360: Designing Mixed-Reality Experiences

AME 394: Computational Photography

AME 394: Special Topics

AME 410: Interactive Materials

AME 411: Advanced Interactive Sound

AME 430: Mac Development for Media Arts

AME 435: Mobile Development

AME 444: Media Installations

AME 470: Programming for Social and Interactive Media

AME 494: Animating Virtual Worlds

AME 494: Special Topics

ART 116: Introduction to Digital Media

ART 378: Digital Textiles

DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture

FSH 394: Fashion Design & Wearable Technology

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MDC 411: Advanced Interactive Sound

EDT 440: Creating and Marketing Mobile Apps

FMP 315: Sound Design for Film and Media I

FMS 351: Emerging Digital Media

FMS 365: Video Games and Narrative

GIT 314: Multimedia Design, Planning and Storyboards

GIT 402: New Media Internet Technologies

IAP 322: Multitrack Digital Recording

IAP 361: Digital Editing and Media Literacy (CS)

IAP 364: Documentaries

IAP 367: Motion Graphics and Animation

IAP 375: Contemporary Performance: Theories and Practice

IAP 462: Games and Play

IAP 480: Art as Praxis: From Conceptualization to Production

MCO 433: Social Media Campaigns, Engagement and Research

MDC 311: Composing and Performing for Hybrid Ensembles

TWC 411: Principles of Visual Communication (L)

TWC 451: Copyright and Intellectual Property in the Electronic Age

TWC 452: Information in the Digital Age

| Media Processing Electives |
| --- |
| CPI 211: Game Development II |
| CPI 221: Advanced Object-Oriented Principles Using Java or CPI 310: Web-Based Information Management Systems |
| CPI 321: Fundamentals of Game Art |
| CPI 394: Special Topics |
| CPI 411: Graphics for Games |
| CPI 421: 3-D Modeling and Texturing |
| CPI 462: Design for Learning in Virtual Worlds |
| CPI 494: Special Topics |

| Media Engineering Course List |
| --- |
| AME 394: Synthesis and Expression |
| AME 410: Interactive Materials |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| AME 470: Programming for Social and Interactive Media |
| AME 494: Animating Virtual Worlds |
| AME 494: Musical Microcontrollers |
| AME 494: Programming for the Internet of Things |
| EEE 307: Signal Processing for Digital Culture |

CSE 205: Object-Oriented Programming and Data Structures (CS)

CSE 220: Programming for Computer Engineering

CSE 240: Introduction to Programming Languages

CSE 360: Introduction to Software Engineering

CSE 394: Special Topics

CSE 463: Introduction to Human Computer Interaction

CSE 470: Computer Graphics

CSE 494: Special Topics

IAP 362: Games and Narratology

IAP 462: Games and Play

IEE 431: Engineering Administration (L)

SER 431: Advanced Graphics

GIT 335: Computer Systems Technology

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Media Arts and Sciences (Music), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDGCMBA

**This program's name has changed effective Fall 2023. the previous name was Digital Culture (Music).**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• MTC 125 is only offered in the fall term and requires a placement diagnostic exam. Please see the your advisor to prepare this term to be able to take this course in the fall semester.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MUS 100: Fundamentals of Music Notation OR MTC 125: Basic Music Theory | 3 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |

Term hours subtotal: 15

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media Course OR Digital Culture Studies Course | 3 | C | • Digital Media courses include digital media projects within a trans-disciplinary area of study. See the course list below or talk to your advisor for specific course options.<br>• Build your skills. |
| Music Production Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media Course OR Digital Culture Studies Course | 3 | C | |
| History/Theory Course | 3 | C | |
| MUS OR MUP OR MUE OR MTC Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies Course | 3 | C | • Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.<br>• Build a digital portfolio. |
| Upper Division Digital Culture Studies Course OR Related Digital Culture Course | 3 | C | |
| Upper Division Digital Media Course OR Upper Division Digital Culture Studies Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies Course | 3 | C | • If you take MTC 436, MTC 437, or MUP 319 (2 credits each) in this term, you will need to complete one additional hour (or 4 hours total) of MUS OR MUP OR MUE OR MTC Upper Division Elective in Term 8.<br>• Explore an internship. |
| MTC 436: Electronic Studio Techniques I OR MTC 437: Electronic Studio Techniques II OR MUE 441: Psychology of Music OR MUP 319: Advanced Audio Engineering in the Arts | 2-3 | C | |
| Upper Division Digital Media Course OR Upper Division Digital Culture Studies Course | 3 | C | |
| Upper Division History/Theory Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |

| | | | |
|---|---|---|---|
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| | Maintain 3.00 GPA in Digital Culture coursework. | | |
| | Minimum 2.50 GPA ASU Cumulative. | | |
| | | Term hours subtotal: | 14-15 |

| Term 7 92 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Any MUS 354 topic can be used to fulfill the concentration requirement.<br>• Gather professional references. |
| MUS 354: Popular Music OR MUS 362: Rap Music and Hip Hop Culture (HU & C) | 3 | C | |
| Upper Division Digital Culture Studies Course | 3 | C | |
| Upper Division Related Digital Culture Course | 3 | C | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | • If you took MTC 436, MTC 437, or MUP 319 in Term 6, you will need to complete one additional hour (or 4 hours total) of MUS OR MUP OR MUE OR MTC Upper Division Elective in this term. |
| Upper Division Digital Culture Studies Course | 3 | C | |
| Upper Division Media Engineering Course | 3 | C | |
| MUS OR MUP OR MUE OR MTC Upper Division Elective | 4-3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 13-12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective | Digital Culture Studies Course List | Digital Media Course List |
|---|---|---|
| AME OR MDC Lower Division Elective | AME 210: Media Editing | ART 116: Introduction to Digital Media |
| | AME 220: Programming for the Web (CS) | ART 206: Digital Photography I |
| | AME 240: Introduction to Physical Computing | ART 217: Introduction to Computer Animation |
| | AME 244: Introduction to Interactive Environments | ART 308: 2D Digital Animation |
| | AME 294: Circuit Bending | ART 312: Illustration |
| | AME 294: Design Politics | ART 346: 3-D Computer Imaging and Animation (CS) |
| | AME 294: Soundscape Ecology | ART 348: Animation Motion Studies |
| | AME 294: Special Topics | ART 394: Digital Photography for Non-Majors |
| | AME 310: Media Literacies and Composition | ART 424: Stop Motion Animation |
| | AME 320: Motion Capture for Integrative Systems | ART 438: Moving and Interactive Systems in Sculpture |
| | AME 325: Technical Lives | ART 440: Experimental Video Art |

- AME 330: Digital-Physical Systems
- AME 333: Improvising Cyborgs
- AME 360: Designing Mixed-Reality Experiences
- AME 394: Computational Photography
- AME 394: Special Topics
- AME 410: Interactive Materials
- AME 411: Advanced Interactive Sound
- AME 430: Mac Development for Media Arts
- AME 435: Mobile Development
- AME 444: Media Installations
- AME 470: Programming for Social and Interactive Media
- AME 494: Animating Virtual Worlds
- AME 494: Special Topics
- ART 116: Introduction to Digital Media
- ART 378: Digital Textiles
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- FSH 394: Fashion Design & Wearable Technology
- MDC 211: Introduction to Digital Sound
- MDC 311: Composing and Performing for Hybrid Ensembles
- MDC 411: Advanced Interactive Sound
- ART 444: Short Subject: Documentary Video
- ART 494: Visual Prototyping
- CIS 300: Web Design and Development
- CPI 111: Game Development I (CS)
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- EDT 440: Creating and Marketing Mobile Apps
- FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro
- FMP 225: Principles of Visual Effects Compositing
- FMP 240: Introduction to Animation for Film
- FMP 255: Media Authorship (CS)
- FMP 315: Sound Design for Film and Media I
- FMS 200: Film and Media History ((L or HU) & H)
- FMS 294: Introduction to Videogames
- FMS 351: Emerging Digital Media
- FMS 365: Video Games and Narrative
- GIT 135: Graphic Communications
- GIT 211: 3D Media Production
- GIT 215: Introduction to Web Authoring
- GIT 230: Digital Illustration in Publishing
- GIT 314: Multimedia Design, Planning and Storyboards
- GIT 402: New Media Internet Technologies
- GRA 294: Illustrator
- GRA 294: InDesign
- GRA 294: Photoshop
- IAP 103: Foundations I: Interdisciplinary Art Practice
- IAP 104: Foundations I: Fundamentals of Sound Art
- IAP 322: Multitrack Digital Recording
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 364: Documentaries
- IAP 367: Motion Graphics and Animation
- IAP 375: Contemporary Performance: Theories and Practice

| |
|---|
| IAP 462: Games and Play |
| IAP 480: Art as Praxis: From Conceptualization to Production |
| MCO 433: Social Media Campaigns, Engagement and Research |
| MDC 311: Composing and Performing for Hybrid Ensembles |
| MHL 201: Media Literacy for Musicians (CS) |
| TWC 411: Principles of Visual Communication (L) |
| TWC 451: Copyright and Intellectual Property in the Electronic Age |
| TWC 452: Information in the Digital Age |

| History/Theory Course List |
|---|
| ALA 100: Introduction to Environmental Design (HU & H & G) |
| ALA 102: Landscapes and Sustainability (HU & G) |
| APH 300: World Architecture I/Western Cultures (HU & H & G) |
| APH 313: History of Architecture I ((L or HU) & G & H) |
| APH 314: History of Architecture II ((L or HU) & G & H) |
| ARA 202: Understanding Photographs |
| ARS 102: Art from Renaissance to Modernism (HU & H) |
| ARS 345: Art and Television |
| ARS 394: Anime |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 439: Art of the 20th Century II (HU & H) |
| DCE 300: Dancing Histories (HU) |
| DSC 101: Design Awareness (HU & G) |
| FMP 294: History of Film & Television Production |
| FMP 403: Independent Film (HU) |
| FMP 405: Film and Television: Pioneers, Practices and Innovations |
| GRA 111: Graphic Design History I (HU) |
| GRA 112: Graphic Design History II |

| Media Engineering Course List |
|---|
| AME 394: Synthesis and Expression |
| AME 410: Interactive Materials |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| AME 470: Programming for Social and Interactive Media |
| AME 494: Animating Virtual Worlds |
| AME 494: Musical Microcontrollers |
| AME 494: Programming for the Internet of Things |
| EEE 307: Signal Processing for Digital Culture |
| GIT 335: Computer Systems Technology |

| Related Digital Culture Course List |
|---|
| ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective |

IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LAP 311: History of Landscape Architecture (HU & H)

LAP 312: 20th-Century Landscape Architecture (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Special Topics

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

STS 303: History of Science and Technology (H)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

Music Production Elective Course List

MUS 294: Producing Hip Hop and Dance Music I

MUS 294: Rock Band

MUS 294: Song Production with Garage Band

MUS 294: Songwriting

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Media Arts and Sciences (Theatre), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIDGCTBA

**This program's name has changed effective Fall 2023. The previous name was Digital Culture (Theatre).**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 111: Introduction to Digital Culture (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. Digital Culture students complete AME 101 to fulfill this requirement.<br>• Only students with posted credit for ENG 101 may enroll in AME 130 in Term 1. |
| AME 101: ASU Digital Culture Experience | 1 | C | |
| *Complete 2 courses:*<br>AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 6 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 230: Programming for the Media Arts (CS) | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.00, the student will be placed on a probationary status for one term. If the student is not successful in raising their Digital Culture GPA to a 3.00 after the probationary term, the student will not be able to continue in the Digital Culture program.<br>• Students interested in costuming should take THP 214. All others should take THP 213.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming | 4 | C | |
| Digital Culture Flexible Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: GPA First-Year Review | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |

Term hours subtotal: 16

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 215: Design and Composition for Theatre and Film (HU) | 3 | C | • Digital Media courses are classes that include digital media projects within a trans-disciplinary area of study. See course list or talk to your advisor for specific course options.<br>• Build your skills. |
| Digital Media Course OR Digital Culture Studies Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) ( PHY 101 recommended) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |

Term hours subtotal: 16

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Digital Media Course OR Digital Culture Studies Course | 3 | C | |
| History/Theory Course | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |

Term hours subtotal: 15

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies Course | 3 | C | • Related Digital Culture courses are selective electives that allow students to take courses in an area of interest that connects to their study of Digital Culture and personal career interests.<br>• Build a digital portfolio. |
| Upper Division Digital Culture Studies Course OR Related Digital Culture Course | 3 | C | |
| Upper Division Digital Media Course OR Upper Division Digital Culture Studies Course | 3 | C | |
| Upper Division Theatre Design Course I | 3 | C | |
| Elective OR AME 484: Internship | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |

Term hours subtotal: 15

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Digital Culture Studies Course | 3 | C | • Students may take THP 301 with department consent; however, it will need to be taken three times to fulfill a Theatre Design Course II requirement.<br>• Explore an internship. |
| Upper Division Digital Media Course OR Upper Division Digital Culture Studies Course | 3 | C | |
| Upper Division History/Theory Course | 3 | C | |
| Upper Division Theatre Design Course II | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | | |
|---|---|---|
| Maintain 3.00 GPA in Digital Culture coursework. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 485: Digital Culture Capstone I | 3 | C | • All Digital Culture majors must have a minimum 3.00 Digital Culture GPA to meet graduation requirements. If you are not meeting this GPA requirement, please see your advisor.<br>• Gather professional references. |
| Upper Division Digital Culture Studies Course | 3 | C | |
| Upper Division Related Digital Culture Course OR Upper Division Digital Media Course | 3 | C | |
| Upper Division Theatre Design Course I | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AME 486: Digital Culture Capstone II | 3 | C | • Students may take THP 301 with department consent; however, it will need to be taken three times to fulfill a Theatre Design Course II requirement. |
| Upper Division Digital Culture Studies Course | 3 | C | |
| Upper Division Media Engineering Course | 3 | C | |
| Upper Division Theatre Design Course II | 3 | C | |
| Maintain 3.00 GPA in Digital Culture coursework. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Digital Culture Flexible Elective |
|---|
| AME OR MDC Lower Division Elective |

| Media Engineering Course List |
|---|
| AME 394: Synthesis and Expression |
| AME 410: Interactive Materials |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| AME 470: Programming for Social and Interactive Media |
| AME 494: Animating Virtual Worlds |
| AME 494: Musical Microcontrollers |
| AME 494: Programming for the Internet of Things |
| EEE 307: Signal Processing for Digital Culture |
| GIT 335: Computer Systems Technology |

| Related Digital Culture Course List |
|---|
| ALA OR AME OR ART OR CPI OR CSE OR EDS OR ENG OR ENT OR FIS OR FMP OR FMS OR FSH OR GIT OR GRA OR HDA OR HSE OR IAP OR IND OR INT OR MCO OR MDC OR MTC OR MUP OR MUS OR STS OR TEM OR THE OR THF OR THP OR TWC Elective |

| Digital Media Course List |
|---|

| Upper Division Theatre Design I Course List |
|---|

- ART 116: Introduction to Digital Media
- ART 206: Digital Photography I
- ART 217: Introduction to Computer Animation
- ART 308: 2D Digital Animation
- ART 312: Illustration
- ART 346: 3-D Computer Imaging and Animation (CS)
- ART 348: Animation Motion Studies
- ART 394: Digital Photography for Non-Majors
- ART 424: Stop Motion Animation
- ART 438: Moving and Interactive Systems in Sculpture
- ART 440: Experimental Video Art
- ART 444: Short Subject: Documentary Video
- ART 494: Visual Prototyping
- CIS 300: Web Design and Development
- CPI 111: Game Development I (CS)
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- EDT 440: Creating and Marketing Mobile Apps
- FMP 215: Beginning Post-Production for Film & Television: Adobe Premier Pro
- FMP 225: Principles of Visual Effects Compositing
- FMP 240: Introduction to Animation for Film
- FMP 255: Media Authorship (CS)
- FMP 315: Sound Design for Film and Media I
- FMS 200: Film and Media History ((L or HU) & H)
- FMS 294: Introduction to Videogames
- FMS 351: Emerging Digital Media
- FMS 365: Video Games and Narrative
- GIT 135: Graphic Communications
- GIT 211: 3D Media Production
- GIT 215: Introduction to Web Authoring
- GIT 230: Digital Illustration in Publishing
- GIT 314: Multimedia Design, Planning and Storyboards
- GIT 402: New Media Internet Technologies
- THP 330: Costume Design
- THP 340: Scene Design
- THP 345: Lighting Design
- THP 350: Sound Design
- THP 355: Media Design for Performance
- THP 435: Technical Direction
- THP 450: Theatre Organization and Management
- THP 494: Art Direction

Upper Division Theatre Design II Course List

- THP 301: Theatre Production
- THP 335: Stagecraft
- THP 431: Advanced Costume Construction
- THP 442: Rendering for Design and Production
- THP 344: Hand Drafting for the Live Entertainment
- THP 448: AutoCAD for Live Entertainment
- THP 494: Materials for the Stage
- THP 494: Structural and Mechanical Design for the Stage

- GRA 294: Illustrator
- GRA 294: InDesign
- GRA 294: Photoshop
- IAP 103: Foundations I: Interdisciplinary Art Practice
- IAP 104: Foundations I: Fundamentals of Sound Art
- IAP 322: Multitrack Digital Recording
- IAP 361: Digital Editing and Media Literacy (CS)
- IAP 364: Documentaries
- IAP 367: Motion Graphics and Animation
- IAP 375: Contemporary Performance: Theories and Practice
- IAP 462: Games and Play
- IAP 480: Art as Praxis: From Conceptualization to Production
- MCO 433: Social Media Campaigns, Engagement and Research
- MDC 311: Composing and Performing for Hybrid Ensembles
- MHL 201: Media Literacy for Musicians (CS)
- TWC 411: Principles of Visual Communication (L)
- TWC 451: Copyright and Intellectual Property in the Electronic Age
- TWC 452: Information in the Digital Age

Digital Culture Studies Course List

- AME 210: Media Editing
- AME 220: Programming for the Web (CS)
- AME 240: Introduction to Physical Computing
- AME 244: Introduction to Interactive Environments
- AME 294: Circuit Bending
- AME 294: Design Politics
- AME 294: Soundscape Ecology
- AME 294: Special Topics
- AME 310: Media Literacies and Composition
- AME 320: Motion Capture for Integrative Systems
- AME 325: Technical Lives

History/Theory Course List

- ALA 100: Introduction to Environmental Design (HU & H & G)
- ALA 102: Landscapes and Sustainability (HU & G)
- APH 300: World Architecture I/Western Cultures (HU & H & G)
- APH 313: History of Architecture I ((L or HU) & G & H)
- APH 314: History of Architecture II ((L or HU) & G & H)
- ARA 202: Understanding Photographs
- ARS 102: Art from Renaissance to Modernism (HU & H)
- ARS 345: Art and Television

- AME 330: Digital-Physical Systems
- AME 333: Improvising Cyborgs
- AME 360: Designing Mixed-Reality Experiences
- AME 394: Computational Photography
- AME 394: Special Topics
- AME 410: Interactive Materials
- AME 411: Advanced Interactive Sound
- AME 430: Mac Development for Media Arts
- AME 435: Mobile Development
- AME 444: Media Installations
- AME 470: Programming for Social and Interactive Media
- AME 494: Animating Virtual Worlds
- AME 494: Special Topics
- ART 116: Introduction to Digital Media
- ART 378: Digital Textiles
- DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture
- FSH 394: Fashion Design & Wearable Technology
- MDC 211: Introduction to Digital Sound
- MDC 311: Composing and Performing for Hybrid Ensembles
- MDC 411: Advanced Interactive Sound
- ARS 394: Anime
- ARS 438: Art of the 20th Century I (HU & H)
- ARS 439: Art of the 20th Century II (HU & H)
- DCE 300: Dancing Histories (HU)
- DSC 101: Design Awareness (HU & G)
- FMP 294: History of Film & Television Production
- FMP 403: Independent Film (HU)
- FMP 405: Film and Television: Pioneers, Practices and Innovations
- GRA 111: Graphic Design History I (HU)
- GRA 112: Graphic Design History II
- IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)
- IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)
- IND 316: 20th-Century Design I (HU & H)
- IND 317: 20th-Century Design II (HU & H)
- INT 111: Interior Design Issues and Theories (HU)
- INT 310: History of Interior Design I (HU & H)
- INT 311: History of Interior Design II (HU & H)
- LAP 311: History of Landscape Architecture (HU & H)
- LAP 312: 20th-Century Landscape Architecture (HU)
- MUS 347: Jazz in America (HU & C)
- MUS 354: Special Topics
- MUS 356: Broadway and the American Musical (HU)
- MUS 362: Rap Music and Hip Hop Culture (HU & C)
- STS 303: History of Science and Technology (H)
- THE 320: History of the Theatre I (HU & H)
- THE 322: Theatre History and Culture (HU & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Music, BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSBA

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101 The ASU School of Music Experience is required of all first-year music majors.<br>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.<br>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• See course list for MUP 4** (400-Level) Music Ensemble options.<br>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 111: Studio Instruction | 2 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 111: Studio Instruction | 2 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• See course list for MUP 4** (400-Level) Music Ensemble options.<br>• Courses offered in spring semester only: MTC 221, MUP 132.<br>• Familiarize yourself with information about musicians' health. |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| MUP 132: Class Piano | 1 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 33 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MUP 111: Studio Instruction | 2 | C |
| 4** (400-Level) MUP Music Ensemble | 1 | C |
| MTC 222: Music Theory: 19th Century | 3 | C |
| MUP 231: Class Piano | 1 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course through the intermediate level (202 or equivalent). | 4 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Complete MUP 131 by end of term 3. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 15 | |

- ASU Language Placement: Only true beginners are eligible for 101 level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Second Language: Consult with advisor for approved list. It is recommended for Second Language 101 and 102 to be completed by the end of Term 4.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list for MUP 4** (400-Level) Music Ensemble options.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

| **Term 4** 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 111: Studio Instruction | 2 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| MUP 232: Class Piano | 1 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course through the intermediate level (202 or equivalent). | 4 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete MUP 132 by end of term 4. | | | |
| Complete Second Language 101 and 102 by end of term 4. | | | |
| Term hours subtotal: | 15 | | |

- ASU Language Placement: Only true beginners are eligible for 101 level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list for MUP 4** (400-Level) Music Ensemble options.
- Courses offered in spring semester only: MTC 223, MUP 232.
- Select a faculty mentor to guide your degree work.

| **Term 5** 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MTC 320: Modal Counterpoint OR MTC 321: Tonal Counterpoint | 2 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course through the intermediate level (202 or equivalent). | 4 | | |
| Complete MUP 231 by end of term 5. | | | |
| Term hours subtotal: | 15 | | |

- MTC 320 offered in odd numbered fall semesters only.

| **Term 6** 78 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C |
| ★ | Second Language: Requirement satisfied through the following:<br>* Completion of a language course through the intermediate level (202 or equivalent). | 4 | |
| | MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 3 | C |
| | Upper Division Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship | 3 | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| ★ | Complete MTC 320 OR MTC 321 by end of term 6. | | |
| ★ | Complete MUP 232 by end of term 6. | | |
| | Complete Second Language 201 and 202 by end of term 6. | | |
| | Term hours subtotal: | 13 | |

- MTC 321 offered in even numbered spring semesters only.
- Gather a list of professional references.

| **Term 7** 91 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:*<br>MHL OR MTC Upper Division Elective | 6 | C | |
| MHL course (L) Upper Division ( MHL 440 recommended) | 3 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 3 | C | |
| Elective | 2 | | |
| Term hours subtotal: | 14 | | |

| **Term 8** 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:*<br>MHL OR MTC Upper Division Elective | 6 | C | • Complete a capstone project. |
| MHL Upper Division Elective | 3 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| 4** (400-Level) MUP Music Ensembles Courses | Upper Division MHL (HU) Through Present Time Courses | Upper Division MHL (HU) Courses |
|---|---|---|
| MUP 442: Instrumental Ensembles | MHL 342: Music History II (HU) | MHL 341: Music History I (HU) |
| MUP 443: Choral Ensembles | MHL 344: Music in World Cultures (HU & G) | MHL 342: Music History II (HU) |
| MUP 444: Maroon and Gold Concert Band | MHL 365: Popular Music and Race ((L or HU) & C) | MHL 344: Music in World Cultures (HU & G) |
| MUP 450: Choral Union | MHL 394: Music in the Middle East | MHL 365: Popular Music and Race ((L or HU) & C) |
| MUP 455: Arizona Statesmen | MHL 440: Topics in 20th-Century Music (L or HU) | MHL 394: Music in the Middle East |
| MUP 457: Sol Singers | | |

| | | |
|---|---|---|
| MUP 458: ASU Gospel Choir | MHL 441: Concerts in the 20th Century (HU) | MHL 440: Topics in 20th-Century Music (L or HU) |
| MUP 479: Chamber Music Ensembles | MHL 445: Music of the Silk Road (HU & G) | MHL 441: Concerts in the 20th Century (HU) |
| MUP 485: Percussion Ensemble | MHL 447: Music and Healing (HU & H & G) | MHL 445: Music of the Silk Road (HU & G) |
| MUP 486: Jazz Band | MHL 494: Music and Film | MHL 447: Music and Healing (HU & H & G) |
| MUP 489: Ethnomusicology Ensembles | MHL 494: Recycled Music: Medieval to Modern | MHL 494: Music and Film |
| | | MHL 494: Recycled Music: Medieval to Modern |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Music (Music and Culture), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIMUSMCBA

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101 The ASU School of Music Experience is required of all first-year music majors.<br>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.<br>• See MHL faculty for approval of MUP/music elective courses.<br>• See course list for MUP 4** Music Ensemble course options.<br>• Courses offered in fall semester only: MTC 125, MUP 131, MUP 101.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MUP 111: Studio Instruction OR MUP Elective | 2 | C | |
| MUP 131: Class Piano | 1 | C | |
| 4** MUP Music Ensemble | 1 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTC 221: Music Theory: 18th Century | 3 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• MHL 499: Individualized study is done by arrangement with a musicology faculty member.<br>• See MHL faculty for approval of MUP/music elective courses.<br>• Courses offered in spring semester only: MTC 221, MUP 132.<br>• Familiarize yourself with information about musicians' health. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 499: Individualized Instruction | 1 | C | |
| MUP 111: Studio Instruction OR MUP Elective | 2 | C | |
| MUP 132: Class Piano | 1 | C | |
| 4** MUP Music Ensemble | 1 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Elective | 2 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 33 - 49 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| MHL 499: Individualized Instruction | 1 | C | |
| MTC 222: Music Theory: 19th Century | 3 | C | |
| MUP 111: Studio Instruction OR MUP Elective | 2 | C | |
| MUP Elective ( MUP 231 recommended) | 1 | C | |
| 4** MUP Music Ensemble | 1 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course through the intermediate level (202 or equivalent). | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete MUP 131 by end of term 3. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 16 | | |

- Second Language: Consult with advisor for approved list. It is recommended for Second Language 101 and 102 to be completed by the end of Term 4.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- MHL 499: Individualized study done by arrangement with a musicology faculty member.
- See MHL faculty for approval of MUP/music elective courses.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

| **Term 4** 49 - 65 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MHL 499: Individualized Instruction | 1 | C | |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| MUP 111: Studio Instruction OR MUP Elective | 2 | C | |
| MUP Elective ( MUP 232 recommended) | 1 | C | |
| 4** MUP Music Ensemble | 1 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course through the intermediate level (202 or equivalent). | 4 | | |
| Complete MUP 132 by end of term 4. | | | |
| Complete Second Language 101 and 102 by end of term 4. | | | |
| Milestone: Rising Junior Milestone Interview | | | |
| Term hours subtotal: | 16 | | |

- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- MHL 499: Individualized study done by arrangement with a musicology faculty member.
- See MHL faculty for approval of MUP/music elective courses.
- Courses offered in spring semester only: MTC 223, MUP 232.
- Select a faculty mentor to guide your degree work.

| **Term 5** 65 - 82 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MHL 339: Undergraduate Bibliography I | 1 | C | |
| MHL 499: Individualized Instruction | 1 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course through the intermediate level (202 or equivalent). | 4 | | |
| Upper Division Elective OR MTC Upper Division Elective | 2 | | |
| Complete Second Language 201 and 202 by end of term 6. | | | |
| Term hours subtotal: | 17 | | |

- MHL 339: Individualized bibliography study with instructor of Upper Division MHL Course. MHL 499: Individualized study by arrangement with a musicology faculty member.
- Two upper division MHL electives are required: one Music Through Present Time course and another MHL course from the lists below, or other MHL courses approved by the musicology faculty.

| Term 6 82 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | • MHL 340: Individualized bibliography study with instructor of Upper Division MHL Course. MHL 499: Individualized study by arrangement with a musicology faculty member.<br>• Two upper division MHL electives are required: one Music Through Present Time course and another MHL course from the lists below, or other MHL courses approved by the musicology faculty.<br>• Gather a list of professional references. |
| ★ Second Language: Requirement satisfied through the following:<br>* Completion of a language course through the intermediate level (202 or equivalent). | 4 | | |
| MHL 340: Undergraduate Bibliography II | 1 | C | |
| MHL 499: Individualized Instruction | 1 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Upper Division Elective OR MTC Upper Division Elective | 2 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 96 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MHL 490: Capstone Project I: Undergraduate Thesis Research OR MHL 492: Honors Directed Study | 3 | C | • MHL 490 or 492: Culminating original research project conducted with supervision of musicology faculty. |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR MHL 484: Internship OR MDC 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship | 3 | | |
| Term hours subtotal: | 12 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MHL 491: Capstone Project II: Undergraduate Thesis OR MHL 493: Honors Thesis (L) | 3 | C | • MHL 491 or 493: Culminating original research project conducted with supervision of musicology faculty.<br>• Complete capstone project.<br>• Apply for full-time career opportunities. |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| MUP Music Ensembles Course List |
|---|
| MUP 442: Instrumental Ensembles |
| MUP 443: Choral Ensembles |
| MUP 444: Maroon and Gold Concert Band |
| MUP 450: Choral Union |
| MUP 455: Arizona Statesmen |
| MUP 457: Sol Singers |
| MUP 458: ASU Gospel Choir |

| Upper Division MHL (HU) Through Present Time Courses |
|---|
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |

| Upper Division MHL (HU) Courses |
|---|
| MHL 341: Music History I (HU) |
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |

| | | |
|---|---|---|
| MUP 479: Chamber Music Ensembles | MHL 440: Topics in 20th-Century Music (L or HU) | MHL 440: Topics in 20th-Century Music (L or HU) |
| MUP 485: Percussion Ensemble | MHL 441: Concerts in the 20th Century (HU) | MHL 441: Concerts in the 20th Century (HU) |
| MUP 486: Jazz Band | MHL 445: Music of the Silk Road (HU & G) | MHL 445: Music of the Silk Road (HU & G) |
| MUP 489: Ethnomusicology Ensembles | MHL 447: Music and Healing (HU & H & G) | MHL 447: Music and Healing (HU & H & G) |
| | MHL 494: Music and Film | MHL 494: Music and Film |
| | MHL 494: Recycled Music: Medieval to Modern | MHL 494: Recycled Music: Medieval to Modern |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Music (Popular Music) - Non-performance, BA

School/College: Herberger Institute for Design and the Arts
Location:
HIMUSPMBA

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MSC 115: Music Production Fundamentals | 2 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101 The ASU School of Music Experience is required of all first-year music majors.<br>• MSC 115 test out is available.<br>• Courses offered in fall semesters only: MTC 125, MUP 101.<br>• Complete a resume in MUP 101. |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MSC 221: Popular Music Lab | 1 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| MSC 443: Popular Music Forum | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MSC 443: Popular Music Forum | 1 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• MUP 441 is open to students in the non-performance track by audition.<br>• Courses offered in spring semesters only: MTC 221.<br>• Familiarize yourself with information about musician's health. |
| Popular Music Foundations | 2 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MSC 221: Popular Music Lab OR MUP 441: Popular Music Ensemble | 1 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 or ENG 105 or ENG 107 course(s) | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MSC 443: Popular Music Forum | 1 | C |
| *Complete 2 courses:*<br>Popular Music Foundations | 4 | C |
| MSC 221: Popular Music Lab | 1 | C |
| MSC 441: Live Sound and Stage Technology I | 1 | C |
| MTC 222: Music Theory: 19th Century OR MTC 224: Arranging for Popular Musicians | 3 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete MUP 131 course(s). | | |
| Complete Mathematics (MA) requirement | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 17 | |

- Students can choose between MTC 224: Arranging for Popular Musicians (Downtown campus) or MTC 222: Music Theory: 19th Century (Tempe campus).
- Complete Popular Music Specialization sheet with a faculty mentor or advisor to guide your degree work. Review specialization prerequisites to ensure you've fulfilled or are in progress of fulfilling them. If fulfilled by this point, begin taking Popular Music Specialization coursework.
- Courses offered in fall semesters only: MTC 222, MTC 224.
- Participate in at least two ensemble performances.

| **Term 4** 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MSC 443: Popular Music Forum | 1 | C | |
| Popular Music Foundations OR MSC Elective | 2 | C | |
| MSC 221: Popular Music Lab OR MUP 441: Popular Music Ensemble | 1 | C | |
| MTC 223: Music Theory: 20th Century OR MTC 225: Popular Music Theory | 3 | C | |
| MSC Elective | 2 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Milestone: Rising Junior Milestone Interview | | | |
| Term hours subtotal: | 15 | | |

- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- Complete Popular Music Specialization sheet with a faculty mentor or advisor to guide your degree work. Review specialization prerequisites to ensure you've fulfilled or are in progress of fulfilling them. If fulfilled by this point, begin taking Popular Music Specialization coursework.
- Students can choose between MTC 225: Popular Music Theory (Downtown campus) or MTC 223: Music Theory: 20th Century (Tempe campus).
- MUP 441 is open to students in the non-performance track by audition.
- Courses offered in spring semesters only: MTC 223, MTC 225.
- Select a faculty mentor to guide your degree work.

| **Term 5** 63 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MSC 443: Popular Music Forum | 1 | C | |
| MSC 451: Popular Music Industry Studies I | 2 | C | |
| *Complete 2 courses:*<br>Upper Division Popular Music Specializations | 6 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

- In terms 5-8, in consultation with faculty, students should enroll in a minimum of 18 credits of Popular Music Specialization courses.

| **Term 6** 79 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MSC 443: Popular Music Forum | 1 | C | |
| MSC 452: Popular Music Industry Studies II | 2 | C | |

| | | | |
|---|---|---|---|
| | *Complete 2 courses:*<br>Upper Division Popular Music Specializations | 6 | C |
| | Humanities, Arts and Design (HU) | 3 | |
| | Elective | 3 | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s) | 0 | |
| ★ | Milestone: Rising Senior Milestone Interview | | |
| | Term hours subtotal: | 15 | |

| **Term 7 94 - 107 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MSC 489: Popular Music Capstone Project | 3 | C | • Students must take two upper division MHL courses. Students must choose one course from the "Music History: 1900-Present" track group and one 3xx or 4xx level MHL course. These can be taken at anytime in terms 5-8.<br>• Gather a list of professional references. |
| ★ Upper Division Music History: 1900-Present AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MSC 444: Popular Music Senior Forum | 1 | C | |
| Upper Division Popular Music Specializations | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 13 | | |

| **Term 8 107 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MSC 489: Popular Music Capstone Project | 3 | C | • Students must take two upper division MHL courses. Students must choose one course from the "Music History: 1900-Present" track group and one 3xx or 4xx level MHL course. These can be taken at anytime in terms 5-8.<br>• Complete capstone project. |
| ★ MHL Upper Division Elective | 3 | C | |
| MSC 444: Popular Music Senior Forum | 1 | C | |
| Upper Division Popular Music Specializations | 3 | C | |
| Elective OR MSC 484: Internship | 3 | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

| Popular Music Foundations |
|---|
| MSC 211: Songwriting Fundamentals |
| MSC 212: Intermediate Music Production |
| MSC 213: Sound Design Fundamentals |
| MSC 314: Critical Listening |

| Popular Music Specializations |
|---|
| MSC 470: Sound Designer/Producer |
| MSC 471: Contemporary Composer/Producer Specialization |
| MSC 472: Songwriter/Producer Specialization |
| MSC 473: Engineer/Producer Specialization |
| MSC 474: Contracts and Negotiations |
| MSC 474: Creative Audio Editing |
| MSC 474: Music and Advocacy |
| MSC 474: Music Branding and Marketing |
| MSC 474: Writing for Film and Television |
| MSC 475: DIY Creative Careers |
| MSC 477: Live Experience Design Specialization |

| Music History: 1900-Present |
|---|
| MHL 342: Music History II (HU) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 494: American Aesthetics after 1960 |
| MHL 494: Jazz Musicians as Composers |
| MHL 494: Music and Film |
| MHL 494: Opera and Music Theater Since 1950 |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Music (Popular Music) - Performance, BA

School/College: Herberger Institute for Design and the Arts
Location:
HIMUSPMBA

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MSC 443: Popular Music Forum | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101 The ASU School of Music Experience is required of all first-year music majors.<br>• Courses offered in fall semesters only: MTC 125, MUP 101.<br>• Complete a resume in MUP 101. |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 111: Studio Instruction | 2 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| MUP 441: Popular Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MSC 443: Popular Music Forum | 1 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered in spring semesters only: MTC 221.<br>• Familiarize yourself with information about musicians' health. |
| MUP 111: Studio Instruction | 2 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MSC 221: Popular Music Lab | 1 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| MUP 441: Popular Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 or ENG 105 or ENG 107 course(s) | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MSC 443: Popular Music Forum | 1 | C |
| MUP 111: Studio Instruction OR Popular Music Foundations | 2 | C |
| MSC 115: Music Production Fundamentals | 2 | C |
| MSC 221: Popular Music Lab OR MSC 441: Live Sound and Stage Technology I OR MUP 441: Popular Music Ensemble | 1 | C |
| MTC 222: Music Theory: 19th Century OR MTC 224: Arranging for Popular Musicians | 3 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement | | |
| Complete MUP 131 course(s). | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 16 | |

- Students can choose between continuing their instrumental studies via MUP 111 or begin taking Popular Music Foundations courses.
- MSC 115 test out is available.
- Students can choose between MTC 224: Arranging for Popular Musicians (Downtown campus) or MTC 222: Music Theory: 19th Century (Tempe campus).
- Complete Popular Music Specialization sheet with a faculty mentor or advisor to guide your degree work. Review specialization prerequisites to ensure you've fulfilled or are in progress of fulfilling them. If fulfilled by this point, begin taking Popular Music Specialization coursework.
- Courses offered in fall semesters only: MTC 222, MTC 224.
- Participate in at least two ensemble performances.

| **Term 4 48 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MSC 443: Popular Music Forum | 1 | C | |
| MUP 111: Studio Instruction OR Popular Music Foundations | 2 | C | |
| MSC 221: Popular Music Lab OR MUP 441: Popular Music Ensemble | 1 | C | |
| MTC 223: Music Theory: 20th Century OR MTC 225: Popular Music Theory | 3 | C | |
| MSC Elective | 2 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Milestone: Rising Junior Milestone Interview | | | |
| Term hours subtotal: | 15 | | |

- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- Students can choose between continuing their instrumental studies via MUP 111 or begin taking Popular Music Foundations courses.
- Students can choose between MTC 225: Popular Music Theory (Downtown campus) or MTC 223: Music Theory: 20th Century (Tempe campus).
- Complete Popular Music Specialization sheet with a faculty mentor or advisor to guide your degree work. Review specialization prerequisites to ensure you've fulfilled or are in progress of fulfilling them. If fulfilled by this point, begin taking Popular Music Specialization coursework.
- Courses offered in spring semesters only: MTC 223, MTC 225.
- Select a faculty mentor to guide your degree work.

| **Term 5 63 - 79 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MSC 443: Popular Music Forum | 1 | C | |
| MSC 451: Popular Music Industry Studies I | 2 | C | |
| *Complete 2 courses:*<br>Upper Division Popular Music Specializations | 6 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

- In terms 5-8, in consultation with faculty, students should enroll in a minimum of 18 credits of Popular Music Specialization courses.

| Term 6 79 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MSC 443: Popular Music Forum | 1 | C | |
| MSC 452: Popular Music Industry Studies II | 2 | C | |
| *Complete 2 courses:*<br>Upper Division Popular Music Specializations | 6 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s) | 0 | | |
| ★ Milestone: Rising Senior Milestone Interview | | | |
| Term hours subtotal: | 15 | | |

| Term 7 94 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MSC 489: Popular Music Capstone Project | 3 | C | • Students must take two upper division MHL courses. Students must choose one course from the "Music History: 1900-Present" track group and one 3xx or 4xx level MHL course. These can be taken at anytime in terms 5-8.<br>• Gather a list of professional references. |
| ★ Upper Division Music History: 1900-Present AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MSC 444: Popular Music Senior Forum | 1 | C | |
| Upper Division Popular Music Specializations | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MSC 489: Popular Music Capstone Project | 3 | C | • Students must take two upper division MHL courses. Students must choose one course from the "Music History: 1900-Present" track group and one 3xx or 4xx level MHL course. These can be taken at anytime in terms 5-8.<br>• Complete capstone project. |
| ★ MHL Upper Division Elective | 3 | C | |
| MSC 444: Popular Music Senior Forum | 1 | C | |
| Upper Division Popular Music Specializations | 3 | C | |
| Elective OR MSC 484: Internship | 3 | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

| Popular Music Foundations |
|---|
| MSC 211: Songwriting Fundamentals |
| MSC 212: Intermediate Music Production |
| MSC 213: Sound Design Fundamentals |
| MSC 314: Critical Listening |

| Popular Music Specializations |
|---|
| MSC 470: Sound Designer/Producer |
| MSC 471: Contemporary Composer/Producer Specialization |
| MSC 472: Songwriter/Producer Specialization |
| MSC 473: Engineer/Producer Specialization |
| MSC 474: Contracts and Negotiations |
| MSC 474: Creative Audio Editing |
| MSC 474: Music and Advocacy |
| MSC 474: Music Branding and Marketing |

| Music History: 1900-Present |
|---|
| MHL 342: Music History II (HU) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 494: American Aesthetics after 1960 |
| MHL 494: Jazz Musicians as Composers |
| MHL 494: Music and Film |

| | |
|---|---|
| MSC 474: Writing for Film and Television | MHL 494: Opera and Music Theater Since 1950 |
| MSC 475: DIY Creative Careers | |
| MSC 477: Live Experience Design Specialization | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Music Learning and Teaching, BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSEBM

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUE 101 The ASU School of Music Experience required of all first-year music learning and teaching majors.<br>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• MUP 131 Class Piano must be taken rather than MUP 133 Class Voice unless piano is primary instrument.<br>• Students may use up to two semesters of MUP 461 Marching and Athletic Bands towards degree (optional).<br>• Courses offered fall semester only: MTC 125, MUE 101, MUP 131, MUP 133.<br>• Complete a resume in MUE 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUE 101: The ASU School of Music Experience | 1 | C | |
| MUP 111: Studio Instruction | 2 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MUP 131: Class Piano OR MUP 133: Class Voice | 1 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTC 221: Music Theory: 18th Century | 3 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Students are expected to perform in at least one large ensemble per semester in semesters 1-4.<br>• Apply for Identity Verified Print (IVP) fingerprint clearance card, required by state law for participation in internships in K-12 grade schools.<br>• Courses offered in spring semester only: MTC 221, MUE 110, MUE 154, MUP 132, MUP 134.<br>• Familiarize yourself with information about musicians' health. |
| MUE 110: Introduction to Music Education | 2 | C | |
| MUE 154: Gesture and Sound | 1 | C | |
| MUP 111: Studio Instruction | 2 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MUP 132: Class Piano OR MUP 134: Class Voice | 1 | C | |
| Mathematics (MA) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTC 222: Music Theory: 19th Century | 3 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Refer to course list and consult with faculty mentor regarding MUE Lab Course selection. MUE 319 Digital and Hybrid Lab is required (can be taken during Term 3 or Term 4).<br>• Courses offered in fall semester only: MTC 222, MUE 323, MUE 325.<br>• Talk to your studio instructor about ways to enhance your performance skills; participate in at least two large ensemble performances. |
| MUP 111: Studio Instruction | 2 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles | 1 | C | |
| *Complete 2 courses:*<br>Upper Division MUE Lab Course | 4 | C | |
| MHL 201: Media Literacy for Musicians (CS) OR AME 111: Introduction to Digital Culture (CS) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 17 | | |

| Term 4 47 - 64 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTC 223: Music Theory: 20th Century | 3 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Meet with your advisor early in the semester to submit an "Intent to Progress" form that notifies Teachers College you will be ready to enroll in your first internship the following term. You will upload a copy of your IVP FPC with this form, required by state law. Teachers College will then invite you to attend their mandatory Professional Pathways Orientation.<br>• GCU 113 meets US and AZ Constitution requirements for teaching certification.<br>• Refer to course list and consult with faculty mentor regarding MUE Lab Course selection. MUE 319 Digital and Hybrid Lab is required (can be taken during Term 3 or Term 4).<br>• Courses offered in spring semester only: MTC 223, MUE 321.<br>• Create and continue to add to a professional online portfolio. |
| MUP 111: Studio Instruction | 2 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles | 1 | C | |
| *Complete 2 courses:*<br>Upper Division MUE Lab Course | 4 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H)<br>( GCU 113 recommended) | 3 | | |
| Milestone: All Music Learning and Teaching majors must audition with faculty during this term. | | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17 | | |

| Term 5 64 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 311: Studio Instruction | 2 | C | • Refer to course list and consult with faculty mentor regarding The Art of Teaching course selection.<br>• Students are expected to perform in at least one large ensemble per semester in semesters 5-7.<br>• Please see Upper Division MHL Through Present Time Course list for options.<br>• TEL 215 is a required course for students seeking teacher certification.<br>• Courses offered in fall semesters only: MUE 481. |
| TEL 355: Internship: Initial | 1 | C | |
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles | 1 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Upper Division The Art of Teaching Course | 4 | B | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

- Courses offered in rotations: MUE 413 (every fall and even springs), MUE 415 (every fall and odd springs).
- Gather a list of professional references.

| Term 6 78 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MUP 311: Studio Instruction | 2 | C | • Refer to course list and consult with faculty mentor regarding The Art of Teaching course selection.<br>• Please see Upper Division MHL HU Course list for options.<br>• Courses offered in spring semester only: MUE 480, MUE 482.<br>• Courses offered in rotations: MUE 413 (every fall and even springs), MUE 415 (every fall and odd springs).<br>• Complete internships at two different schools. |
| ★ TEL 366: Internship: Intermediate | 1 | C | |
| ★ Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MUE 161: Introduction to Music Therapy | 2 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles | 1 | C | |
| Upper Division The Art of Teaching Course | 4 | B | |
| Literacy and Critical Inquiry (L) AND Cultural Diversity in the U.S. (C) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MUP 311: Studio Instruction | 2 | C | • Refer to course list and consult with faculty mentor regarding The Art of Teaching course selection.<br>• BLE 408 required for students pursuing K-12 certification. |
| ★ TEL 477: Internship: Advanced | 2 | C | |
| BLE 408: Structured English Immersion (SEI) Methods (L) | 3 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles | 1 | C | |
| MUP 495: Performance | 0 | C | |
| Upper Division The Art of Teaching Course | 4 | B | |
| Elective | 2 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | • Take the AEPA/NES Professional Knowledge Test in Term 8 (secondary recommended; necessary for teacher certification).<br>• Your student teaching residency requires a full-time commitment in the K-12th grade classroom for the semester (necessary for teacher certification). |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| The Art of Teaching Courses | MUE Lab Courses | Upper Division MHL (HU) Through Present Time Courses |
|---|---|---|
| MUE 413: The Art of Teaching Children Music | Required: | MHL 342: Music History II (HU) |

| | | |
|---|---|---|
| MUE 415: The Art of Teaching Contemporary Musicians | MUE 319: Digital and Hybrid Lab | MHL 344: Music in World Cultures (HU & G) |
| MUE 480: The Art of Teaching Choral Musicians | Choose 3 additional courses: | MHL 365: Popular Music and Race ((L or HU) & C) |
| MUE 481: The Art of Teaching Beginning Instrumentalists | MUE 317: Strings Lab | MHL 394: Music in the Middle East |
| MUE 482: The Art of Teaching Advanced Instrumentalists | MUE 321: Jazz Lab | MHL 440: Topics in 20th-Century Music (L or HU) |
| | MUE 323: Keyboard Lab | MHL 441: Concerts in the 20th Century (HU) |
| | MUE 325: Voice/Choral Lab | MHL 445: Music of the Silk Road (HU & G) |
| | MUE 327: Brass Lab | MHL 447: Music and Healing (HU & H & G) |
| | MUE 334: Guitar Lab | MHL 494: Music and Film |
| | MUE 336: Percussion Lab | MHL 494: Recycled Music: Medieval to Modern |
| | MUE 337: Woodwinds Lab | |
| | MUE 394: Popular Music Lab for Teachers | |

| Upper Division MHL (HU) Courses |
|---|
| MHL 341: Music History I (HU) |
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film |
| MHL 494: Recycled Music: Medieval to Modern |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Music Therapy, BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSTHBM

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • MUE 101 The ASU School of Music Experience is required of all first-year music therapy majors.<br>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• See course list below for MUP 4** (400-Level) Music Ensemble course options. Students should complete four large ensembles and two small ensembles.<br>• For statistics, students may choose PSY 230 or STP 226; if students choose PSY 230, they must complete MAT 119 or higher for Mathematics (MA) requirement.<br>• Courses offered in fall semester only: MTC 125, MUE 101, MUP 131.<br>• Complete a resume in MUE 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MUE 101: The ASU School of Music Experience | 1 | C | |
| MUP 111: Studio Instruction | 2 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUE 335: Educational Methods for Guitar | 1 | C | |
| MUP 131: Class Piano | 1 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** (400-Level) MUP Music Ensemble | 1 | C | |
| Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 111: Studio Instruction | 2 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• See course list below for MUP 4** (400-Level) Music Ensemble course options.<br>• Courses offered in spring semester only: MTC 221, MUP 132.<br>• Familiarize yourself with information about musicians' health. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| MUP 132: Class Piano | 1 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** (400-Level) MUP Music Ensemble | 1 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 31 - 48 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| MUE 161: Introduction to Music Therapy | 2 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• See course list below for MUP 4** (400-Level) Music Ensemble course options.<br>• Courses offered in fall semester only: MTC 222, MUE 162, MUP 133, MUP 231.<br>• Talk to your studio instructor about ways to enhance your performance skills; participate in at least two large ensemble performances. |
| MUE 162: Introduction to Music Therapy Lab | 1 | C | |
| MUP 111: Studio Instruction | 2 | C | |
| CDE 232: Human Development (SB) | 3 | | |
| MTC 222: Music Theory: 19th Century | 3 | C | |
| MUP 133: Class Voice | 1 | C | |
| MUP 231: Class Piano | 1 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** (400-Level) MUP Music Ensemble | 1 | C | |
| SOC 101: Introductory Sociology (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete MTC 125 AND MUP 131. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 17 | | |

| Term 4 48 - 64 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUE 261: Music Therapy Treatment Process | 3 | C | • Students must pass a jury in term 4 to be eligible for MUP 311 as an Advanced Performance Course in Term 5.<br>• Students must pass music therapy jury 1 in term 4 to be eligible for MUE 384 Therapy Practicum I and upper division courses. Students can retake the jury one time.<br>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• See course list below for MUP 4** (400-Level) Music Ensemble course options.<br>• Courses offered in spring semester only: MTC 223, MUE 260, MUE 261, MUP 134, MUP 232.<br>• Participate in clinical work at ASU's Music Therapy Clinic. |
| MUP 111: Studio Instruction | 2 | C | |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| MUE 260: Repertoire for Music Therapy | 2 | C | |
| MUP 134: Class Voice | 1 | C | |
| MUP 232: Class Piano | 1 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** (400-Level) MUP Music Ensemble | 1 | C | |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | | |
| Complete MTC 221 AND MUP 132. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 64 - 80 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUE 384: Therapy Practicum I | 1 | C | • Please see Upper Division MHL Course list below for options.<br>• A minimum of four hours of Advanced Performance is required. Students may complete this requirement by taking four hours of MUP 311 Studio Instruction or by substituting Advanced Performance courses toward this requirement. Please refer to the Advanced Performance course list below for options.<br>• See course list below for MUP 4** (400-Level) Music Ensemble course options. |
| MUE 467: Music Therapy Theory and Practice I | 3 | C | |
| MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting | 1 | C | |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** (400-Level) MUP Music Ensemble | 1 | C | |
| PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | | |
| PSY 366: Psychological Disorders (SB) | 3 | | |
| Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |

| | | |
|---|---|---|
| Upper Division Advanced Performance Course | 1-2 | C |
| ★ Complete MTC 222 AND MUP 231. | | |
| Term hours subtotal: | 16-17 | |

- Course offered in fall semesters only: MUE 467.
- Gather a list of professional references.

| Term 6 80 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ MUE 385: Therapy Practicum II | 1 | C |
| ★ MUE 463: Music Therapy Theory and Practice II | 3 | C |
| MUE 381: Music Therapy Research (L) | 3 | C |
| MUE 434: Health Rhythms Drum Facilitation | 2 | C |
| MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** (400-Level) MUP Music Ensemble | 1 | C |
| Upper Division MHL Through Present Time Course | 3 | C |
| Upper Division Advanced Performance Course | 1-2 | C |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| ★ Complete MTC 223 AND MUP 232. | | |
| Term hours subtotal: | 14-15 | |

- Students must pass music therapy jury 2 in term 6 to be eligible for MUE 476 Internship in Music Therapy. Students can retake the jury one time.
- Please see Upper Division MHL Through Present Time Course list below for options.
- A minimum of four hours of Advanced Performance is required. Students may complete this requirement by taking four hours of MUP 311 Studio Instruction or by substituting Advanced Performance Courses toward this requirement. Please refer to the Advanced Performance Course list below for options.
- See course list below for MUP 4** (400-Level) Music Ensemble course options.
- Courses offered in spring semesters only: MUE 381, MUE 463.
- Complete two clinical experiences.

| Term 7 94 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ MUE 386: Therapy Practicum III | 2 | C |
| BIO 160: Introduction to Anatomy and Physiology (SQ) | 4 | |
| MUE 441: Psychology of Music | 3 | C |
| MUE 475: Group Process and Music Therapy | 3 | C |
| Upper Division Advanced Performance Course | 1-2 | C |
| Term hours subtotal: | 13-14 | |

- A minimum of four hours of Advanced Performance is required. Students may complete this requirement by taking four hours of MUP 311 Studio Instruction or by substituting Advanced Performance Courses toward this requirement. Please refer to the Advanced Performance Course list below for options.
- Courses offered in fall semester only: MUE 441, MUE 475.

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ MUE 387: Therapy Practicum IV | 2 | C |
| ★ MUE 476: Internship in Music Therapy | 1 | C |
| Upper Division Advanced Performance Course | 1-2 | C |
| DCE Elective | 2 | |
| Upper Division Literacy and Critical Inquiry (L) AND Historical Awareness (H) | 3 | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Term hours subtotal: | 13-14 | |

- A minimum of four hours of Advanced Performance is required. Students may complete this requirement by taking four hours of MUP 311 Studio Instruction or by substituting Advanced Performance Courses toward this requirement. Please refer to the Advanced Performance Course list below for options.
- Complete clinical experiences and apply for a formal internship.
- Students register for MUE 476 (6-month internship) in the last semester and complete it after finishing all coursework for the degree. Degree is posted after completion of all requirements and the internship.

Hide Course List(s)/Track Group(s)

| 4** (400-Level) MUP Music Ensembles Course List |
| --- |
| MUP 442: Instrumental Ensembles |
| MUP 443: Choral Ensembles |
| MUP 444: Maroon and Gold Concert Band |
| MUP 450: Choral Union |
| MUP 455: Arizona Statesmen |
| MUP 457: Sol Singers |
| MUP 458: ASU Gospel Choir |
| MUP 479: Chamber Music Ensembles |
| MUP 486: Jazz Band |

| Advanced Performance Course List |
| --- |
| MUP 311: Studio Instruction |
| MUP 321: Studio Instruction |
| MUP 417: Applied Jazz Improvisation |
| MUP 479: Piano Ensemble |
| MUP 485: Percussion Ensemble |
| MUP 489: Ethnomusicology Ensembles |

| Upper Division MHL Through Present Time Courses |
| --- |
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film |
| MHL 494: Recycled Music: Medieval to Modern |

| Upper Division MHL (HU) Courses |
| --- |
| MHL 341: Music History I (HU) |
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film |
| MHL 494: Recycled Music: Medieval to Modern |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance (Collaborative Piano), BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSPPBM

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101 The ASU School of Music Experience is required of all first-year music majors.<br>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered fall semester only: MTC 125, MUP 101.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 127: Studio Instruction | 4 | C | |
| MUP 479: Piano Ensemble | 1 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered in spring semester only: MTC 221.<br>• Familiarize yourself with information about musicians' health. |
| MUP 479: Piano Ensemble | 1 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | • Applicability of transfer credit for studio instruction is determined based on successful |
| MUP 250: Diction for Singers | 1 | C | |

| | | |
|---|---|---|
| MUP 479: Piano Ensemble | 1 | C |
| MTC 222: Music Theory: 19th Century | 3 | C |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Complete MTC 125 by end of term 3. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 16 | |

- completion of audition and review of transcripts.
- Due to sequence of music theory courses, failure to successfully complete MTC 125 by end of Term 3 will negatively impact ability to complete degree in four years.
- MUP 250 Italian Diction is offered in odd numbered fall semesters only.
- MUP 250 German Diction is offered in even numbered spring semesters only.
- MUP 250 French Diction is offered in even numbered fall semesters only.
- Courses offered in fall semester only: MTC 222.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

| **Term 4 47 - 61 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete MTC 221 by end of term 4. | | | |
| Term hours subtotal: | 14 | | |

- Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.
- Audition is required after Term 4 to continue into MUP 337 Studio Instruction: Collaborative Piano.
- Courses offered in spring semester only: MTC 223.

| **Term 5 61 - 76 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MHL 341: Music History I (HU) | 3 | C | |
| MUP 495: Performance | 0 | Y | |
| MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting | 1 | C | |
| MUP 311: Studio Instruction | 2 | C | |
| MUP 337: Studio Instruction: Collaborative Piano | 2 | C | |
| MUP 388: Collaborative Piano | 1 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete MTC 222 by end of term 5. | | | |
| Term hours subtotal: | 15 | | |

- Course offered in fall semester only: MUP 210.

| **Term 6 76 - 91 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MUP 495: Performance | 0 | Y | |
| MTC 428: Advanced Form and Analysis | 3 | C | |
| MUP 311: Studio Instruction | 2 | C | |

- MTC 428, MUP 451: Piano Chamber Music, and MUP 453 are offered in odd numbered spring semesters only.
- Certain studios may require an additional semester of repertoire; please check with your studio professor.

| | | |
|---|---|---|
| MUP 337: Studio Instruction: Collaborative Piano | 2 | C |
| MUP 388: Collaborative Piano | 1 | C |
| MUP 451: Piano Chamber Music | 2 | C |
| MUP 453: Art Song Repertoire OR MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 2 | C |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Complete MTC 223 by end of term 6. | | |
| Complete MUP 209 OR MUP 210 by end of term 6. | | |
| Term hours subtotal: | 15 | |

- Gather a list of professional references.

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 496: Performance | 0 | Y | • Prepare, publicize, and present a public performance. |
| MUP 311: Studio Instruction | 2 | C | |
| MUP 337: Studio Instruction: Collaborative Piano | 2 | C | |
| MUP 388: Collaborative Piano | 1 | C | |
| MUP 487: Collaborative Piano | 1 | C | |
| MHL course (L) Upper Division | 3 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective ( MUP 451 OR MUP 484 OR MUP 438 recommended) | 3 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective ( MSC 115 OR MSC 212 OR MUP 451 OR MUP 484 OR MUP 438 recommended) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 496: Performance | 0 | Y | • MUP 453 offered in odd spring semesters only. |
| MUP 311: Studio Instruction | 2 | C | |
| MUP 337: Studio Instruction: Collaborative Piano | 2 | C | |
| MUP 388: Collaborative Piano | 1 | C | |
| MUP 453: Art Song Repertoire OR MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 2 | C | |
| *Complete 2 courses:* MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective ( MUP 451 OR MUP 484 OR MUP 438 recommended) | 4 | C | |
| Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship | 3 | | |
| Term hours subtotal: | 14 | | |

Hide Course List(s)/Track Group(s)

| | |
|---|---|
| MUP 4** (400-Level) Ensembles Course List | Upper Division MHL (HU) Through Present Time Courses |
| MUP 443: Choral Ensembles | MHL 342: Music History II (HU) |

MUP 450: Choral Union

MUP 455: Arizona Statesmen

MUP 457: Sol Singers

MUP 479: Chamber Music Ensembles

MUP 485: Percussion Ensemble

MUP 486: Jazz Band

MUP 489: Ethnomusicology Ensembles

MHL 344: Music in World Cultures (HU & G)

MHL 365: Popular Music and Race ((L or HU) & C)

MHL 394: Music in the Middle East

MHL 440: Topics in 20th-Century Music (L or HU)

MHL 441: Concerts in the 20th Century (HU)

MHL 445: Music of the Silk Road (HU & G)

MHL 447: Music and Healing (HU & H & G)

MHL 494: Music and Film

MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance (Guitar), BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSPGBM

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • MUP 101 The ASU School of Music Experience required of all first-year music majors.<br>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.<br>• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered fall semester only: MTC 125, MUP 101, MUP 131.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 127: Studio Instruction | 4 | C | |
| MUP 479: Guitar Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered in spring semester only: MTC 221, MUP 132.<br>• Familiarize yourself with information about musicians' health. |
| MUP 479: Guitar Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| MUP 132: Class Piano | 1 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | |
| MUP 479: Guitar Ensemble | 1 | C | |

| | | |
|---|---|---|
| MTC 222: Music Theory: 19th Century | 3 | C |
| MUP 231: Class Piano | 1 | C |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete MTC 125 AND MUP 131 course(s). | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 15 | |

- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- Due to sequence of music theory courses, failure to successfully complete MTC 125 by end of Term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

| **Term 4 46 - 61 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | |
| MUP 479: Guitar Ensemble | 1 | C | |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| MUP 232: Class Piano | 1 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete MTC 221 AND MUP 132 course(s). | | | |
| Term hours subtotal: | 15 | | |

- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- For music elective options, please refer to Recommended Music Electives list below.
- Courses offered in spring semester only: MTC 223, MUP 232.

| **Term 5 61 - 76 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MUP 327: Studio Instruction | 4 | C | |
| MUP 479: Guitar Ensemble | 1 | C | |
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MTC 320: Modal Counterpoint OR MTC 321: Tonal Counterpoint | 2 | C | |
| MUP 210: Beginning Instrumental Conducting OR MUP 209: Beginning Choral Conducting | 1 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete MTC 222 AND MUP 231 course(s). | | | |
| Term hours subtotal: | 15 | | |

- One semester of counterpoint is required. Choose from MTC 320 (modal - odd fall semesters) or MTC 321 (tonal - even spring semesters). Complete by end of Term 6.
- Courses offered in fall semester only: MTC 320 (odd numbered fall semesters only), MUP 210.

| **Term 6 76 - 91 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MUP 327: Studio Instruction | 4 | C | |
| MUP 479: Guitar Ensemble | 1 | C | |
| MUP 495: Performance | 0 | Y | |
| Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

- MTC 321 offered in even numbered spring semesters only.
- Gather a list of professional references.

| | | |
|---|---|---|
| ★ Complete MTC 223 AND MUP 232 course(s). | | |
| ★ Complete MTC 320 OR MTC 321. | | |
| Term hours subtotal: | 15 | |

| Term 7 91 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • For music elective options, please refer to Recommended Music Electives list below. |
| ★ MUP 479: Guitar Ensemble | 1 | C | |
| MUP 481: Performance Pedagogy and Materials | 2 | C | |
| MHL course (L) Upper Division | 3 | C | |
| *Complete 2 courses:* MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 6 | C | |
| Term hours subtotal: | 16 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • For music elective options, please refer to Recommended Music Electives list below.<br>• Prepare, publicize, and present a public performance. |
| ★ MUP 479: Guitar Ensemble | 1 | C | |
| ★ MUP 496: Performance | 0 | Y | |
| MUP 451: Repertoire | 2 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective | 3 | C | |
| Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship | 3 | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

| Upper Division MHL (HU) Through Present Time Courses |
|---|
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film |
| MHL 494: Recycled Music: Medieval to Modern |

| Upper Division MHL (HU) Courses |
|---|
| MHL 341: Music History I (HU) |
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film |

| Recommended Music Electives |
|---|
| MHL 201: Media Literacy for Musicians (CS) |
| MHL 439: Topics in 19th-Century Music |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MUP 340: Intermediate Conducting |
| MUP 451: Repertoire |

MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance (Jazz), BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSPJBM

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • MUP 101: The ASU School of Music Experience is required of all first-year music majors.<br>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.<br>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered fall semester only: MTC 125, MUP 101, MUP 131.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 127: Studio Instruction | 4 | C | |
| MUP 479: Jazz Combo | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | • Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered in spring semester only: MTC 221, MTC 440, MUP 132.<br>• Familiarize yourself with information about musicians' health. |
| MUP 479: Jazz Combo | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| MTC 440: Jazz Theory and Ear Training | 2 | C | |
| MUP 132: Class Piano | 1 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 33 - 49 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | |

| | | |
|---|---|---|
| MUP 479: Jazz Combo | 1 | C |
| MTC 222: Music Theory: 19th Century | 3 | C |
| MUP 235: Jazz Piano | 1 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete MTC 125 AND MUP 131. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 16 | |

- Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.
- Due to sequence of music theory courses, failure to successfully complete MTC 125 by Term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 235.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

| **Term 4** 49 - 65 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | |
| MUP 479: Jazz Combo | 1 | C | |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| MUP 236: Jazz Piano | 1 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete MTC 221 AND MUP 132. | | | |
| Term hours subtotal: | 16 | | |

- Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in spring semester only: MTC 223, MUP 236.

| **Term 5** 65 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 327: Studio Instruction | 4 | C | |
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MTC 415: Scoring for Instrumental Jazz Ensembles I | 2 | C | |
| MUP 479: Jazz Combo | 1 | C | |
| MUP 486: Jazz Band | 1 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | | |
| Complete MTC 222 AND MUP 235 course(s). | | | |
| Term hours subtotal: | 14 | | |

- MTC 415 offered in fall semesters only.

| **Term 6** 79 - 95 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 327: Studio Instruction | 4 | C | |
| MUP 495: Performance | 0 | Y | |
| Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MTC 416: Scoring for Instrumental Jazz Ensembles II | 2 | C | |
| MUP 319: Advanced Audio Engineering in the Arts | 2 | C | |
| MUP 479: Jazz Combo | 1 | C | |
| MUP 486: Jazz Band | 1 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |

- Courses offered in spring semester only: MTC 416, MUP 319.
- Gather a list of professional references.

| | | | |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Complete MTC 223 AND MUP 236 course(s). | | | |
| | Term hours subtotal: | 16 | |

| Term 7 95 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • Prepare, publicize, and present a public performance. |
| MUP 451: Jazz Repertoire | 2 | C | |
| MUP 486: Jazz Band | 1 | C | |
| MHL course (L) Upper Division | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • Course offered in spring semester only: MTC 441. |
| ★ MUP 496: Performance | 0 | Y | |
| MTC 441: Jazz Composition | 2 | C | |
| MUP 451: Jazz Repertoire | 2 | C | |
| MUP 486: Jazz Band | 1 | C | |
| Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: null | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Upper Division MHL (HU) Through Present Time Courses |
|---|
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film |
| MHL 494: Recycled Music: Medieval to Modern |

| Upper Division MHL (HU) Courses |
|---|
| MHL 341: Music History I (HU) |
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film |
| MHL 494: Recycled Music: Medieval to Modern |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance (Keyboard), BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSPKBM

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. First-year music majors take MUP 101: The ASU School of Music Experience.<br>• For MUP 4** Ensemble course options, students must select at least one ensemble from each of the below categories: (1) Small Ensemble, (2) Large Ensemble, (3) Choral Ensemble, and (4) Jazz, Ethno, World Music, or Popular Music Ensemble. Courses available in each category are listed at the bottom of the major map.<br>• Students receiving music scholarships should register for MUP 487 in Term 1.<br>• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered in fall semester only: MTC 125, MUP 101.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 127: Studio Instruction | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| 4** MUP Ensembles | 1 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | • Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• For MUP 4** Ensemble course options, students must select at least one ensemble from each of the below categories: (1) Small Ensemble, (2) Large Ensemble, (3) Choral Ensemble, and (4) Jazz, Ethno, World Music, or Popular Music Ensemble. Courses available in each category are listed at the bottom of the major map.<br>• Course offered in spring semester only: MTC 221.<br>• Familiarize yourself with information about musicians' health. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| 4** MUP Ensembles | 1 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | • Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• For MUP 4** Ensemble course options, students must select at least one ensemble from each of the below categories: (1) Small Ensemble, (2) Large Ensemble, (3) Choral Ensemble, and (4) Jazz, Ethno, World Music, or Popular Music Ensemble. Courses available in each category are listed at the bottom of the major map.<br>• Due to sequence of music theory courses, failure to successfully complete MTC 125 by the end of Term 3 will negatively impact ability to complete degree in four years.<br>• Courses offered in fall semester only: MTC 222.<br>• Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences, including preparing your Term 4 jury to advance to MUP 327 in Term 5. |
| MTC 222: Music Theory: 19th Century | 3 | C | |
| 4** MUP Ensembles | 1 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete MTC 125. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | • Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• For MUP 4** Ensemble course options, students must select at least one ensemble from each of the below categories: (1) Small Ensemble, (2) Large Ensemble, (3) Choral Ensemble, and (4) Jazz, Ethno, World Music, or Popular Music Ensemble. Courses available in each category are listed at the bottom of the major map.<br>• Course offered in spring semester only: MTC 223. |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| 4** MUP Ensembles | 1 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete MTC 221. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MHL 341: Music History I (HU) | 3 | C | • **Pedagogy and Repertoire**: Students must complete MUP 451 Piano Lit I, MUP 451 Piano Lit II, and MUP 481 Piano Beginner to complete this requirement. Courses can be taken in any order.<br>• **Students who enter in an odd catalog year will take the courses in this sequence**: MUP 451 Piano Lit I (odd fall, Term 5), MUP 451 Piano Lit II (even spring, Term 6), MUP 481 Piano Beginner (even fall, Term 7).<br>• **Students who enter in an even catalog year will take the courses in this sequence**: MUP 481 Piano Beginner (even fall, Term 5), MUP |
| MUP 327: Studio Instruction | 4 | C | |
| MTC 425: Studies in 20th- and 21st-Century Theory | 3 | C | |
| MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting | 1 | C | |
| MUP 451: Piano Lit I OR MUP 481: Piano: Beginner | 2 | C | |
| MUP 479: Piano Ensemble | 1 | C | |
| MUP 487: Collaborative Piano | 1 | C | |
| Complete MTC 222. | | | |
| Term hours subtotal: | 15 | | |

451 Piano Lit I (odd fall, Term 7), MUP 451 Piano Lit II (even spring, Term 8).
- Courses offered in fall semester only: MTC 425, MUP 210, MUP 487.

| Term 6 77 - 92 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • MUP 451 Piano Chamber Music (odd springs) and/or MUP 482 Intermediate (odd springs) are recommended for the upper division music elective.<br>• MUP 451 Piano Lit II is offered in even springs.<br>• Course offered in spring semester only: MUP 440 (odd numbered spring semesters only).<br>• Gather a list of professional references. |
| ★ MUP 495: Performance | 0 | Y | |
| ★ Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MUP 121: Organ OR MUP 121: Harpsichord | 1 | C | |
| MUP 440: Keyboard Harmony | 1 | C | |
| MUP 451: Piano Lit II OR MDC OR MHL OR MTC OR MUE OR MUP OR MSC Upper Division Elective | 2 | C | |
| MUP 479: Piano Ensemble | 1 | C | |
| MDC OR MHL OR MTC OR MUE OR MUP OR MSC Elective ( MSC 115 OR MSC 212 OR MUP 451 OR MUP 484 OR MUP 438 recommended) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Complete MTC 223. | | | |
| ★ Complete MUP 209 OR MUP 210. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • MUP 451 Piano Lit I is offered in odd-numbered fall semesters.<br>• MUP 481 Piano: Beginner is offered in even-numbered fall semesters.<br>• Course offered in fall semester only: MUP 487. |
| MUP 451: Piano Lit I OR MUP 481: Piano: Beginner | 2 | C | |
| MUP 487: Collaborative Piano | 1 | C | |
| MHL course (L) Upper Division | 3 | C | |
| MDC OR MHL OR MTC OR MUE OR MUP OR MSC Elective ( MSC 115 OR MSC 212 OR MUP 451 OR MUP 484 OR MUP 438 recommended) | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • MUP 451 Piano Chamber Music (odd spring semesters) and/or MUP 482 Intermediate (odd spring semesters) are recommended for the upper division music elective.<br>• MUP 451 Piano Lit II is offered in even spring semesters.<br>• Prepare, publicize, and present a public performance. |
| ★ MUP 496: Performance | 0 | Y | |
| MUP 451: Piano Lit II OR MDC OR MHL OR MTC OR MUE OR MUP OR MSC Upper Division Elective | 2 | C | |
| MHL Upper Division Elective | 3 | C | |
| MDC OR MHL OR MTC OR MUE OR MUP OR MSC Upper Division Elective ( MUP 451 OR MUP 484 OR MUP 438 recommended) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Upper Division MHL (HU) Through Present Time Courses |
| --- |
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film |
| MHL 494: Recycled Music: Medieval to Modern |

| Jazz, Ethno, World Music, or Popular Music Ensemble |
| --- |
| MUP 441: Popular Music Ensemble |
| MUP 458: ASU Gospel Choir |
| MUP 485: Steel Band |
| MUP 486: Jazz Band |
| MUP 489: Ethnomusicology Ensembles |

| Choral Ensemble |
| --- |
| MUP 443: Choral Ensembles |
| MUP 450: Choral Union |
| MUP 455: Arizona Statesmen |
| MUP 457: Sol Singers |
| MUP 458: ASU Gospel Choir |
| MUP 459: Barrett Choir |

| Small Ensemble |
| --- |
| MUP 460: The Visiting Quartet Residency Program |
| MUP 476: New Music Ensemble |
| MUP 479: Chamber Music Ensembles |

| Large Instrumental Ensemble |
| --- |
| MUP 442: Instrumental Ensembles |
| MUP 476: New Music Ensemble |
| MUP 485: Percussion Ensemble |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance (Music Theatre), BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSPMBM

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. All first-year music majors take MUP 101: The ASU School of Music Experience to satisfy the First Year Seminar requirement.<br>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.<br>• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Music Theatre I - VIII must be taken in sequence in the semesters indicated.<br>• MUP 467 must be taken twice in sequence (part 1 in fall and part 2 in spring). Students entering the major in the spring semester who have not taken MUP 467 first in the fall semester should wait until the next fall semester to enroll.<br>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131, MUP 170.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 111: Studio Instruction | 2 | C | |
| MUP 170: Music Theatre I | 2 | C | |
| MUP 467: Music Theatre Dance Technique | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 111: Studio Instruction | 2 | C | • Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.<br>• MUP 467 must be taken twice in sequence (part 1 in fall and part 2 in spring). Students entering the major in the spring semester who have not taken MUP 467 first in the fall semester should wait until the next fall semester to enroll.<br>• Courses offered in spring semester only: MTC 221, MUP 132, MUP 172. |
| MUP 172: Music Theatre II | 2 | C | |
| MUP 467: Music Theatre Dance Technique | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| MUP 132: Class Piano | 1 | C | |

| | | |
|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 15 | |

- Familiarize yourself with information about musicians' health.

| Term 3 31 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade |
|---|---|---|
| MUP 111: Studio Instruction | 2 | C |
| MUP 270: Music Theatre III | 2 | C |
| MUP 374: Technical Production I (Foundations) | 1 | C |
| DCE Movement Elective | 2 | C |
| MTC 222: Music Theory: 19th Century | 3 | C |
| MUP 231: Class Piano | 1 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

- Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.
- DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of Term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 231, MUP 270.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

| Term 4 45 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade |
|---|---|---|
| MUP 111: Studio Instruction | 2 | C |
| MUP 272: Music Theatre IV | 2 | C |
| MUP 374: Technical Production II (Practicum) | 1 | C |
| DCE Movement Elective | 2 | C |
| MTC 223: Music Theory: 20th Century | 3 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Term hours subtotal: | 14 | |

- Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.
- DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.
- Courses offered in spring semester only: MTC 223, MUP 272.

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| MUP 311: Studio Instruction | 2 | C |
| MUP 370: Music Theatre V | 2 | C |
| MUP 373: Music Theatre Performance and Production | 1 | C |
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C |
| MUP 360: Musicianship for Singers | 1 | C |
| MUP 471: Audition Training (Musical Theatre) | 1 | C |
| DCE Movement Elective | 2 | C |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Term hours subtotal: | 16 | |

- Students enrolled in MUP 373 must audition for all productions, adhere to departmental audition policies, and may be assigned to assist on technical aspects of music theatre and opera productions.
- DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.
- Courses offered in fall semester only: MUP 360, MUP 370, MUP 471.

| Term 6 75 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| MUP 311: Studio Instruction | 2 | C |
| MUP 373: Music Theatre Performance and Production | 1 | C |

- Students enrolled in MUP 373 must audition for all productions, adhere to departmental

| | | | |
|---|---|---|---|
| ★ | MUP 465: Music Theatre VI | 2 | C |
| ★ | Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C |
| | MUP 451: Music Theatre Repertoire | 2 | C |
| | DCE Movement Elective | 1-2 | C |
| | Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| | Term hours subtotal: | 14-15 | |

audition policies, and may be assigned to assist on technical aspects of music theatre and opera productions.
- DCE electives must be movement classes. For course recommendations, please consult DCE Movement Electives list below.
- Courses offered in spring semester only: MUP 451: Music Theatre Repertoire, MUP 465.
- Certain studios may require an additional semester of repertoire; please check with your studio professor.
- Gather a list of professional references.

| **Term 7 89 - 105 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MUP 311: Studio Instruction | 2 | C | • Students enrolled in MUP 373 must audition for all productions, adhere to departmental audition policies, and may be assigned to assist on technical aspects of music theatre and opera productions.<br>• MUP 466 must be taken twice in sequence (part 1 in fall and part 2 in spring). This course should be taken after DCE electives have been fulfilled.<br>• Courses offered in fall semester only: MUP 470.<br>• Prepare, publicize, and present a public performance. |
| ★ MUP 373: Music Theatre Performance and Production | 1 | C | |
| ★ MUP 470: Music Theatre VII | 2 | C | |
| MUP 466: Broadway Dance | 2 | C | |
| DCE 484: Internship OR MUP 484: Internship OR THP 484: Internship OR DCE OR MUP OR THF OR THP Upper Division Elective | 3 | C | |
| MDC OR MHL OR MSC OR MTC OR MUE OR MUP OR THF OR THP Upper Division Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MUP 311: Studio Instruction | 2 | C | • Students enrolled in MUP 373 must audition for all productions, adhere to departmental audition policies, and may be assigned to assist on technical aspects of music theatre and opera productions.<br>• MUP 466 must be taken twice in sequence (part 1 in fall and part 2 in spring). This course should be taken after DCE electives have been fulfilled.<br>• Courses offered in spring semester only: MUP 472. |
| ★ MUP 373: Music Theatre Performance and Production | 1 | C | |
| ★ MUP 472: Music Theatre VIII | 2 | C | |
| MUP 466: Broadway Dance | 2 | C | |
| DCE OR MUP OR THF OR THP Upper Division Elective | 2 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| DCE Movement Electives | Upper Division MHL (HU) Through Present Time Courses | Upper Division MHL (HU) Courses |
|---|---|---|
| DCE 110: Argentine Tango I | MHL 342: Music History II (HU) | MHL 341: Music History I (HU) |
| DCE 120: Nonmajors Contemporary Modern I | MHL 344: Music in World Cultures (HU & G) | MHL 342: Music History II (HU) |
| DCE 121: Ballet I | | MHL 344: Music in World Cultures (HU & G) |
| DCE 122: Jazz I | | |

DCE 123: Nonmajors Hip Hop I

DCE 124: Latin/Swing/Ballroom I

DCE 125: Afro-Latin Salsa I

DCE 126: Country-Western

DCE 133: Hip Hop I

DCE 134: Contemporary Modern I

DCE 135: Contemporary Ballet I

DCE 136: Introduction to Somatic Movement

DCE 139: Afro-Latin I

DCE 194: Tap

DCE 210: Argentine Tango II

DCE 220: Nonmajors Contemporary Modern II

DCE 221: Ballet II

DCE 224: Latin/Swing/Ballroom II

DCE 225: Afro-Latin/Salsa II

DCE 239: Afro-Latin II

DCE 294: Jazz Practices

DCE 324: Latin/Swing/Ballroom III

DCE 339: Afro-Latin III

DCE 394: Jazz III

DCE 494: Latin/Salsa IV

MUP 494: Music Theatre Dance: Tap I

MUP 494: Music Theatre Dance: Tap II

MHL 365: Popular Music and Race ((L or HU) & C)

MHL 394: Music in the Middle East

MHL 440: Topics in 20th-Century Music (L or HU)

MHL 441: Concerts in the 20th Century (HU)

MHL 445: Music of the Silk Road (HU & G)

MHL 447: Music and Healing (HU & H & G)

MHL 494: Music and Film

MHL 494: Recycled Music: Medieval to Modern

MHL 365: Popular Music and Race ((L or HU) & C)

MHL 394: Music in the Middle East

MHL 440: Topics in 20th-Century Music (L or HU)

MHL 441: Concerts in the 20th Century (HU)

MHL 445: Music of the Silk Road (HU & G)

MHL 447: Music and Healing (HU & H & G)

MHL 494: Music and Film

MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance (Orchestral Instrument), BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSPOBM

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. All first-year students take MUP 101: The ASU School of Music Experience to satisfy the First Year Seminar requirement.<br>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.<br>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 127: Studio Instruction | 4 | C | |
| MUP 442: Instrumental Ensembles | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors.<br>• Courses offered in spring semester only: MTC 221, MUP 132.<br>• Familiarize yourself with information about musicians' health. |
| MUP 442: Instrumental Ensembles | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| MUP 132: Class Piano | 1 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | |
| MUP 442: Instrumental Ensembles | 1 | C | |

| | | |
|---|---|---|
| MTC 222: Music Theory: 19th Century | 3 | C |
| MUP 231: Class Piano | 1 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete MTC 125 AND MUP 131 course(s). | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 16 | |

- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by Term 3 will negatively impact ability to complete degree in four years.
- For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.

| **Term 4** 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 127: Studio Instruction | 4 | C | |
| MUP 442: Instrumental Ensembles | 1 | C | |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| MUP 232: Class Piano | 1 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete MTC 221 AND MUP 132 course(s). | | | |
| Term hours subtotal: | 16 | | |

- For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors.
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in spring semester only: MTC 223, MUP 232.

| **Term 5** 63 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 327: Studio Instruction | 4 | C | |
| MUP 210: Beginning Instrumental Conducting | 1 | C | |
| MUP 442: Instrumental Ensembles | 1 | C | |
| MUP 479: Chamber Music Ensembles | 1 | C | |
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | | |
| Complete MTC 222 AND MUP 231 course(s). | | | |
| Term hours subtotal: | 16 | | |

- For chamber music ensemble requirements, in addition to MUP 479, MUP 485 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.
- MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.
- Course offered in fall semester only: MUP 210.

| **Term 6** 79 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 327: Studio Instruction | 4 | C | |
| MUP 495: Performance | 0 | Y | |
| MUP 442: Instrumental Ensembles | 1 | C | |
| MUP 479: Chamber Music Ensembles | 1 | C | |
| Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |

- For chamber music ensemble requirements, MUP 460 is acceptable for string and wind majors.
- MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.

| | | | |
|---|---|---|---|
| | MHL OR MTC OR MUE OR MUP OR MDC OR MSC Upper Division Elective | 2 | C |
| | Literacy and Critical Inquiry (L) | 3 | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| ★ | Complete MTC 223 AND MUP 232 course(s). | | |
| | Term hours subtotal: | 14 | |

- Gather a list of professional references.

| Term 7 93 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C |
| MUP 442: Instrumental Ensembles | 1 | C |
| MUP 451: Repertoire | 2 | C |
| MUP 479: Chamber Music Ensembles | 1 | C |
| MHL course (L) Upper Division | 3 | C |
| Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship | 3 | |
| Term hours subtotal: | 14 | |

- For chamber music ensemble requirements, MUP 460 is acceptable for string and wind majors.
- MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.
- Certain studios may require an additional semester of repertoire; please check with your studio professor.
- Prepare, publicize, and present a public performance.

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C |
| ★ MUP 496: Performance | 0 | Y |
| MUP 442: Instrumental Ensembles | 1 | C |
| MUP 479: Chamber Music Ensembles | 1 | C |
| MUP 481: Performance Pedagogy and Materials | 2 | C |
| MHL OR MTC OR MUE OR MUP OR MDC OR MSC Upper Division Elective | 3 | C |
| Elective | 2 | |
| Term hours subtotal: | 13 | |

- For chamber music ensemble requirements, MUP 460 is acceptable for string and wind majors.
- MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.

Hide Course List(s)/Track Group(s)

| Upper Division MHL (HU) Through Present Time Courses | Upper Division MHL (HU) Courses |
|---|---|
| MHL 342: Music History II (HU) | MHL 341: Music History I (HU) |
| MHL 344: Music in World Cultures (HU & G) | MHL 342: Music History II (HU) |
| MHL 365: Popular Music and Race ((L or HU) & C) | MHL 344: Music in World Cultures (HU & G) |
| MHL 394: Music in the Middle East | MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 440: Topics in 20th-Century Music (L or HU) | MHL 394: Music in the Middle East |
| MHL 441: Concerts in the 20th Century (HU) | MHL 440: Topics in 20th-Century Music (L or HU) |
| | MHL 441: Concerts in the 20th Century (HU) |

| | |
|---|---|
| MHL 445: Music of the Silk Road (HU & G) | MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) | MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film | MHL 494: Music and Film |
| MHL 494: Recycled Music: Medieval to Modern | MHL 494: Recycled Music: Medieval to Modern |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance (Voice), BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSPVBM

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. All first-year students take MUP 101: The ASU School of Music Experience to satisfy the First-Year Seminar requirement.<br>• Completion of Piano Diagnostic Exam determines placement into Class Piano course.<br>• Students starting in odd-numbered fall semester follow this MUP 250 Diction sequence starting in Term 1: Italian, German, French.<br>• Students starting in even-numbered fall semester follow this MUP 250 Diction sequence starting in Term 3: Italian, German, French.<br>• One year of high school language in Italian, French, or German recommended.<br>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131, MUP 170.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 111: Voice | 2 | C | |
| MUP 443: Choral Ensembles | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| MUP 170: Music Theatre I | 2 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 111: Voice | 2 | C | • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered in spring semester only: MTC 221, MUP 132, MUP 172.<br>• Familiarize yourself with information about musicians' health. |
| MUP 443: Choral Ensembles | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| MUP 132: Class Piano | 1 | C | |
| MUP 172: Music Theatre II | 2 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FRE 101: Elementary French I (G) OR GER 101: Elementary German I (G) OR ITA 101: Elementary Italian I (G) | 4 | C | • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• All students must complete FRE 101, GER 101, & ITA 101. One semester may be waived with review of high school transcript -- see advisor.<br>• MUP 250 sequence: Italian is offered in odd-numbered fall semesters, German is offered in even-numbered spring semesters, and French is offered in even-numbered fall semesters.<br>• Students who start in an even-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 3: Italian, German, French.<br>• Students who start in an odd-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 5: Italian, German, French.<br>• Failure to complete MTC 125 by the end of term 3 will impact ability to complete degree in 4 years.<br>• Courses offered in fall semester only: MTC 222, MUP 231. |
| MUP 111: Voice | 2 | C | |
| MUP 443: Choral Ensembles | 1 | C | |
| MTC 222: Music Theory: 19th Century | 3 | C | |
| MUP 231: Class Piano | 1 | C | |
| MUP 250: Diction for Singers | 1 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete MTC 125 AND MUP 131. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 46 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FRE 101: Elementary French I (G) OR GER 101: Elementary German I (G) OR ITA 101: Elementary Italian I (G) | 4 | C | • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• All students must complete FRE 101, GER 101, & ITA 101. One semester may be waived with review of high school transcript -- see advisor.<br>• Complete required Second Language 101 courses by the end of Term 6.<br>• MUP 250 sequence: Italian is offered in odd-numbered fall semesters, German is offered in even-numbered spring semesters, and French is offered in even-numbered fall semesters.<br>• Courses offered in spring semester only: MTC 223, MUP 232.<br>• Talk to your studio instructor about ways to enhance your performance skills.<br>• Participate in at least two large ensemble performances and perform in studio class. |
| MUP 127: Studio Instruction | 4 | C | |
| MUP 443: Choral Ensembles | 1 | C | |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| MUP 232: Class Piano | 1 | C | |
| MUP 250: Diction for Singers | 1 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete MTC 221 AND MUP 132. | | | |
| Term hours subtotal: | 17 | | |

| Term 5 63 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MUP 327: Studio Instruction | 4 | C | • All students must complete FRE 101, GER 101, & ITA 101. One semester may be |

| | | |
|---|---|---|
| ★ Upper Division MHL - Cross-Historical AND Upper Division Humanities, Arts and Design (HU) | 3 | C |
| FRE 101: Elementary French I (G) OR GER 101: Elementary German I (G) OR ITA 101: Elementary Italian I (G) | 4 | C |
| MUP 250: Diction for Singers | 1 | C |
| MUP 360: Musicianship for Singers | 1 | C |
| MUP 443: Choral Ensembles | 1 | C |
| MUP 481: Performance Pedagogy and Materials OR MUP 451: Opera Repertoire | 2 | C |
| ★ Complete MTC 222 AND MUP 231. | | |
| Term hours subtotal: | 16 | |

waived with review of high school transcript -- see advisor.

- MUP 250 sequence: Italian is offered in odd-numbered fall semesters, German is offered in even-numbered spring semesters, and French is offered in even-numbered fall semesters.
- Students starting in an even-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 3: Italian, German, French.
- Students starting in an odd-numbered fall semester will follow this MUP 250 Diction sequence starting in Term 5: Italian, German, French.
- Students must complete six hours total of Pedagogy and Repertoire courses. MUP 451, MUP 453, and MUP 481 are required.
- Course offered in fall semester only: MUP 451.
- Courses offered in even-numbered fall semesters: MUP 481.

| **Term 6 79 - 93 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • Courses offered in odd-numbered spring semesters: MUP 453.<br>• Gather a list of professional references. |
| ★ MUP 495: Performance | 0 | Y | |
| ★ Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MUP 443: Choral Ensembles | 1 | C | |
| MUP 453: Art Song Repertoire | 2 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Complete MTC 223 AND MUP 232. | | | |
| ★ Complete Second Language 101. | | | |
| Term hours subtotal: | 14 | | |

| **Term 7 93 - 107 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • MHL 440 will fulfill the Upper Division MHL and Literacy requirement and is offered in fall only.<br>• Courses offered in fall semester only: MUP 451.<br>• Courses offered in even-numbered fall semesters: MUP 481. |
| MUP 443: Choral Ensembles OR MUP 458: ASU Gospel Choir | 1 | C | |
| MUP 481: Performance Pedagogy and Materials OR MUP 451: Opera Repertoire | 2 | C | |
| MHL course (L) Upper Division | 3 | C | |
| MUP Upper Division Elective ( MUP 471 recommended) | 1 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| ★ Complete MUP 451 AND MUP 481 course(s). | | | |
| Term hours subtotal: | 14 | | |

| **Term 8 107 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ MUP 327: Studio Instruction | 4 | C | • Prepare, publicize, and present a public performance.<br>• Apply for full-time career opportunities. |
| ★ MUP 496: Performance | 0 | Y | |
| MUP 443: Choral Ensembles OR MUP 458: ASU Gospel Choir | 1 | C | |
| MUP 471: Opera Scenes | 1 | C | |
| Upper Division Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

| Upper Division MHL (HU) Courses |
|---|
| MHL 341: Music History I (HU) |
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Music and Film |
| MHL 494: Recycled Music: Medieval to Modern |

| Upper Division MHL - Cross-Historical Courses |
|---|
| MHL 342: Music History II (HU) |
| MHL 447: Music and Healing (HU & H & G) |
| MHL 494: Recycled Music: Medieval to Modern |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance and Movement - Dance and Theatre, BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIPERMVBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 160: Creative Practices I | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. DCE 170 fulfills this requirement. |
| DCE 170: First-Year Seminar I | 1-2 | C | |
| Physical Practice Course | 2-3 | C | |
| DCE 136: Introduction to Somatic Movement | 2 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 14-16 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 126: Professional Development: Communication and Collaboration | 2 | C | • Students are expected to reach the advanced level (300 level) of at least one of the Physical Practice courses. Plan your Physical Practices courses to be able to do that in Term 6.<br>• Join an organization and/or participate in an off-campus performance project. |
| Physical Practice Course | 2-3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| THF 160: Introduction to Storytelling (HU) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 recommended) | 3 | | |
| Elective | 2 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15-16 | | |

| Term 3 29 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Physical Practice Course | 2-3 | C | |
| DCE 201: Dance, Culture, and Global Contexts (HU) OR DCE 202: Dance in U.S. Popular Culture (HU & C) OR THF 220: Principles of Dramatic Analysis (L or HU) | 3 | C | |
| Creative Practice Course | 3-4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |

| | | | |
|---|---|---|---|
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| | Term hours subtotal: | 15-17 | |

| Term 4 44 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Physical Practice Course | 2-3 | C | • Develop your skills. |
| DCE OR THE OR THF OR THP Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15-16 | | |

| Term 5 59 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Community Engagement and Education Course | 3 | C | • Students are expected to reach the advanced level of one of the Physical Practices next term. |
| Upper Division Production and Technical Course | 1-3 | C | |
| DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15-17 | | |

| Term 6 74 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 397: Professional Development Seminar | 1 | C | • Prepare for your optional internship next semester.<br>• Internships are strongly encouraged. |
| Upper Division History and Context | 3 | C | |
| Upper Division Physical Practice Course | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 90 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 484: Internship OR FMP 484: Internship OR THP 484: Internship OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective OR DCE Upper Division Elective | 3 | C | • If students intend to take DCE 461 as their capstone course in Term 8, then DCE 460 (Upper Division Creative Practice) is required in Term 7; DCE 460 is offered in fall only.<br>• Internships are strongly encouraged. |
| Upper Division Creative Practice | 2-3 | C | |
| DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) ( DCE 405 OR THE 440 recommended) | 3 | | |

| | | | |
|---|---|---|---|
| Elective | 3 | | |
| Term hours subtotal: | 14-15 | | |

| Term 8 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ DCE 461: Transitions II OR THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project | 2-3 | C | • DCE 461 is offered in spring only. |
| DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 2 | | |
| Term hours subtotal: | 16-17 | | |

Hide Course List(s)/Track Group(s)

| Physical Practice Courses |
|---|
| DCE 111: Belly Dance I |
| DCE 120: Nonmajors Contemporary Modern I |
| DCE 121: Ballet I |
| DCE 122: Jazz I |
| DCE 123: Nonmajors Hip Hop I |
| DCE 124: Latin/Swing/Ballroom I |
| DCE 125: Afro-Latin Salsa I |
| DCE 126: Country-Western |
| DCE 133: Hip Hop I |
| DCE 134: Contemporary Modern I |
| DCE 135: Contemporary Ballet I |
| DCE 136: Introduction to Somatic Movement |
| DCE 139: Afro-Latin I |
| DCE 220: Nonmajors Contemporary Modern II |
| DCE 221: Ballet II |
| DCE 222: Jazz II |
| DCE 223: Nonmajors Hip Hop II |
| DCE 224: Latin/Swing/Ballroom II |
| DCE 225: Afro-Latin/Salsa II |
| DCE 233: Hip Hop II |

| Upper Division Physical Practice Courses |
|---|
| DCE 324: Latin/Swing/Ballroom III |
| DCE 333: Hip Hop III |
| DCE 334: Contemporary Modern III |
| DCE 335: Contemporary Ballet III |
| DCE 336: Somatic Movement Development and Facilitation |
| DCE 339: Afro-Latin III |
| IAP 331: Performance, Acting, and the Individual |
| MUP 370: Music Theatre V |
| MUP 465: Music Theatre VI |
| MUP 466: Broadway Dance |
| MUP 470: Music Theatre VII |
| MUP 471: Music Theatre: Workshops |
| MUP 472: Music Theatre VIII |
| THP 301: Acting Mainstage |
| THP 302: Acting V |
| THP 307: Acting: Ten-Minute Plays |
| THP 372: Movement II |
| THP 377: Voice and Speech II |
| THP 387: Acting VI |

| Upper Division Production and Technical Courses |
|---|
| DCE 438: Dance Theatre Performance/Production |
| MUP 373: Music Theatre Performance and Production |
| MUP 374: Music Theatre Technical Production |
| THP 301: Production |
| THP 317: Stage Management |
| THP 331: Costume Construction |
| THP 332: Makeup |
| THP 335: Stagecraft |
| THP 345: Lighting Design |
| THP 350: Sound Design |
| THP 355: Media Design for Performance |
| THP 401: Theatre Practicum |
| THP 435: Technical Direction |
| THP 442: Rendering for Design and Production |
| THP 448: AutoCAD for Live Entertainment |
| THP 449: AutoCAD 3D for Live Entertainment |
| THP 451: Student Production Board II |

DCE 234: Contemporary Modern II

DCE 236: Somatic Movement Applications: A Closer Look

DCE 238: Hip Hop Ensemble

DCE 239: Afro-Latin II

MUP 170: Music Theatre I

MUP 172: Music Theatre II

MUP 270: Music Theatre III

MUP 272: Music Theatre IV

MUS 146: Singing for Nonmajors I

THF 101: Acting Introduction

THP 102: Acting I

THP 202: Acting II: Scene Study

THP 272: Movement I

THP 277: Voice and Speech I

THP 420: Acting: Solo and Collaborative Performance

THP 482: Theatre for Social Change (C)

THP 483: Acting: Viewpoints and Composition

THP 489: Acting: Audition Techniques and Career Development

**Creative Practice Courses**

ART 116: Introduction to Digital Media

ART 216: Contemporary Art in Practice: Methods, Making, Meaning

DCE 161: Creative Practices II

DCE 240: Media for Dance (CS)

DCE 260: Creative Practices III

DCE 261: Creative Practices IV

DCE 262: Rhythmic Theory for Dance I

FMP 201: Film: The Creative Process I (HU)

FMP 255: Media Authorship (CS)

FMP 261: Principles of Screenwriting

FMP 280: Introduction to Film and Media Production

HDA 210: Creativity and Innovation in Design and the Arts

MTC 125: Basic Music Theory

MUS 100: Fundamentals of Music Notation

MUS 145: Nonmajors Class Piano: Beginner

THF 215: Design and Composition for Theatre and Film (HU)

THP 213: Introduction to Technical Theatre

**Upper Division Creative Practices**

ART 443: Performance Art: Actions, Gestures, Journeys

DCE 360: Creative Practices V

DCE 361: Creative Practices VI

DCE 460: Transitions I

DCE 461: Transitions II

IAP 331: Performance, Acting, and the Individual

IAP 333: Directing for Performance

IAP 334: Conceptual Development in the Arts

THP 318: Directing II: Intermediate Directing

THP 330: Costume Design

THP 332: Makeup

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 360: Intermediate Playwriting

THP 420: Acting: Solo and Collaborative Performance

THP 428: Theatre Capstone/Senior Project

THP 440: Advanced Scene Design

**Upper Division Community Engagement and Education Courses**

ART 442: Art and Community

DCE 350: Dance in the Classroom: Learning Through Movement (HU)

DCE 354: Creative Approaches to Teaching Dance I

DCE 356: Creative Approaches to Teaching Dance II

FMP 417: Business and Legal Practices in Entertainment

HDA 310: Socially Engaged Practice

HDA 311: Work and Careers in the Cultural and Creative Industries

HDA 420: Design and the Arts Business Administration

THE 325: Play Reading for Educational Theatre

THE 480: Methods of Teaching Theatre

THP 311: Drama and Education: Performance Methods for Teaching (L)

THP 351: Arts Management

THP 411: Methods of Teaching Drama

THP 450: Theatre Organization and Management

| | | |
|---|---|---|
| THP 214: Introduction to Costuming | THP 455: Advanced Media Design | THP 482: Theatre for Social Change (C) |
| THP 218: Directing I: Introduction to Directing | THP 483: Acting: Viewpoints and Composition | |
| THP 260: Introduction to Dramatic Writing | | |
| Upper Division History and Context | | |
| DCE 300: Dancing Histories (HU) | | |
| DCE 301: Dance Analysis and Theory (L or HU) | | |
| DCE 302: History of American Hip Hop Dance (HU & C) | | |
| DCE 306: History of Salsa: Afro-Latin Social and Global Contexts (HU & C) | | |
| DCE 402: Ethnography of Dance Practices (L) | | |
| DCE 404: Dance and Ethics (L) | | |
| DCE 405: Writing the Creating Body (L or HU) | | |
| THE 320: History of the Theatre I (HU & H) | | |
| THE 321: History of the Theatre II (HU & H) | | |
| THE 322: Theatre History and Culture (HU & H) | | |
| THE 325: Play Reading for Educational Theatre | | |
| THE 421: Shakespeare: Stage and Film (L or HU) | | |
| THE 422: Latinx Theatre and Film (HU & C) | | |
| THE 423: African American Theatre (C) | | |
| THE 426: Pre-Columbian Theatre of the Americas | | |
| THE 429: Studies in European Literature and Culture | | |
| THE 430: History of Fashion I (HU) | | |
| THE 431: History of Fashion II: 20th-Century Fashion | | |
| THE 440: Experimental Theatre and Performance (L) | | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance and Movement - Hip Hop Arts, BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIPERMVBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 133: Hip Hop I | 2 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. DCE 170 fulfills this requirement. |
| DCE 160: Creative Practices I | 3 | C | |
| DCE 170: First-Year Seminar I | 1-2 | C | |
| DCE 136: Introduction to Somatic Movement | 2 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Elective | 2-3 | | |
| Term hours subtotal: | 16-18 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 133: Hip Hop I | 2 | C | • Students are expected to reach the advanced level (300-level) of at least one of the Physical Practices. Plan your Physical Practices courses to be able to do that in Term 6.<br>• Join a student club or organization and/or participate in an off-campus performance project. |
| THF 126: Professional Development: Communication and Collaboration | 2 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| THF 160: Introduction to Storytelling (HU) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 recommended) | 3 | | |
| Elective | 2-3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15-16 | | |

| Term 3 31 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 201: Dance, Culture, and Global Contexts (HU) OR DCE 202: Dance in U.S. Popular Culture (HU & C) OR THF 220: Principles of Dramatic Analysis (L or HU) | 3 | C | |
| DCE 233: Hip Hop II | 2 | C | |
| Creative Practice Course | 3-4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | |
|---|---|---|
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 15-16 | |

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 233: Hip Hop II | 2 | C | • Develop your skills. |
| DCE OR THE OR THF OR THP Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3-4 | | |
| Term hours subtotal: | 15-16 | | |

| Term 5 61 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 238: Hip Hop Ensemble | 1 | C | • Students are expected to reach the advanced level of one of the Physical Practices next term. |
| DCE 333: Hip Hop III | 3 | C | |
| Upper Division Community Engagement and Education Course | 3 | C | |
| Upper Division Production and Technical Course | 1-3 | C | |
| DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 14-16 | | |

| Term 6 75 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 238: Hip Hop Ensemble | 1 | C | • Prepare for your internship (optional) next semester.<br>• Internships are strongly encouraged. |
| DCE 333: Hip Hop III | 3 | C | |
| THF 397: Professional Development Seminar | 1 | C | |
| DCE 302: History of American Hip Hop Dance (HU & C) | 3 | C | |
| Upper Division Physical Practice | 3 | C | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 238: Hip Hop Ensemble | 1 | C | • If students intend to take DCE 461 as their capstone course in Term 8, then DCE 460 (Upper Division Creative Practice) is required in Term 7. DCE 460 is offered in fall only.<br>• DCE 333 is recommended as a DCE Upper Division Elective.<br>• Internships are strongly encouraged. |
| DCE 484: Internship OR FMP 484: Internship OR THP 484: Internship | 3 | C | |
| Upper Division Creative Practice | 2-3 | C | |
| DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective | 3 | C | |

| | | |
|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) ( DCE 405 OR THE 440 recommended) | 3 | |
| Upper Division Elective | 3 | |
| Term hours subtotal: | 15-16 | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ DCE 461: Transitions II OR THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project | 2-3 | C | • DCE 461 is offered in spring only. |
| DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14-15 | | |

Hide Course List(s)/Track Group(s)

| Physical Practice Courses |
|---|
| DCE 111: Belly Dance I |
| DCE 120: Nonmajors Contemporary Modern I |
| DCE 121: Ballet I |
| DCE 122: Jazz I |
| DCE 123: Nonmajors Hip Hop I |
| DCE 124: Latin/Swing/Ballroom I |
| DCE 125: Afro-Latin Salsa I |
| DCE 126: Country-Western |
| DCE 133: Hip Hop I |
| DCE 134: Contemporary Modern I |
| DCE 135: Contemporary Ballet I |
| DCE 136: Introduction to Somatic Movement |
| DCE 139: Afro-Latin I |
| DCE 220: Nonmajors Contemporary Modern II |
| DCE 221: Ballet II |
| DCE 222: Jazz II |
| DCE 223: Nonmajors Hip Hop II |
| DCE 224: Latin/Swing/Ballroom II |
| DCE 225: Afro-Latin/Salsa II |
| DCE 233: Hip Hop II |

| Upper Division Physical Practice Courses |
|---|
| DCE 324: Latin/Swing/Ballroom III |
| DCE 333: Hip Hop III |
| DCE 334: Contemporary Modern III |
| DCE 335: Contemporary Ballet III |
| DCE 336: Somatic Movement Development and Facilitation |
| DCE 339: Afro-Latin III |
| IAP 331: Performance, Acting, and the Individual |
| MUP 370: Music Theatre V |
| MUP 465: Music Theatre VI |
| MUP 466: Broadway Dance |
| MUP 470: Music Theatre VII |
| MUP 471: Music Theatre: Workshops |
| MUP 472: Music Theatre VIII |
| THP 301: Acting Mainstage |
| THP 302: Acting V |
| THP 307: Acting: Ten-Minute Plays |
| THP 372: Movement II |
| THP 377: Voice and Speech II |
| THP 387: Acting VI |

| Production and Technical Courses |
|---|
| DCE 438: Dance Theatre Performance/Production |
| MUP 373: Music Theatre Performance and Production |
| MUP 374: Music Theatre Technical Production |
| THP 301: Production |
| THP 317: Stage Management |
| THP 331: Costume Construction |
| THP 332: Makeup |
| THP 335: Stagecraft |
| THP 345: Lighting Design |
| THP 350: Sound Design |
| THP 355: Media Design for Performance |
| THP 401: Theatre Practicum |
| THP 435: Technical Direction |
| THP 442: Rendering for Design and Production |
| THP 448: AutoCAD for Live Entertainment |
| THP 449: AutoCAD 3D for Live Entertainment |
| THP 451: Student Production Board II |

DCE 234: Contemporary Modern II

DCE 236: Somatic Movement Applications: A Closer Look

DCE 238: Hip Hop Ensemble

DCE 239: Afro-Latin II

MUP 170: Music Theatre I

MUP 172: Music Theatre II

MUP 270: Music Theatre III

MUP 272: Music Theatre IV

MUS 146: Singing for Nonmajors I

THF 101: Acting Introduction

THP 102: Acting I

THP 202: Acting II: Scene Study

THP 272: Movement I

THP 277: Voice and Speech I

THP 420: Acting: Solo and Collaborative Performance

THP 482: Theatre for Social Change (C)

THP 483: Acting: Viewpoints and Composition

THP 489: Acting: Audition Techniques and Career Development

**Creative Practice Courses**

ART 116: Introduction to Digital Media

ART 216: Contemporary Art in Practice: Methods, Making, Meaning

DCE 161: Creative Practices II

DCE 240: Media for Dance (CS)

DCE 260: Creative Practices III

DCE 261: Creative Practices IV

DCE 262: Rhythmic Theory for Dance I

FMP 201: Film: The Creative Process I (HU)

FMP 255: Media Authorship (CS)

FMP 261: Principles of Screenwriting

FMP 280: Introduction to Film and Media Production

HDA 210: Creativity and Innovation in Design and the Arts

MTC 125: Basic Music Theory

MUS 100: Fundamentals of Music Notation

MUS 145: Nonmajors Class Piano: Beginner

THF 215: Design and Composition for Theatre and Film (HU)

THP 213: Introduction to Technical Theatre

**Upper Division Creative Practices**

ART 443: Performance Art: Actions, Gestures, Journeys

DCE 360: Creative Practices V

DCE 361: Creative Practices VI

DCE 460: Transitions I

DCE 461: Transitions II

FMP 300: Short Film Production

IAP 331: Performance, Acting, and the Individual

IAP 333: Directing for Performance

IAP 334: Conceptual Development in the Arts

THP 318: Directing II: Intermediate Directing

THP 330: Costume Design

THP 332: Makeup

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 360: Intermediate Playwriting

THP 420: Acting: Solo and Collaborative Performance

THP 428: Theatre Capstone/Senior Project

**Community Engagement and Education Courses**

ART 442: Art and Community

DCE 350: Dance in the Classroom: Learning Through Movement (HU)

DCE 354: Creative Approaches to Teaching Dance I

DCE 356: Creative Approaches to Teaching Dance II

FMP 417: Business and Legal Practices in Entertainment

HDA 310: Socially Engaged Practice

HDA 311: Work and Careers in the Cultural and Creative Industries

HDA 420: Design and the Arts Business Administration

THE 325: Play Reading for Educational Theatre

THE 480: Methods of Teaching Theatre

THP 311: Drama and Education: Performance Methods for Teaching (L)

THP 351: Arts Management

THP 411: Methods of Teaching Drama

THP 450: Theatre Organization and Management

| | | |
|---|---|---|
| THP 214: Introduction to Costuming | THP 440: Advanced Scene Design | THP 482: Theatre for Social Change (C) |
| THP 218: Directing I: Introduction to Directing | THP 455: Advanced Media Design | |
| THP 260: Introduction to Dramatic Writing | THP 483: Acting: Viewpoints and Composition | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Performance and Movement - Social and Partnership Dance, BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
HIPERMVBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 124: Latin/Swing/Ballroom I OR DCE 125: Afro-Latin Salsa I | 2 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. DCE 170 fulfills this requirement. |
| DCE 160: Creative Practices I | 3 | C | |
| DCE 170: First-Year Seminar I | 1-2 | C | |
| DCE 136: Introduction to Somatic Movement | 2 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 16-17 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 124: Latin/Swing/Ballroom I OR DCE 125: Afro-Latin Salsa I | 2 | C | • Alternate each semester between Latin and Ballroom.<br>• Join a student club or organization, and/or participate in an off-campus performance project. |
| THF 126: Professional Development: Communication and Collaboration | 2 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| THF 160: Introduction to Storytelling (HU) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( DCE 240 OR FMP 255 recommended) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 224: Latin/Swing/Ballroom II OR DCE 225: Afro-Latin/Salsa II | 2 | C | |
| DCE 201: Dance, Culture, and Global Contexts (HU) OR DCE 202: Dance in U.S. Popular Culture (HU & C) OR THF 220: Principles of Dramatic Analysis (L or HU) | 3 | C | |
| Creative Practice Course | 3-4 | C | |

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 15-16 | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 224: Latin/Swing/Ballroom II OR DCE 225: Afro-Latin/Salsa II | 2 | C | • Develop your skills |
| DCE OR THE OR THF OR THP Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 324: Latin/Swing/Ballroom III | 2 | C | • Students are expected to reach the advanced level of one of the Physical Practices next term. |
| Upper Division Community Engagement and Education Course | 3 | C | |
| Upper Division Production and Technical Course | 1-3 | C | |
| DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 12-14 | | |

| Term 6 74 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 324: Latin/Swing/Ballroom III | 2 | C | • Prepare for your internship (optional) next semester.<br>• Internships are strongly encouraged. |
| THF 397: Professional Development Seminar | 1 | C | |
| DCE 306: History of Salsa: Afro-Latin Social and Global Contexts (HU & C) | 3 | C | |
| Upper Division Physical Practice Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 89 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DCE 484: Internship OR FMP 484: Internship OR THP 484: Internship OR DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THP Upper Division Elective OR THF Upper Division Elective | 3 | C | • Internships are strongly encouraged. |
| Upper Division Creative Practice | 2-3 | C | |
| DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective | 3 | C | |

| | | |
|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) ( DCE 405 OR THE 440 recommended) | 3 | |
| Upper Division Elective | 2 | |
| Elective | 3 | |
| Term hours subtotal: | 16-17 | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project | 2-3 | C | |
| DCE Upper Division Elective OR FMP Upper Division Elective OR THE Upper Division Elective OR THF Upper Division Elective OR THP Upper Division Elective | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 4 | | |
| Term hours subtotal: | 15-16 | | |

Hide Course List(s)/Track Group(s)

| Physical Practice Courses |
|---|
| DCE 111: Belly Dance I |
| DCE 120: Nonmajors Contemporary Modern I |
| DCE 121: Ballet I |
| DCE 122: Jazz I |
| DCE 123: Nonmajors Hip Hop I |
| DCE 124: Latin/Swing/Ballroom I |
| DCE 125: Afro-Latin Salsa I |
| DCE 126: Country-Western |
| DCE 133: Hip Hop I |
| DCE 134: Contemporary Modern I |
| DCE 135: Contemporary Ballet I |
| DCE 136: Introduction to Somatic Movement |
| DCE 139: Afro-Latin I |
| DCE 220: Nonmajors Contemporary Modern II |
| DCE 221: Ballet II |
| DCE 222: Jazz II |
| DCE 223: Nonmajors Hip Hop II |
| DCE 224: Latin/Swing/Ballroom II |
| DCE 225: Afro-Latin/Salsa II |
| DCE 233: Hip Hop II |

| Upper Division Physical Practice Courses |
|---|
| DCE 324: Latin/Swing/Ballroom III |
| DCE 333: Hip Hop III |
| DCE 334: Contemporary Modern III |
| DCE 335: Contemporary Ballet III |
| DCE 336: Somatic Movement Development and Facilitation |
| DCE 339: Afro-Latin III |
| IAP 331: Performance, Acting, and the Individual |
| MUP 370: Music Theatre V |
| MUP 465: Music Theatre VI |
| MUP 466: Broadway Dance |
| MUP 470: Music Theatre VII |
| MUP 471: Music Theatre: Workshops |
| MUP 472: Music Theatre VIII |
| THP 301: Acting Mainstage |
| THP 302: Acting V |
| THP 307: Acting: Ten-Minute Plays |
| THP 372: Movement II |
| THP 377: Voice and Speech II |
| THP 387: Acting VI |

| Community Engagement and Education Courses |
|---|
| ART 442: Art and Community |
| DCE 350: Dance in the Classroom: Learning Through Movement (HU) |
| DCE 354: Creative Approaches to Teaching Dance I |
| DCE 356: Creative Approaches to Teaching Dance II |
| FMP 417: Business and Legal Practices in Entertainment |
| HDA 310: Socially Engaged Practice |
| HDA 311: Work and Careers in the Cultural and Creative Industries |
| HDA 420: Design and the Arts Business Administration |
| THE 325: Play Reading for Educational Theatre |
| THE 480: Methods of Teaching Theatre |
| THP 311: Drama and Education: Performance Methods for Teaching (L) |
| THP 351: Arts Management |
| THP 411: Methods of Teaching Drama |
| THP 450: Theatre Organization and Management |
| THP 482: Theatre for Social Change (C) |

DCE 234: Contemporary Modern II

DCE 236: Somatic Movement Applications: A Closer Look

DCE 238: Hip Hop Ensemble

DCE 239: Afro-Latin II

MUP 170: Music Theatre I

MUP 172: Music Theatre II

MUP 270: Music Theatre III

MUP 272: Music Theatre IV

MUS 146: Singing for Nonmajors I

THF 101: Acting Introduction

THP 102: Acting I

THP 202: Acting II: Scene Study

THP 272: Movement I

THP 277: Voice and Speech I

THP 420: Acting: Solo and Collaborative Performance

THP 482: Theatre for Social Change (C)

THP 483: Acting: Viewpoints and Composition

THP 489: Acting: Audition Techniques and Career Development

**Creative Practice Courses**

ART 116: Introduction to Digital Media

ART 216: Contemporary Art in Practice: Methods, Making, Meaning

DCE 161: Creative Practices II

DCE 240: Media for Dance (CS)

DCE 260: Creative Practices III

DCE 261: Creative Practices IV

DCE 262: Rhythmic Theory for Dance I

FMP 201: Film: The Creative Process I (HU)

FMP 255: Media Authorship (CS)

FMP 261: Principles of Screenwriting

FMP 280: Introduction to Film and Media Production

HDA 210: Creativity and Innovation in Design and the Arts

MTC 125: Basic Music Theory

MUS 100: Fundamentals of Music Notation

MUS 145: Nonmajors Class Piano: Beginner

THF 215: Design and Composition for Theatre and Film (HU)

THP 213: Introduction to Technical Theatre

**Upper Division Creative Practices**

ART 443: Performance Art: Actions, Gestures, Journeys

DCE 360: Creative Practices V

DCE 361: Creative Practices VI

DCE 460: Transitions I

DCE 461: Transitions II

FMP 300: Short Film Production

IAP 331: Performance, Acting, and the Individual

IAP 333: Directing for Performance

IAP 334: Conceptual Development in the Arts

THP 318: Directing II: Intermediate Directing

THP 330: Costume Design

THP 332: Makeup

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 360: Intermediate Playwriting

THP 420: Acting: Solo and Collaborative Performance

THP 428: Theatre Capstone/Senior Project

**Production and Technical Courses**

DCE 438: Dance Theatre Performance/Production

MUP 373: Music Theatre Performance and Production

MUP 374: Music Theatre Technical Production

THP 301: Production

THP 317: Stage Management

THP 331: Costume Construction

THP 332: Makeup

THP 335: Stagecraft

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 401: Theatre Practicum

THP 435: Technical Direction

THP 442: Rendering for Design and Production

THP 448: AutoCAD for Live Entertainment

THP 449: AutoCAD 3D for Live Entertainment

THP 451: Student Production Board II

| | |
|---|---|
| THP 214: Introduction to Costuming | THP 440: Advanced Scene Design |
| THP 218: Directing I: Introduction to Directing | THP 455: Advanced Media Design |
| THP 260: Introduction to Dramatic Writing | THP 483: Acting: Viewpoints and Composition |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Theatre, BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FATHEBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THE 125: Orientation to Theatre | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THE 125 Orientation to Theatre required of all first-year theatre majors only.<br>• Students must complete THP 201 for degree. Students may choose between THP 213 or 214.<br>• Interested in the Acting Concentration? Please change your major to Theatre (Acting) so you are following the correct major map.<br>• Interested in the Design & Production Concentration? Please change your major to Theatre (Design & Production) so you are following the correct major map.<br>• Join a student club or professional organization. Get involved in a production. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| THF 160: Introduction to Storytelling (HU) OR THP 102: Acting I | 3 | C | |
| THP 201: Theatre Production Crew OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming | 1-3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Maintain 2.50 GPA in Theatre courses. | | | |
| Term hours subtotal: | 14-16 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 126: Professional Development: Communication and Collaboration | 2 | C | • THF 160 and THP 201 must be completed by the end of Term 3.<br>• Students must complete THP 201 for degree. Students may choose between THP 213 or 214.<br>• Interested in the Acting Concentration? Please change your major to Theatre (Acting) so you are following the correct major map.<br>• Interested in the Design & Production Concentration? Please change your major to Theatre (Design & Production) so you are following the correct major map.<br>• See recommended elective course lists. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| THF 160: Introduction to Storytelling (HU) OR THP 102: Acting I | 3 | C | |
| THP 201: Theatre Production Crew OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming | 3-1 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in Theatre courses. | | | |
| Term hours subtotal: | 14-12 | | |

| Term 3 28 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| THF 215: Design and Composition for Theatre and Film (HU) OR THF 220: Principles of Dramatic Analysis (L or HU) | 3 | C | • THF 215 must be completed by the end of Term 4.<br>• See recommended elective course lists.<br>• Establish career interests, develop soft skills and build a resume.<br>• Deepen involvement in a production, and narrow your focus. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete THF 160 course(s). | | | |
| Complete THP 201 course(s). | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 2.50 GPA in Theatre courses. | | | |
| Term hours subtotal: | 16 | | |

| **Term 4 44 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| THF 215: Design and Composition for Theatre and Film (HU) OR THF 220: Principles of Dramatic Analysis (L or HU) | 3 | C | |
| THP 218: Directing I: Introduction to Directing | 3 | C | |
| THE OR THF OR THP Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete THF 215 course. | | | |
| Complete THP 102 AND THP 213 or THP 214 course(s). | | | |
| Maintain 2.50 GPA in Theatre courses. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 60 - 74 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| THP 301: Theatre Production | 1 | C | • Begin discussion of your career options with your faculty mentor.<br>• Continue to build your resume.<br>• See recommended elective course lists. |
| THE 320: History of the Theatre I (HU & H) | 3 | C | |
| THE OR THF OR THP Elective | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 7 | | |
| Complete THP 218 course(s). | | | |
| Maintain 2.50 GPA in Theatre courses. | | | |
| Term hours subtotal: | 14 | | |

| **Term 6 74 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| THE 321: History of the Theatre II (HU & H) | 3 | C | • For the Upper Division THE Dramatic Literature Course, choose one from THE 421, 422, 423, 426, or 440. If all Literacy requirements for General Studies are completed, then choose any course from the Dramatic Literature track group.<br>• Enroll with your faculty mentor in THF 397 to begin the development of your senior project.<br>• See recommended elective course lists. |
| THF 397: Professional Development Seminar | 1 | C | |
| THE OR THF OR THP Upper Division Elective | 3 | C | |
| Upper Division THE Dramatic Literature Course | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.50 GPA in Theatre courses. | | | |

Term hours subtotal: 16

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ THE 421: Shakespeare: Stage and Film (L or HU) OR THE 440: Experimental Theatre and Performance (L) | 3 | C | • Complete an internship.<br>• Complete a major project in specific area.<br>• See recommended elective course lists. |
| *Complete 3 courses:*<br>THE OR THF OR THP Upper Division Elective | 9 | C | |
| Upper Division Elective OR THP 484: Internship | 3 | | |
| Maintain 2.50 GPA in Theatre courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project | 3-6 | C | • Transfer students complete one additional hour of elective credit in Term 8 to reach 120 hours because THE 125 Orientation to Theatre (Term 1) is not required for transfer students.<br>• Students should choose THP 428 for three credits unless their faculty mentor feels there is a reason to do THF 497.<br>• See recommended elective course lists. |
| *Complete 2 courses:*<br>THE OR THF OR THP Upper Division Elective | 6 | C | |
| THE OR THF OR THP Elective | 3 | C | |
| Elective | 3 | | |
| Maintain 2.50 GPA in Theatre courses. | | | |
| Term hours subtotal: | 15-18 | | |

Hide Course List(s)/Track Group(s)

| THE Dramatic Literature Course | Technology | Dramatic Writing and Dramaturgy |
|---|---|---|
| THE 421: Shakespeare: Stage and Film (L or HU) | THP 216: Stage Technology | THP 260: Introduction to Dramatic Writing |
| THE 422: Latinx Theatre and Film (HU & C) | THP 331: Costume Construction | THP 360: Intermediate Playwriting |
| THE 423: African American Theatre (C) | THP 335: Stagecraft | THE 494: Introduction to Dramaturgy |
| THE 426: Pre-Columbian Theatre of the Americas | THP 394: Pattern Drafting for Theatre | |
| THE 440: Experimental Theatre and Performance (L) | THP 430: Rigging for the Stage | |
| | THP 431: Advanced Costume Construction | |
| | THP 435: Technical Direction | |
| | THP 441: Scene Painting | |
| | THP 453: Sound System Design and Engineering | |
| | THP 494: Materials for the Stage | |
| | THP 494: Menswear Patterning & Construction Techniques | |
| | THP 494: Properties for the Stage | |
| | THP 494: Designing & Mixing a Musical | |
| | THP 494: Recording & Mixing Audio | |
| | THP 494: Advanced Sound Technology | |

| Directing and Devising |
| --- |
| THP 318: Directing II: Intermediate Directing |
| THP 418: Directing III: Advanced Directing |
| THP 494: Acting and Directing Intimate Scenes |
| THP 494: Devising Theatre |

| Voice and Movement |
| --- |
| THP 272: Movement I |
| THP 277: Voice and Speech I |
| THP 372: Movement II |
| THP 377: Voice and Speech II |
| THP 394: Voiceovers |

| Design |
| --- |
| THP 330: Costume Design |
| THP 340: Scene Design |
| THP 345: Lighting Design |
| THP 350: Sound Design |
| THP 355: Media Design for Performance |
| THP 440: Advanced Scene Design |
| THP 445: Advanced Lighting Design |
| THP 455: Advanced Media Design |
| THP 494: Costume Design II |

| Management |
| --- |
| THP 317: Stage Management |
| THP 351: Arts Management |
| THP 450: Theatre Organization and Management |

| Acting |
| --- |
| THP 122: Acting II |
| THP 203: Acting III |
| THP 222: Acting IV |
| THP 302: Acting V |
| THP 387: Acting VI |
| THP 307: Acting: Ten-Minute Plays |
| THP 394: Acting Shakespeare |
| THP 394: Voiceovers |
| THP 494: Devising Theatre |
| THP 494: Acting and Directing Intimate Scenes |

| Drawing/ Drafting |
| --- |
| THP 344: Hand Drafting for the Live Entertainment |
| THP 442: Rendering for Design and Production |
| THP 447: Vectorworks for Live Entertainment |
| THP 448: AutoCAD for Live Entertainment |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.50 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Theatre (Acting), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FATHEABA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THE 125: Orientation to Theatre | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THE 125 Orientation to Theatre fulfills this requirement. |
| THP 272: Movement I OR THP 277: Voice and Speech I | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| THP 102: Acting I | 3 | C | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 126: Professional Development: Communication and Collaboration | 2 | C | • Students who do not pass the acting concentration application and milestone process will be switched to the Theatre BA major. |
| THP 272: Movement I OR THP 277: Voice and Speech I | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| THF 160: Introduction to Storytelling (HU) | 3 | C | |
| THP 122: Acting II | 3 | C | |
| THP 201: Theatre Production Crew | 1 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Milestone: Apply for Acting Concentration during Term 2. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 220: Principles of Dramatic Analysis (L or HU) | 3 | C | • THP 201, and THP 213 or 214 must be completed by the end of Term 4. |
| THP 203: Acting III | 3 | C | |

| | | | |
|---|---|---|---|
| THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming | 3 | C | • Get involved in projects in the School of Music, Dance and Theatre, and prepare for the audition into the Acting Concentration. |
| THP 377: Voice and Speech II OR THP 372: Movement II | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 4** 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 215: Design and Composition for Theatre and Film (HU) | 3 | C | |
| THP 222: Acting IV | 3 | C | |
| THP 377: Voice and Speech II OR THP 372: Movement II | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 5** 62 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THP 218: Directing I: Introduction to Directing | 3 | C | • Begin discussion of career options with your faculty mentor.<br>• Continue to build your resume. |
| THP 301: Theatre Production | 1 | C | |
| THE 320: History of the Theatre I (HU & H) | 3 | C | |
| THP 302: Acting V | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| **Term 6** 76 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 397: Professional Development Seminar | 1 | C | • For the Upper Division THE Dramatic Literature Course, choose one from THE 421, 422, 423, 426, or 440. If all Literacy requirements for General Studies are complete, then choose any course from the Dramatic Literature track group.<br>• Enroll with your faculty mentor in THF 397 to begin the development of your senior project. |
| THE 321: History of the Theatre II (HU & H) | 3 | C | |
| THP 387: Acting VI | 3 | C | |
| Upper Division THE Dramatic Literature Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 7** 92 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ THE 421: Shakespeare: Stage and Film (L or HU) OR THE 440: Experimental Theatre and Performance (L) | 3 | C | • Plan and implement your capstone. Continue building a body of work and materials that are industry standard and that will launch you into your career and/or next project. |
| THP 489: Acting: Audition Techniques and Career Development | 3 | C | |
| Upper Division THP Acting Elective | 3 | C | |
| Upper Division Elective OR THP 484: Internship | 3 | | |
| Elective | 4 | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project | 3 | C | • Transfer students complete one additional hour of elective credit in Term 8 to reach 120 hours because THE 125 Orientation Theatre (Term 1) is not required for transfer students. |
| Upper Division THP Acting Elective | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| THE Dramatic Literature Course |
|---|
| THE 421: Shakespeare: Stage and Film (L or HU) |
| THE 422: Latinx Theatre and Film (HU & C) |
| THE 423: African American Theatre (C) |
| THE 426: Pre-Columbian Theatre of the Americas |
| THE 440: Experimental Theatre and Performance (L) |

| THP Acting Electives |
|---|
| THP 301: Acting Mainstage |
| THP 307: Acting: Ten-Minute Plays |
| THP 394: Acting Shakespeare |
| THP 394: Voiceovers |
| THP 420: Acting: Solo and Collaborative Performance |
| THP 483: Acting: Viewpoints and Composition |
| THP 494: Acting and Directing Intimate Scenes |
| THP 494: Devising Theatre |
| THP 494: Film Director: Actor Collaboration Lab |

| Suggested Electives |
|---|
| THP 260: Introduction to Dramatic Writing |
| THP 360: Intermediate Playwriting |
| THE 494: Introduction to Dramaturgy |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Theatre (Design and Production), BA

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FADSNPRBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THE 125: Orientation to Theatre | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. THE 125 Orientation to Theatre required of all first-year Theatre majors only.<br>• Develop and build upon a resume. Start collecting portfolio items and/or images. |
| THF 160: Introduction to Storytelling (HU) OR THP 102: Acting I | 3 | C | |
| THP 201: Theatre Production Crew | 1 | C | |
| THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 126: Professional Development: Communication and Collaboration | 2 | C | |
| THF 160: Introduction to Storytelling (HU) OR THP 102: Acting I | 3 | C | |
| THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete THP 201 course(s). | | | |
| Milestone: Successful completion of Concentration Progress Review. | | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 29 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| THF 215: Design and Composition for Theatre and Film (HU) | 3 | C | |

| | | | |
|---|---|---|---|
| | THP 301: Theatre Production | 1 | C |
| | Upper Division Design & Production Core Course | 3 | C |
| | Design & Production Concentration Elective | 3 | C |
| | Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| | Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| ! | Complete Mathematics (MA) requirement. | | |
| | Complete First-Year Composition requirement. | | |
| | Maintain 3.00 GPA in Theatre courses. | | |
| | Minimum 2.50 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 17 | |

- THP 102 must be completed by the end of Term 4.
- Continue to develop a portfolio. Start building a website.
- Discuss Production Assignment with Design & Production mentor.
- Recommend THP 216 for the Design & Production Concentration Elective

| Term 4 46 - 62 Credit Hours Critical course signified by ! | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ! THF 220: Principles of Dramatic Analysis (L or HU) | 3 | C | • Discuss Production Assignment with Design & Production mentor. |
| THP 301: Theatre Production | 1 | C | |
| Upper Division Design & Production Core Course | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ THP 301: Theatre Production OR THP 401: Theatre Practicum OR THP 498: Pro-Seminar | 1-3 | C | • Start looking for professional internships or jobs.<br>• Begin discussions of career options with your faculty mentor.<br>• Discuss Production Assignment with Design & Production mentor. |
| THE 320: History of the Theatre I (HU & H) | 3 | C | |
| THP 218: Directing I: Introduction to Directing | 3 | C | |
| Upper Division Design & Production Core Course | 3 | C | |
| Design & Production Concentration Elective | 3 | C | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16-18 | | |

| Term 6 78 - 92 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ THF 397: Professional Development Seminar | 1 | C | • For the Upper Division THE Dramatic Literature Course, choose one course from the list below.<br>• Discuss Production Assignment with Design & Production mentor.<br>• Enroll with your mentor in THF 397 to begin the development of your senior project. |
| ★ THE 321: History of the Theatre II (HU & H) | 3 | C | |
| THP 301: Theatre Production OR THP 401: Theatre Practicum OR THP 498: Pro-Seminar | 1-3 | C | |
| Upper Division Design & Production Core Course | 3 | C | |
| Upper Division THE Dramatic Literature Course | 3 | C | |
| Elective | 3 | | |
| ★ Complete THP 218 course(s). | | | |

| | | | |
|---|---|---|---|
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| | Milestone: Successful completion of Portfolio Review | | |
| | Maintain 3.00 GPA in Theatre courses. | | |
| | Minimum 2.50 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 14-16 | |

| Term 7 92 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ THE 421: Shakespeare: Stage and Film (L or HU) OR THE 440: Experimental Theatre and Performance (L) | 3 | C | • Apply for professional jobs or graduate school.<br>• Discuss Production Assignment with Design & Production mentor. |
| ★ THP 301: Theatre Production OR THP 401: Theatre Practicum OR THP 498: Pro-Seminar | 1-3 | C | |
| *Complete 2 courses:* Upper Division Design & Production Concentration Elective | 6 | C | |
| Upper Division Elective | 2 | | |
| Elective OR THP 484: Internship | 3 | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15-17 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ THF 497: Senior Project OR THP 428: Theatre Capstone/Senior Project | 1-3 | C | • Transfer students complete one additional hour of elective credit in Term 8 to reach 120 hours because THE 125 Orientation to Theatre (Term 1) is not required for transfer students. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Milestone: Successful completion of Portfolio Review | | | |
| Maintain 3.00 GPA in Theatre courses. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 13-15 | | |

Hide Course List(s)/Track Group(s)

| THE Dramatic Literature Course (1 course; 3 credits) | Design & Production Concentration Electives (minimum 12 credits) | Upper Division Design & Production Core (Choose 1 course from 4 different categories; 12 credits total) |
|---|---|---|
| THE 421: Shakespeare: Stage and Film (L or HU) | Design: | **Arts Management:** |
| THE 422: Latinx Theatre and Film (HU & C) | THP 330: Costume Design | THP 351: Arts Management |
| THE 423: African American Theatre (C) | THP 340: Scene Design | **Costume Design:** |
| THE 426: Pre-Columbian Theatre of the Americas | THP 345: Lighting Design | THP 330: Costume Design |
| THE 440: Experimental Theatre and Performance (L) | THP 350: Sound Design | **Costume Technology:** |
| | THP 355: Media Design for Performance | THP 331: Costume Construction |
| | THP 440: Advanced Scene Design | **Drawing:** |
| | THP 445: Advanced Lighting Design | |

THP 455: Advanced Media Design

THP 494: Costume Design II

Technology:

THP 216: Stage Technology

THP 331: Costume Construction

THP 335: Stagecraft

THP 394: Pattern Drafting for Theatre

THP 430: Rigging for the Stage

THP 431: Advanced Costume Construction

THP 435: Technical Direction

THP 441: Scene Painting

THP 453: Sound System Design and Engineering

THP 494: Materials for the Stage

THP 494: Menswear Patterning & Construction Techniques

THP 494: Properties for the Stage

THP 494: Designing & Mixing a Musical

THP 494: Recording & Mixing Audio

THP 494: Advanced Sound Technology

Management:

THP 317: Stage Management

THP 351: Arts Management

THP 450: Theatre Organization and Management

Drawing/ Drafting:

THP 344: Hand Drafting for the Live Entertainment

THP 442: Rendering for Design and Production

THP 447: Vectorworks for Live Entertainment

THP 448: AutoCAD for Live Entertainment

Production:

THP 301: Theatre Production

THP 401: Production

THP 401: Advanced Technical Theatre

THP 401: Costume Construction

THP 401: Lighting, Sound, and Media

THP 344: Hand Drafting for the Live Entertainment

THP 442: Rendering for Design and Production

**Electrics Technology:**

THP 453: Sound System Design and Engineering

**Lighting Design:**

THP 345: Lighting Design

**Management:**

THP 317: Stage Management

**Media Design:**

THP 355: Media Design for Performance

**Scenic Design:**

THP 340: Scene Design

**Scenic Technology:**

THP 335: Stagecraft

**Sound Design:**

THP 350: Sound Design

| |
|---|
| THP 401: Stage Management |
| THP 498: Costume Design |
| THP 498: Design Practicum |
| THP 498: Lighting Design |
| THP 498: Media Design Practicum |
| THP 498: Props Master |
| THP 498: Scenic Design |
| THP 498: Sound Design |
| THP 498: Stage Management |
| THP 498: Technical Direction |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Theory and Composition (Composition), BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSTCBM

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101: The ASU School of Music Experience required of all first-year students.<br>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.<br>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Students that passed an instrumental audition should enroll in the MUP Studio Instruction class in which they were placed; students that did not pass the audition should enroll in MTC 294: Instrumentation.<br>• Courses offered in fall semester only: MTC 125, MTC 294, MUP 101, MUP 131.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MTC 123: Beginning Composition | 1 | C | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| MTC 294: Instrumentation OR MTC Elective OR MUE 3** Elective OR MUP 111: Studio Instruction OR MUP 121: Studio Instruction OR MUP 311: Studio Instruction OR MUP 321: Studio Instruction | 2 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTC 123: Beginning Composition | 1 | C | • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Student that passed an instrumental audition should enroll in the MUP Studio Instruction class in which they were placed; students that did not pass the audition should enroll in a MTC or MUE elective.<br>• Courses offered in spring semester only: MTC 221, MUP 132.<br>• Familiarize yourself with information about musicians' health. |
| MTC 221: Music Theory: 18th Century | 3 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MUP 132: Class Piano | 1 | C | |
| MTC Elective OR MUE 3** Elective OR MUP 111: Studio Instruction OR MUP 121: Studio Instruction OR MUP 311: Studio Instruction OR MUP 321: Studio Instruction | 2 | C | |

| | | |
|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 14 | |

| Term 3 29 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTC 123: Beginning Composition | 1 | C | • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Students that passed an instrumental audition should enroll in the MUP Studio Instruction class in which they were placed; students that did not pass the audition should enroll in a MTC or MUE elective (Students that did not take MTC 294: Instrumentation in term 1 should enroll in the class).<br>• Courses offered in fall semester only: MTC 222, MTC 294, MUP 231.<br>• Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.<br>• Develop a network of student performers who can read and perform your works. |
| MTC 222: Music Theory: 19th Century | 3 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| MUP 231: Class Piano | 1 | C | |
| MTC 294: Instrumentation OR MTC Elective OR MUE 3** Elective OR MUP 111: Studio Instruction OR MUP 121: Studio Instruction OR MUP 311: Studio Instruction OR MUP 321: Studio Instruction | 2 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete MUP 131. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 44 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTC 123: Beginning Composition | 1 | C | • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Students that passed an instrumental audition should enroll in the MUP Studio Instruction class in which they were placed; students that did not pass the audition should enroll in a MTC or MUE elective.<br>• Courses offered in spring semester only: MTC 223, MTC 321 (even numbered spring semesters only), MUP 232. |
| MTC 223: Music Theory: 20th Century | 3 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| MTC 321: Tonal Counterpoint | 2 | C | |
| MUP 232: Class Piano | 1 | C | |
| MTC Elective OR MUE 3** Elective OR MUP 111: Studio Instruction OR MUP 121: Studio Instruction OR MUP 311: Studio Instruction OR MUP 321: Studio Instruction | 2 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete MUP 132. | | | |
| Term hours subtotal: | 17 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTC 323: Composition | 3 | C | • Complete one semester of conducting by end of Term 6; students may choose either MUP 209 or MUP 210.<br>• Courses offered in fall semester only: MTC 320 (odd numbered fall semesters only), MTC 327 (even numbered fall semesters only), MUP 210. |
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MTC 320: Modal Counterpoint | 2 | C | |
| MTC 327: Intermediate Form and Analysis | 3 | C | |
| MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting | 1 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |

| | | |
|---|---|---|
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective | 2 | C |
| ★ Complete MUP 231. | | |
| Term hours subtotal: | 15 | |

| Term 6 76 - 92 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MTC 323: Composition | 3 | C | • Course offered in spring semester only: MTC 433.<br>• Gather a list of professional references. |
| ★ MTC 433: Orchestration | 3 | C | |
| ★ Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Complete MUP 209 OR MUP 210. | | | |
| ★ Complete MUP 232. | | | |
| Term hours subtotal: | 16 | | |

| Term 7 92 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MTC 323: Composition | 3 | C | • Courses offered in fall semester only: MTC 425, MTC 436. |
| MTC 425: Studies in 20th- and 21st-Century Theory | 3 | C | |
| MTC 436: Electronic Studio Techniques I | 2 | C | |
| MHL course (L) Upper Division | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MTC 323: Composition | 3 | C | • Prepare, publicize, and present a public performance. |
| ★ MTC 495: Final Project | 0 | Y | |
| MTC Upper Division Elective OR MTC 484: Internship | 3 | C | |
| *Complete 3 courses:* MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective | 8-9 | C | |
| Term hours subtotal: | 14-15 | | |

Hide Course List(s)/Track Group(s)

| 4** (400-Level) MUP Ensembles Course List | Upper Division MHL (HU) Through Present Time Course List | Upper Division MHL (HU) Course List |
|---|---|---|
| MUP 442: Instrumental Ensembles | MHL 342: Music History II (HU) | MHL 341: Music History I (HU) |
| MUP 443: Choral Ensembles | MHL 344: Music in World Cultures (HU & G) | MHL 342: Music History II (HU) |
| MUP 444: Maroon and Gold Concert Band | MHL 365: Popular Music and Race ((L or HU) & C) | MHL 344: Music in World Cultures (HU & G) |
| MUP 450: Choral Union | | |
| MUP 455: Arizona Statesmen | | |

MUP 457: Sol Singers

MUP 458: ASU Gospel Choir

MUP 476: New Music Ensemble

MUP 479: Baroque Ensemble

MUP 479: Bass

MUP 479: Brass Chamber Ensembles

MUP 479: Flute Choir

MUP 479: Guitar Ensemble

MUP 479: Piano Ensemble

MUP 479: Piano/String/Woodwind/Brass

MUP 479: Saxophone Choir

MUP 479: Small Saxophone Ensembles

MUP 479: Strings

MUP 479: Trombone Ensemble

MUP 479: Tuba Ensemble

MUP 479: Woodwinds

MUP 485: Percussion Ensemble

MUP 486: Concert Jazz Band

MUP 486: Jazz Repertory Band

MUP 486: Latin Jazz Ensemble

MUP 489: Ethnomusicology Ensembles

MHL 394: Music in the Middle East

MHL 440: Topics in 20th-Century Music (L or HU)

MHL 441: Concerts in the 20th Century (HU)

MHL 445: Music of the Silk Road (HU & G)

MHL 447: Music and Healing (HU & H & G)

MHL 494: Music and Film

MHL 494: Recycled Music: Medieval to Modern

MHL 365: Popular Music and Race ((L or HU) & C)

MHL 394: Music in the Middle East

MHL 440: Topics in 20th-Century Music (L or HU)

MHL 441: Concerts in the 20th Century (HU)

MHL 445: Music of the Silk Road (HU & G)

MHL 447: Music and Healing (HU & H & G)

MHL 494: Music and Film

MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Theory and Composition (Theory), BMUS

School/College: Herberger Institute for Design and the Arts
Location: Tempe
FAMUSTTBM

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Milestone: Music students must successfully complete an entrance audition into the major before enrolling at ASU. | | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. MUP 101: The ASU School of Music Experience required of all first-year students.<br>• Completion of Piano Diagnostic Exam determines placement into Class Piano courses.<br>• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.<br>• Complete a resume in MUP 101. |
| Milestone: Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music, Dance and Theatre courses. | | | |
| MTC 125: Basic Music Theory | 3 | C | |
| MUP 101: The ASU School of Music Experience | 1 | C | |
| MUP 111: Studio Instruction | 2 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MUP 131: Class Piano | 1 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTC 221: Music Theory: 18th Century | 3 | C | • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.<br>• Courses offered in spring semester only: MTC 221, MUP 132.<br>• Career Milestone: Familiarize yourself with information about musicians' health. |
| MUP 111: Studio Instruction | 2 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MHL 140: Sounds and Cultures (HU & G) | 3 | C | |
| MUP 132: Class Piano | 1 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MTC 222: Music Theory: 19th Century | 3 | C |
| MUP 111: Studio Instruction | 2 | C |
| 4** (400-Level) MUP Music Ensemble | 1 | C |
| MUP 231: Class Piano | 1 | C |
| Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete MUP 131. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 17 | |

- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills, and about appropriate ensemble and performance experiences.
- Select a faculty mentor to guide your degree work.

| **Term 4 47 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MTC 223: Music Theory: 20th Century | 3 | C | |
| MUP 111: Studio Instruction | 2 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| MTC 321: Tonal Counterpoint | 2 | C | |
| MUP 232: Class Piano | 1 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete MUP 132. | | | |
| Term hours subtotal: | 16 | | |

- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in spring semester only: MTC 223, MTC 321 (even numbered spring semesters only), MUP 232.

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division MHL Through Present Time Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MTC 320: Modal Counterpoint | 2 | C | |
| MTC 327: Intermediate Form and Analysis | 3 | C | |
| MTC 425: Studies in 20th- and 21st-Century Theory | 3 | C | |
| MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting | 1 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| MTC Upper Division Elective | 2-3 | C | |
| Complete MUP 231. | | | |
| Term hours subtotal: | 15-16 | | |

- Complete one semester of conducting by end of Term 6; students may choose either MUP 209 or MUP 210.
- Courses offered in fall semester only: MTC 320 (odd numbered fall semesters only), MTC 327 (even numbered fall semesters only), MTC 425, MUP 210.

| **Term 6 78 - 92 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division MHL Course AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| MTC 428: Advanced Form and Analysis | 3 | C | |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 1 | C | |

- Courses offered in spring semester only: MTC 428 (odd numbered spring semesters only).
- Gather a list of professional references.
- MTC 496 may be taken in Term 6 or Term 7 instead of Term 8. Consult theory faculty to discuss advantages/disadvantages.

| | | |
|---|---|---|
| MTC Upper Division Elective | 3 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| ★ Complete MUP 209 OR MUP 210. | | |
| ★ Complete MUP 232. | | |
| Term hours subtotal: | 14 | |

| Term 7 92 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MHL OR MTC Upper Division Elective | 3 | C | • MHL 438 or MHL 440 (fall only) recommended to complete the Upper Division MHL elective and Upper Division Literacy and Critical Inquiry general studies requirement. |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| MHL course (L) Upper Division | 3 | C | |
| MHL OR MTC OR MUP OR MUE OR MDC OR MSC Upper Division Elective | 2-3 | C | |
| *Complete 2 courses:* MTC Upper Division Elective | 5-6 | C | |
| Term hours subtotal: | 14-16 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MTC 496: Theory Project | 3 | C | • Complete a capstone project. |
| 4** (400-Level) MUP Music Ensemble | 1 | C | |
| MTC Upper Division Elective | 3 | C | |
| *Complete 2 courses:* MHL OR MTC OR MUP OR MUE OR MDC OR MSC Elective | 4-5 | C | |
| Elective OR MDC 484: Internship OR MHL 484: Internship OR MSC 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship | 3 | | |
| Term hours subtotal: | 14-15 | | |

Hide Course List(s)/Track Group(s)

| 4** (400-Level) MUP Ensembles Course List |
|---|
| MUP 442: Instrumental Ensembles |
| MUP 443: Choral Ensembles |
| MUP 444: Maroon and Gold Concert Band |
| MUP 450: Choral Union |
| MUP 455: Arizona Statesmen |
| MUP 457: Sol Singers |
| MUP 458: ASU Gospel Choir |
| MUP 476: New Music Ensemble |
| MUP 479: Baroque Ensemble |
| MUP 479: Bass |

| Upper Division MHL (HU) Through Present Time Course List |
|---|
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |

| Upper Division MHL (HU) Course List |
|---|
| MHL 341: Music History I (HU) |
| MHL 342: Music History II (HU) |
| MHL 344: Music in World Cultures (HU & G) |
| MHL 365: Popular Music and Race ((L or HU) & C) |
| MHL 394: Music in the Middle East |
| MHL 440: Topics in 20th-Century Music (L or HU) |
| MHL 441: Concerts in the 20th Century (HU) |
| MHL 445: Music of the Silk Road (HU & G) |
| MHL 447: Music and Healing (HU & H & G) |

MUP 479: Brass Chamber Ensembles

MUP 479: Clarinet Choir

MUP 479: Flute Choir

MUP 479: Guitar Ensemble

MUP 479: Piano Ensemble

MUP 479: Piano/String/Woodwind/Brass

MUP 479: Saxophone Choir

MUP 479: Small Saxophone Ensembles

MUP 479: Strings

MUP 479: Trombone Ensemble

MUP 479: Tuba Ensemble

MUP 479: Woodwinds

MUP 485: Percussion Ensemble

MUP 486: Concert Jazz Band

MUP 486: Jazz Repertory Band

MUP 486: Latin Jazz Ensemble

MUP 489: Ethnomusicology Ensembles

MHL 494: Music and Film

MHL 494: Recycled Music: Medieval to Modern

MHL 494: Music and Film

MHL 494: Recycled Music: Medieval to Modern

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Aeronautical Management Technology (Air Traffic Management), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
ESAMTATBS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 182: Private Pilot Ground School | 3 | C | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community. |
| ASU 101-TPS: The ASU Experience | 1 | | |
| AMT 220: Aviation Meteorology | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 201: Air Traffic Control | 3 | C | • Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| PHY 111: General Physics (SQ) | 3 | C | |
| PHY 113: General Physics Laboratory (SQ) | 1 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 29 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ATC 230: Fundamentals of Air Traffic Management | 3 | C | • Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit. |
| AMT 222: Instrument Pilot Ground School | 3 | C | |
| AMT 280: Aerospace Structures, Materials and Systems | 4 | C | |
| PHY 112: General Physics (SQ) | 3 | | |
| PHY 114: General Physics Laboratory (SQ) | 1 | | |
| Complete MAT 170 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 14 |

| Term 4 43 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 214: Commercial Pilot Ground School | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| AMT 287: Aircraft Powerplants | 4 | C | |
| HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete AMT 222 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 360: Aircraft Dispatch Ground School | 3 | C | • Network at student organization competitions or professional societies. |
| AMT 308: Air Transportation (G) | 3 | C | |
| AMT 350: Aircraft Design and Logistics Management | 4 | C | |
| ATC 331: Tower Operations | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) ( HST 319 recommended) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 75 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 460: Aircraft Dispatch Capstone | 3 | C | • Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| AMT 396: Aviation Professional | 1 | C | |
| AMT 408: National Aviation Policy | 3 | C | |
| AMT 442: Aviation Law and Regulations | 3 | C | |
| ATC 332: TRACON Operations | 3 | C | |
| ATC 431: Tower Operations and Procedures | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ATC 333: En Route Operations | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| AMT 410: Aviation Safety and Human Factors | 3 | C | |
| ATC 432: TRACON Operations and Procedures | 3 | C | |
| ATC 484: Internship | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ATC 491: Air Traffic Management Capstone | 3 | C | |
| AMT 444: Airport Management and Planning | 3 | C | |
| ATC 433: En Route Operations and Procedures | 3 | C | |

| | |
|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 |
| Elective | 2 |
| Term hours subtotal: | 14 |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Aeronautical Management Technology (Air Transportation Management), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSAMTMBS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 182: Private Pilot Ground School | 3 | C | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-TPS: The ASU Experience | 1 | | |
| AMT 220: Aviation Meteorology | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| AMT 201: Air Traffic Control | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| PHY 111: General Physics (SQ) | 3 | C | |
| PHY 113: General Physics Laboratory (SQ) | 1 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 29 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TMC 110: Understanding the Enterprise | 3 | C | • Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.<br>• Prep for success using the Sophomore Guide . |
| AMT 280: Aerospace Structures, Materials and Systems | 4 | C | |
| PHY 112: General Physics (SQ) | 3 | | |
| PHY 114: General Physics Laboratory (SQ) | 1 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete MAT 170 course(s). | | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 43 - 58 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| AMT 287: Aircraft Powerplants | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 15 | | |

| Term 5 58 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TMC 330: Leading the Enterprise | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| AMT 308: Air Transportation (G) | 3 | C | |
| AMT 350: Aircraft Design and Logistics Management | 4 | C | |
| AMT 442: Aviation Law and Regulations | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) ( HST 319 recommended) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 74 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TMC 310: Promotion of the Enterprise | 3 | C | • Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| AMT 396: Aviation Professional | 1 | C | |
| TMC 410: Enterprise Operations | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 408: National Aviation Policy | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in-person or virtual practice interview. |
| AMT 410: Aviation Safety and Human Factors | 3 | C | |
| AMT 444: Airport Management and Planning | 3 | C | |
| OMT 343: Occupational Safety and Ergonomics OR OMT 430: Ethical Issues in Technology OR OMT 440: International Business (G) OR OMT 452: Industrial Human Resource Management OR OMT 480: Organizational Effectiveness | 3 | | |
| TMC 430: Enterprise Strategy and Innovation | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 491: Aviation Management Capstone | 3 | C | |
| AMT 456: Organized Labor in Aviation | 3 | C | |

| | | |
|---|---|---|
| AMT 484: Internship | 3 | C |
| AMT 489: Airline Administration | 3 | C |
| TMC 470: Enterprise Planning and Implementation | 3 | |
| Term hours subtotal: | 15 | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Aeronautical Management Technology (Professional Flight), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSAMTFBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 182: Private Pilot Ground School | 3 | C | • Complete Professional Flight Secondary Application.<br>• ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| AMT 220: Aviation Meteorology | 3 | C | |
| ASU 101-TPS: The ASU Experience | 1 | | |
| AMT 105: Flight Operations and Safety I | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Milestone: Complete secondary admission materials. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.<br>• Professional Flight students are encouraged to continue to progress in flight courses over the summer session.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| AMT 110: Flight Operations and Safety II | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PHY 111: General Physics (SQ) | 3 | C | |
| PHY 113: General Physics Laboratory (SQ) | 1 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 28 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 222: Instrument Pilot Ground School | 3 | C | • Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.<br>• Prep for success using the Sophomore Guide . |
| AMT 150: Flight Operations and Safety III | 1 | C | |
| AMT 201: Air Traffic Control | 3 | C | |
| AMT 280: Aerospace Structures, Materials and Systems | 4 | C | |
| PHY 112: General Physics (SQ) | 3 | | |

| | | |
|---|---|---|
| PHY 114: General Physics Laboratory (SQ) | 1 | |
| Complete MAT 170 course(s). | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 43 - 55 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 214: Commercial Pilot Ground School | 3 | C | • Professional Flight students are encouraged to continue to progress in flight courses over the summer session.<br>• Pursue an undergraduate research experience .<br>• Apply for internships.<br>• Attend career fairs and events. |
| AMT 205: Flight Operations and Safety IV | 1 | C | |
| AMT 286: Multiengine Pilot Ground School | 1 | C | |
| AMT 287: Aircraft Powerplants | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 12 | | |

| Term 5 55 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 308: Air Transportation (G) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| AMT 210: Flight Operations and Safety V | 1 | C | |
| AMT 285: Flight Instructor Ground School | 3 | C | |
| AMT 350: Aircraft Design and Logistics Management | 4 | C | |
| HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( HST 319 recommended) | 3 | | |
| Term hours subtotal: | 17 | | |

| Term 6 72 - 86 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 382: Air Navigation | 3 | C | • Professional Flight students are encouraged to continue to progress in flight courses over the summer session.<br>• Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| AMT 250: Flight Operations and Safety VI | 1 | C | |
| AMT 292: Flight Instructor Instrument Ground School | 3 | C | |
| AMT 396: Aviation Professional | 1 | C | |
| AMT 442: Aviation Law and Regulations | 3 | C | |
| AMT 444: Airport Management and Planning | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 86 - 102 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 482: Airline Instrument Procedures | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| AMT 486: Regional Jet Aircraft Systems | 3 | C | |
| AMT 305: Flight Operations and Safety VII | 1 | C | |
| AMT 360: Aircraft Dispatch Ground School | 3 | C | |
| AMT 408: National Aviation Policy | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 8 102 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AMT 490: Regional Jet Operations Capstone | 3 | C | |
| AMT 410: Aviation Safety and Human Factors | 3 | C | |
| AMT 484: Internship | 2 | C | |
| AMT 489: Airline Administration | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective ( AMT 310 recommended) | 1 | | |
| Term hours subtotal: | 18 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Aeronautical Management Technology (Unmanned Aerial Systems), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSAMTUASBS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 182: Private Pilot Ground School | 3 | C | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-TPS: The ASU Experience | 1 | | |
| AMT 220: Aviation Meteorology | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 170: Introduction to Unmanned Aircraft Systems | 3 | C | • Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| PHY 111: General Physics (SQ) | 3 | C | |
| PHY 113: General Physics Laboratory (SQ) | 1 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 29 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 270: Unmanned Aircraft | 3 | C | • Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit.<br>• Prep for success using the Sophomore Guide . |
| AMT 280: Aerospace Structures, Materials and Systems | 4 | C | |
| PHY 112: General Physics (SQ) | 3 | | |
| PHY 114: General Physics Laboratory (SQ) | 1 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete MAT 170 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 14 |

| Term 4 43 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 201: Air Traffic Control | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| AMT 287: Aircraft Powerplants | 4 | C | |
| HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 308: Air Transportation (G) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| AMT 350: Aircraft Design and Logistics Management | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 6 75 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 370: Unmanned Aircraft Systems | 3 | C | • Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| AMT 396: Aviation Professional | 1 | C | |
| AMT 442: Aviation Law and Regulations | 3 | C | |
| AMT 444: Airport Management and Planning | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) ( HST 319 recommended) | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 91 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 470: Unmanned Aircraft Payloads, Sensors, and Control Stations | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| AMT 408: National Aviation Policy | 3 | C | |
| AMT 456: Organized Labor in Aviation | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective ( EDP 310 recommended) | 1 | | |
| Term hours subtotal: | 13 | | |

| Term 8 104 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMT 495: Unmanned Aircraft Systems Operations | 3 | C | |
| AMT 410: Aviation Safety and Human Factors | 3 | C | |
| AMT 484: Internship | 3 | C | |
| AMT 489: Airline Administration | 3 | C | |

| | | |
|---|---|---|
| Elective | 4 | |
| Term hours subtotal: | 16 | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Aerospace Engineering (Aeronautics), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESAEROBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• FSE 100 required for first-year students and should be completed in the first semester. Non-first-year students: see advisor for petitioning replacement electives.<br>• If ENG 105 is taken, a three hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-AEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAE 215: Introduction to Programming in MATLAB | 1 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAE 201: Mechanics of Particles and Rigid Bodies I: Statics | 3 | C |
| MAT 267: Calculus for Engineers III (MA) | 3 | C |
| MAT 275: Modern Differential Equations (MA) | 3 | C |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| MAE 214: Computer-Aided Engineering I | 1 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Complete CHM 114 OR CHM 116 course(s). | | |
| Complete First-Year Composition requirement. | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

- Prep for success using the Sophomore Guide.

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAE 213: Mechanics of Materials | 3 | C | |
| MAE 242: Introduction to Fluid Mechanics | 3 | C | |
| EEE 202: Circuits I | 4 | C | |
| MAE 384: Advanced Mathematical Methods for Engineers (CS) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AEE 360: Aerodynamics (L) | 3 | C | • AEE 360, AEE 361 and AEE 362 must all be taken to secure Literacy and Critical Inquiry (L) General Studies credit.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| AEE 361: Aerodynamics Laboratory (L) | 1 | C | |
| MAE 241: Introduction to Thermodynamics | 3 | C | |
| MAE 301: Applied Experimental Statistics | 3 | C | |
| MAE 318: System Dynamics and Control I | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 6 76 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AEE 313: Aircraft Dynamics and Control | 3 | C | • AEE 360, AEE 361 and AEE 362 must all be taken to secure Literacy and Critical Inquiry (L) General Studies credit.<br>• Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| AEE 325: Aerospace Structures and Materials | 4 | C | |
| AEE 344: Fundamentals of Aircraft Design | 3 | C | |
| AEE 362: High-Speed Aerodynamics (L) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AEE 463: Aircraft Propulsion | 3 | C | • For additional information about Upper Division Technical Elective course options, please visit: Upper Division Technical Electives |
| AEE 415: Vibration Analysis | 3 | C | |
| MAE 400: Engineering Profession (L) | 3 | C | |

| | | |
|---|---|---|
| Upper Division Technical Elective | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Term hours subtotal: | 15 | |

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AEE 468: Aircraft Systems Design | 3 | C | • For additional information about Upper Division Technical Electives, please visit: Upper Division Technical Electives |
| AEE 462: Space Vehicle Dynamics and Control | 3 | C | |
| Upper Division Technical Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12 | | |

- For additional information about Upper Division Technical Elective options, please visit:ÂUpper Division Technical Electives.

Hide Course List(s)/Track Group(s)

Upper Division Technical Electives

- AEE 426: Design of Aerospace Structures
- AEE 465: Rocket Propulsion
- AEE 466: Rotary Wing Aerodynamics and Performance
- AEE 471: Computational Fluid Dynamics
- BME 467: Tissue Engineering and Regenerative Medicine
- BME 494: Wearable Devices for Sport, Health, and Wellness
- EEE 350: Random Signal Analysis
- EEE 407: Digital Signal Processing
- EEE 480: Feedback Systems
- EEE 481: Computer-Controlled Systems
- EEE 498: Foundations Machine Learning: From Theory to Pract
- MAE 341: Mechanism Analysis and Design
- MAE 404: Finite Elements in Engineering
- MAE 417: System Dynamics and Control II
- MAE 436: Combustion
- MAE 451: Applied Machine Learning for Mechanical and Aerospace Engineers
- MAE 455: Polymers and Composites

- MAE 460: Applied Computational Fluid Dynamics
- MAE 494: Design Optimization
- MAE 494: Quantum Mech Eng: SW and HW of Quantum Computers or MSE 494: Quantum Mech Eng: SW and HW of Quantum Computers
- MAE 494: Theories and Techniques of Direct CAD Modeling
- MEE 323: Computer-Aided Engineering II
- MEE 340: Heat Transfer
- MEE 351: Manufacturing Processes
- MEE 434: Internal Combustion Engines
- MEE 440: Renewable Energy: Mechanical Systems
- MEE 441: Wind Energy
- MEE 472: Intermediate Fluid Mechanics
- MEE 482: Intermediate Thermodynamics
- SES 494: Modeling and Analysis of Space Thermal Systems
- Students may choose no more than one course from the following:
- AST 321: Introduction to Planetary and Stellar Astrophysics
- AST 322: Introduction to Galactic and Extragalactic Astrophysics
- BME 350: Signals and Systems for Bioengineers
- CEE 440: Hydrology
- CHE 468: Polymer Principles and Processing
- CHE 478: Biomass Energy Conversion Technology
- CHE 494: Six Sigma Methodology/Engineering Experimentation
- CHM 325: Analytical Chemistry
- EEE 304: Signals and Systems II
- EEE 333: Hardware Design Languages and Programmable Logic
- EEE 334: Circuits II
- EGR 317: Humanitarian Engineering Project II
- EGR 433: Transforms and Systems Modeling

FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering in Global Context

FSE 404: EPICS Gold: EPICS in Action

IEE 300: Economic Analysis for Engineers

MAT 300: Mathematical Structures (L)

MAT 371: Advanced Calculus I

MAT 420: Scientific Computing

MAT 421: Applied Computational Methods (CS)

MAT 423: Numerical Analysis I (CS)

MAT 425: Numerical Analysis II (CS)

MAT 451: Mathematical Modeling (CS)

MSE 330: Thermodynamics of Materials

PHY 310: Classical Particles, Fields, and Matter I

PHY 361: Introductory Modern Physics

SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

SES 350: Engineering Systems and Experimental Problem Solving

SES 405: Exploration Systems Engineering

SES 407: Space Works II: Model, Fabricate, Test

SES 410: Senior Exploration Project I

By approval only:

MAE 484: Internship

MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)

MAE 499: Individualized Instruction

*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor.

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Aerospace Engineering (Astronautics), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESAEASBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• FSE 100 required for first-year students and should be completed in the first semester.<br>• If ENG 105 is taken, a three hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-AEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering OR SES 100: Introduction to Exploration (CS) | 2-3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16-17 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAE 215: Introduction to Programming in MATLAB | 1 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 201: Mechanics of Particles and Rigid Bodies I: Statics | 3 | C | |

| | | | |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| MAE 214: Computer-Aided Engineering I | 1 | C | |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C | |
| Complete CHM 114 OR CHM 116 course(s). | | | |
| Complete First-Year Composition requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| **Term 4** 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAE 213: Mechanics of Materials | 3 | C | |
| MAE 242: Introduction to Fluid Mechanics | 3 | C | |
| EEE 202: Circuits I | 4 | C | |
| MAE 384: Advanced Mathematical Methods for Engineers (CS) | 3 | C | |
| Term hours subtotal: | 16 | | |

| **Term 5** 62 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AEE 360: Aerodynamics (L) | 3 | C | • AEE 360, AEE 361 and AEE 362 must all be taken to secure Literacy and Critical Inquiry (L) General Studies credit.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| AEE 361: Aerodynamics Laboratory (L) | 1 | C | |
| MAE 241: Introduction to Thermodynamics | 3 | C | |
| MAE 301: Applied Experimental Statistics | 3 | C | |
| MAE 318: System Dynamics and Control I | 4 | C | |
| EEE 203: Signals and Systems I | 3 | C | |
| Term hours subtotal: | 17 | | |

| **Term 6** 79 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AEE 325: Aerospace Structures and Materials | 4 | C | • AEE 360, AEE 361 and AEE 362 must all be taken to secure Literacy and Critical Inquiry (L) General Studies credit.<br>• Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| AEE 362: High-Speed Aerodynamics (L) | 4 | C | |
| AEE 462: Space Vehicle Dynamics and Control | 3 | C | |
| EEE 350: Random Signal Analysis | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| **Term 7** 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AEE 445: Fundamentals of Spacecraft Design | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in-person or virtual practice interview. |
| AEE 465: Rocket Propulsion | 3 | C | |
| EEE 455: Communication Systems OR EEE 459: Communication Networks | 3 | C | |
| MAE 400: Engineering Profession (L) | 3 | C | |

| | | | |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AEE 480: Space Systems Design | 3 | C | • For more information about Technical Electives, please visit: Upper Division Technical Electives. |
| Upper Division Technical Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 12 | | |

- For more information about Upper Division Technical Elective options, please visit: Upper Division Technical Electives.

Hide Course List(s)/Track Group(s)

Upper Division Technical Elective

- AEE 313: Aircraft Dynamics and Control
- AEE 344: Fundamentals of Aircraft Design
- AEE 415: Vibration Analysis
- AEE 426: Design of Aerospace Structures
- AEE 463: Aircraft Propulsion
- AEE 466: Rotary Wing Aerodynamics and Performance
- AEE 471: Computational Fluid Dynamics
- AST 321: Introduction to Planetary and Stellar Astrophysics
- AST 322: Introduction to Galactic and Extragalactic Astrophysics
- BME 467: Tissue Engineering and Regenerative Medicine
- BME 494: Wearable Devices for Sport, Health, and Wellness
- CHE 468: Polymer Principles and Processing
- CHE 478: Biomass Energy Conversion Technology
- CHE 494: Quantum Mechanical Simulations of Chemical Process or MSE 494: Quantum Mechanical Simulations of Chemical Process
- CHE 494: Six Sigma Methodology/Engineering Experimentation
- CHM 325: Analytical Chemistry
- EEE 304: Signals and Systems II

- EEE 333: Hardware Design Languages and Programmable Logic
- EEE 334: Circuits II
- EEE 407: Digital Signal Processing
- EEE 480: Feedback Systems
- EEE 481: Computer-Controlled Systems
- EEE 498: Foundations Machine Learning: From Theory to Pract
- EGR 317: Humanitarian Engineering Project II
- EGR 433: Transforms and Systems Modeling
- FSE 301: Entrepreneurship and Value Creation
- FSE 394: Engineering in Global Context
- FSE 404: EPICS Gold: EPICS in Action
- GLG 404: Fundamentals of Planetary Geology
- IEE 300: Economic Analysis for Engineers
- MAE 341: Mechanism Analysis and Design
- MAE 404: Finite Elements in Engineering
- MAE 417: System Dynamics and Control II
- MAE 436: Combustion
- MAE 451: Applied Machine Learning for Mechanical and Aerospace Engineers
- MAE 455: Polymers and Composites
- MAE 460: Applied Computational Fluid Dynamics
- MAE 494: Design Optimization
- MAE 494: Energy Efficiency
- MAE 494: Theories and Techniques of Direct CAD Modeling
- MAT 300: Mathematical Structures (L)
- MAT 371: Advanced Calculus I
- MAT 420: Scientific Computing
- MAT 421: Applied Computational Methods (CS)
- MAT 423: Numerical Analysis I (CS)
- MAT 425: Numerical Analysis II (CS)
- MAT 451: Mathematical Modeling (CS)
- MEE 323: Computer-Aided Engineering II
- MEE 340: Heat Transfer

| |
|---|
| MEE 351: Manufacturing Processes |
| MEE 434: Internal Combustion Engines |
| MEE 440: Renewable Energy: Mechanical Systems |
| MEE 441: Wind Energy |
| MEE 472: Intermediate Fluid Mechanics |
| MEE 482: Intermediate Thermodynamics |
| MSE 330: Thermodynamics of Materials |
| MSE 494: Quantum Mech Eng: SW and HW of Quantum Computers or MAE 494: Quantum Mech Eng: SW and HW of Quantum Computers |
| PHY 310: Classical Particles, Fields, and Matter I |
| PHY 361: Introductory Modern Physics |
| SES 311: Essentials of Astrobiology: Exploration for Life in the Universe |
| SES 350: Engineering Systems and Experimental Problem Solving |
| SES 405: Exploration Systems Engineering |
| SES 407: Space Works II: Model, Fabricate, Test |
| SES 410: Senior Exploration Project I |
| SES 494: Modeling and Analysis of Space Thermal Systems |
| By approval only: |
| MAE 484: Internship |
| MAE 492: Honors Directed Study |
| MAE 493: Honors Thesis (L) |
| MAE 499: Individualized Instruction |
| *Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor. |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Aerospace Engineering (Autonomous Vehicle Systems), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESAEAVSBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• FSE 100 required for first-year students and should be completed in the first semester. Non-first-year students: see advisor for petitioning replacement electives.<br>• If ENG 105 is taken, a three hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-AEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAE 215: Introduction to Programming in MATLAB | 1 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAE 201: Mechanics of Particles and Rigid Bodies I: Statics | 3 | C |
| MAT 267: Calculus for Engineers III (MA) | 3 | C |
| MAT 275: Modern Differential Equations (MA) | 3 | C |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| MAE 214: Computer-Aided Engineering I | 1 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Complete CHM 114 OR CHM 116 course(s). | | |
| Complete First-Year Composition requirement. | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

- Prep for success using the Sophomore Guide.
- Create a technical resume.

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics | 3 | C | |
| MAE 213: Mechanics of Materials | 3 | C | |
| MAE 242: Introduction to Fluid Mechanics | 3 | C | |
| EEE 202: Circuits I | 4 | C | |
| MAE 384: Advanced Mathematical Methods for Engineers (CS) | 3 | C | |
| Term hours subtotal: | 16 | | |

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

| Term 5 62 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AEE 360: Aerodynamics (L) | 3 | C | |
| AEE 361: Aerodynamics Laboratory (L) | 1 | C | |
| MAE 241: Introduction to Thermodynamics | 3 | C | |
| MAE 301: Applied Experimental Statistics | 3 | C | |
| MAE 318: System Dynamics and Control I | 4 | C | |
| Term hours subtotal: | 14 | | |

- AEE 360, AEE 361 and AEE 362 must all be taken to secure Literacy and Critical Inquiry (L) General Studies credit.
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

| Term 6 76 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AEE 313: Aircraft Dynamics and Control | 3 | C | |
| AEE 325: Aerospace Structures and Materials | 4 | C | |
| AEE 362: High-Speed Aerodynamics (L) | 4 | C | |
| Upper Division AVS Technical Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

- AEE 360, AEE 361 and AEE 362 must all be taken to secure Literacy and Critical Inquiry (L) General Studies credit.
- Research and prepare for graduate school.
- Apply for an engineering 4+1 program.
- Develop a professional profile online.

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AEE 478: Fundamentals of Autonomous Aircraft Systems | 3 | C | |
| AEE 463: Aircraft Propulsion | 3 | C | |
| MAE 400: Engineering Profession (L) | 3 | C | |

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.

| | | | |
|---|---|---|---|
| Upper Division AVS Technical Elective | 3 | C | • Complete an in-person or virtual practice interview. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AEE 479: Design of Autonomous Aircraft Systems | 3 | C | |
| AEE 462: Space Vehicle Dynamics and Control | 3 | C | |
| POS 325: Public Policy Development (SB) OR POS 300: Contemporary Global Controversies (SB & G) OR POS 370: Law and Society (SB) OR PHI 306: Applied Ethics (HU) | 3 | | |
| Upper Division AVS Technical Elective | 3 | C | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

AVS Technical Elective

EEE 203: Signals and Systems I

EEE 304: Signals and Systems II

EEE 350: Random Signal Analysis

EEE 455: Communication Systems

EEE 459: Communication Networks

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

EEE 582: Linear System Theory

MAE 417: System Dynamics and Control II

MAE 451: Applied Machine Learning for Mechanical and Aerospace Engineers

MAE 494: Guidance and Navigation of Aerospace Vehicles

MAE 506: Advanced System Modeling, Dynamics, and Control

By approval only:

MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)

MAE 499: Individualized Instruction

*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition. To take any 494 class, please check with your advisor first.

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Aviation), BAS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSAMTABAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AMT 308: Air Transportation (G) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| AMT Upper Division Elective | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AMT 442: Aviation Law and Regulations | 3 | C | • If following the UAS focus area, students must first meet the prerequisites of AMT 170 and AMT 270.<br>• Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| AMT 396: Aviation Professional | 1 | C | |
| Upper Division Focus Area | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) ( HST 319 recommended) | 3 | | |
| Upper Division Elective | 2 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AMT 408: National Aviation Policy | 3 | C | • Plan for success using the Senior Guide. |
| Upper Division Focus Area | 3 | C | |

| | | |
|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | |
| *Complete 2 courses:*<br>Any needed lower division General Studies requirement OR Elective | 6 | |
| Term hours subtotal: | 15 | |

- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ AMT 489: Airline Administration | 3 | C | |
| AMT 491: Aviation Management Capstone OR Unmanned Aerial Systems Focus Area Course | 3 | C | |
| AMT Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Management Focus Area | Unmanned Aerial Systems Focus Area |
|---|---|
| HSE Upper Division Elective | AMT 370: Unmanned Aircraft Systems |
| OGL Upper Division Elective | AMT 470: Unmanned Aircraft Payloads, Sensors, and Control Stations |
| OMT Upper Division Elective | AMT 495: Unmanned Aircraft Systems Operations |
| TEM Upper Division Elective | |
| TMC Upper Division Elective | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Graphic Information Technology), BAS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSGITBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 315: Digital Video Techniques | 3 | | • Select a primary focus area consisting of 12 credit hours of focused courses (a minimum of six hours must be upper division). Focus areas are listed below.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| GIT 384: Commercial Photography | 3 | | |
| Focus Area | 3 | | |
| Upper Division Elective | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 303: Digital Publishing | 3 | | • Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| GIT 314: Multimedia Design, Planning and Storyboards | 3 | | |
| Focus Area | 3 | | |
| *Complete 2 courses:*<br>Any needed lower division General Studies requirement OR Elective | 6 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 450: Digital Workflow in Graphic Industries | 3 | | • Plan for success using the Senior Guide. |
| GIT 480: Senior Project | 3 | | |

| | | | |
|---|---|---|---|
| Upper Division Focus Area | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GIT 413: Professional Portfolio Design and Presentation | 3 | | |
| GIT 432: Graphic Industry Business Practices | 3 | | |
| Upper Division Focus Area | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended) | 3 | | |
| Term hours subtotal: | 15 | | |

- Students in the BAS Graphic Information Technology program select a primary focus area consisting of 12 credit hours of focused courses (a minimum of six hours must be upper-division). Focus areas are listed below.

Hide Course List(s)/Track Group(s)

| Commercial Photography and Video |
|---|
| GIT 334: Image Editing and Manipulation |
| GIT 415: Advanced Digital Video Techniques |
| GIT 445: 360 Production |
| GIT 490: Advanced Commercial Photography |
| GIT 494: Special Topics |

| Digital Design, Print, and Publishing |
|---|
| GIT 230: Digital Illustration in Publishing |
| GIT 250: Introduction to Commercial Print |
| GIT 333: Printing Technology |
| GIT 334: Image Editing and Manipulation |
| GIT 437: Color Reproduction Systems |
| GIT 494: Special Topics |
| TWC 411: Principles of Visual Communication (L) |

| Front-End Web Development |
|---|
| GIT 215: Introduction to Web Authoring |
| GIT 337: Web Content Design |
| GIT 414: Web Site Design and Internet/Web Technologies |
| GIT 417: Advanced Web Markup and Scripting |
| GIT 418: Multimedia Authoring, Scripting and Production |
| GIT 494: Special Topics |

| Interaction Design |
|---|
| GIT 340: Information Design and Usability |
| GIT 350: Cross-Media Design |
| GIT 402: New Media Internet Technologies |
| GIT 435: Website and E-Commerce Strategies |
| GIT 494: Special Topics |

| Motion Graphics/Visual Effects |
|---|
| GIT 211: 3D Media Production |
| GIT 230: Digital Illustration in Publishing |
| GIT 312: Computer Animation and Motion Graphics (CS) |
| GIT 334: Image Editing and Manipulation |
| GIT 411: Visual Narrative in Motion Graphics |
| GIT 494: Special Topics |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Applied Science (Graphic Information Technology), BAS

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
TSGITBAS

| **Applicable Community College Prerequisites 0 - 60 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| **Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GIT 315: Digital Video Techniques | 3 | | • Select a primary focus area consisting of 12 credit hours of focused courses (minimum of six hours must be upper division). Focus areas are listed below.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 5 - B 66 - 75 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| GIT 384: Commercial Photography | 3 | | |
| Focus Area | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| **Term 6 - A 75 - 84 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GIT 303: Digital Publishing | 3 | | • Research and prepare for graduate school .<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| ★ GIT 314: Multimedia Design, Planning and Storyboards | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| **Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | |
|---|---|---|
| Focus Area | 3 | |
| Any needed lower division General Studies requirement OR Elective | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 90 - 96 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 450: Digital Workflow in Graphic Industries | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| Upper Division Focus Area | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 480: Senior Project | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 413: Professional Portfolio Design and Presentation | 3 | | |
| Upper Division Focus Area | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 432: Graphic Industry Business Practices | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

- Students in the BAS Graphic Information Technology program select a primary focus area consisting of 12 credit hours of focused courses (minimum of six hours must be upper-division). Focus areas are listed below.

Hide Course List(s)/Track Group(s)

| Commercial Photography and Video | Interaction Design | Digital Design, Print, and Publishing |
|---|---|---|
| GIT 334: Image Editing and Manipulation | GIT 340: Information Design and Usability | GIT 230: Digital Illustration in Publishing |
| GIT 415: Advanced Digital Video Techniques | GIT 350: Cross-Media Design | GIT 250: Introduction to Commercial Print |
| GIT 445: 360 Production | GIT 402: New Media Internet Technologies | GIT 333: Printing Technology |
| GIT 490: Advanced Commercial Photography | GIT 435: Website and E-Commerce Strategies | GIT 334: Image Editing and Manipulation |
| GIT 494: Special Topics | GIT 494: Special Topics | GIT 437: Color Reproduction Systems |
| | | GIT 494: Special Topics |

| | | |
|---|---|---|
| | | TWC 411: Principles of Visual Communication (L) |

| Front-End Web Development | Motion Graphics/Visual Effects |
|---|---|
| GIT 215: Introduction to Web Authoring | GIT 211: 3D Media Production |
| GIT 337: Web Content Design | GIT 230: Digital Illustration in Publishing |
| GIT 414: Web Site Design and Internet/Web Technologies | GIT 312: 3-D Computer Graphics Modeling and Representation (CS) |
| GIT 417: Advanced Web Markup and Scripting | GIT 334: Image Editing and Manipulation |
| GIT 418: Multimedia Authoring, Scripting and Production | GIT 411: Computer Animation |
| GIT 494: Special Topics | GIT 494: Special Topics |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Internet and Web Development), BAS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSIWDBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 215: Introduction to Web Authoring | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| GIT 334: Image Editing and Manipulation | 3 | | |
| GIT 340: Information Design and Usability | 3 | | |
| Upper Division Elective | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 337: Web Content Design | 3 | C | • Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| *Complete 2 courses:* Any needed lower division General Studies requirement OR Elective | 6 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 417: Advanced Web Markup and Scripting | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| GIT 414: Web Site Design and Internet/Web Technologies | 3 | | |
| GIT 450: Digital Workflow in Graphic Industries | 3 | | |

| | | | |
|---|---|---|---|
| GIT 480: Senior Project | 3 | | • Complete an in person or virtual practice interview. |
| Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 413: Professional Portfolio Design and Presentation | 3 | | |
| GIT 432: Graphic Industry Business Practices | 3 | | |
| GIT 435: Website and E-Commerce Strategies | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Internet and Web Development), BAS

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
TSIWDBAS

| **Applicable Community College Prerequisites 0 - 60 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| **Term 5 - A 60 - 69 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GIT 215: Introduction to Web Authoring | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| Upper Division Elective | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| **Term 5 - B 69 - 75 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| GIT 334: Image Editing and Manipulation | 3 | | |
| GIT 340: Information Design and Usability | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GIT 337: Web Content Design | 3 | C | • Research and prepare for graduate school .<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 9 | |

| Term 7 - A 90 - 96 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 414: Web Site Design and Internet/Web Technologies | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| GIT 480: Senior Project | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 417: Advanced Web Markup and Scripting | 3 | C | |
| GIT 450: Digital Workflow in Graphic Industries | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 413: Professional Portfolio Design and Presentation | 3 | | |
| GIT 435: Website and E-Commerce Strategies | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 432: Graphic Industry Business Practices | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Operations Management), BAS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSIMCOBAS

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students transferring from a regionally accredited Arizona public community college may be able to transfer up to 15 additional credit hours of transferable general studies courses (75 credit hours total).Â Students should work with their academic advisor to ensure their courses will meet degree requirements.

| **Applicable Community College Prerequisites 0 - 60 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ STS 401: Statistics in Science and Technology Studies (CS) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| ★ TMC 110: Understanding the Enterprise | 3 | C | |
| TEM 431: Innovation Management | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ TMC 330: Leading the Enterprise | 3 | C | • For the Major Electives requirement, students will complete a total of 15 credit hours from the subjects listed below. A minimum of 12 credit hours must be upper division.<br>• Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| *Complete 2 courses:* Upper Division Major Electives | 6 | C | |
| Upper Division Elective | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TMC 410: Enterprise Operations | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| TMC 430: Enterprise Strategy and Innovation | 3 | C | |
| TMC 470: Enterprise Planning and Implementation | 3 | C | |
| Major Electives | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TMC 498: Pro-Seminar (L) | 3 | C | |
| OMT 402: Legal Issues for Technologists OR OMT 430: Ethical Issues in Technology | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Major Electives | 6 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- Students will complete 15 credit hours of electives from the subjects listed below. A minimum of 12 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

Major Electives

FSE OR OMT OR TEM OR TMC Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Operations Management), BAS

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
TSIMCOBAS

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students transferring from a regionally accredited Arizona public community college may be able to transfer up to 15 additional credit hours of transferable general studies courses (75 credit hours total). Students should work with their academic advisor to ensure their courses will meet degree requirements.

| **Applicable Community College Prerequisites 0 - 60 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| **Term 5 - A 60 - 69 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ TMC 110: Understanding the Enterprise | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| **Term 5 - B 69 - 75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ STS 401: Statistics in Science and Technology Studies (CS) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| TEM 431: Innovation Management | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ TMC 330: Leading the Enterprise | 3 | C | • For the Major Electives requirement, students will complete a total of 15 credit hours from the subjects listed below. A minimum of 12 credit hours must be upper division. |
| Major Electives | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Major Electives | 3 | C | • For the Major Electives requirement, students will complete a total of 15 credit hours from the subjects listed below. A minimum of 12 credit hours must be upper division. If you have questions about your options, please contact your academic advisor.<br>• Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| Upper Division Elective | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TMC 410: Enterprise Operations | 3 | C | |
| Upper Division Major Electives | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TMC 430: Enterprise Strategy and Innovation | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| TMC 470: Enterprise Planning and Implementation | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TMC 498: Pro-Seminar (L) | 3 | C | |
| Upper Division Major Electives | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OMT 402: Legal Issues for Technologists OR OMT 430: Ethical Issues in Technology | 3 | C | |
| Upper Division Major Electives | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

- Students will complete 15 credit hours of electives from the subjects listed below. A minimum of 12 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

| Major Electives |
|---|
| FSE OR OMT OR TEM OR TMC Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biomedical Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESBMEBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-BME: The ASU Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• If ENG 105 is taken, a three credit hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| CHM 114: General Chemistry for Engineers (SQ) | 4 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete FSE 100 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Select your Bioscience Elective course(s) from the approved list found at the bottom of the major map.<br>• Prep for success using the Sophomore Guide. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C | |

| | | |
|---|---|---|
| BME 210: Programming for Biomedical Engineers: Introduction to Computers, Programming and Data (CS) | 3 | C |
| Bioscience Elective | 4 | C |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 200: Conservation Principles in Biomedical Engineering | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| BME 235: Physiology for Engineers | 4 | C | |
| EEE 202: Circuits I | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 350: Signals and Systems for Bioengineers OR BIO 353: Cell Biology | 3 | C | • Select your Upper Division Engineering Elective courses from the approved list found at the bottom of the major map.<br>• The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of term 8, all must be completed; however, the combinations may vary.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| BME 318: Biomaterials | 4 | C | |
| BME 331: Transport Phenomena for Biomedical Engineering | 3 | C | |
| Upper Division Engineering Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 370: Microcomputer Applications in Biomedical Engineering OR BME 360: Control in Biological Systems AND BME 362: Methods in Molecular and Cellular Biology | 3-4 | C | • Select your Upper Division Engineering Elective courses from the approved list found at the bottom of the major map.<br>• Research and prepare for graduate school .<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| BME 213: Biomedical and Bioengineering Ethics | 1 | C | |
| BME 300: Bioengineering Product Design | 3 | C | |
| BME 301: Numerical Methods in Biomedical Engineering | 2 | C | |
| BME 316: Biomechanics for Biomedical Engineers | 3 | C | |
| Upper Division Engineering Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15-16 | | |

| Term 7 91 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 413: Biomedical Instrumentation (L) AND BME 423: Biomedical Instrumentation Laboratory (L) OR BME 467: Tissue Engineering and Regenerative Medicine | 4-3 | C | • Select your Upper Division Related Elective courses from the approved list found at the bottom of the major map.<br>• The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of |
| BME 417: Biomedical Engineering Capstone Design I (L) | 4 | C | |
| Upper Division Related Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 14-13 | |

term 8, all must be completed; however, the combinations may vary.

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BME 490: Biomedical Engineering Capstone Design II (L) | 4 | C | • Select your Upper Division Related Elective courses from the approved list found at the bottom of the major map.<br>• The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of term 8, all must be completed; however, the combinations may vary. |
| Upper Division Related Elective | 2 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

- 
- Students must complete at least 10 credit hours from the Upper Division Biomedical Engineering Core list.

Hide Course List(s)/Track Group(s)

| Bioscience Electives |
|---|
| BIO 182: General Biology II (SG) |
| BIO 201: Human Anatomy and Physiology I (SG) |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) |
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |

| Upper Division Engineering Electives |
|---|
| BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS) |
| BME 340: Thermodynamics for Biomedical Engineers or CHE 342: Introduction to Applied Chemical Thermodynamics |
| BME 465: Magnetic Resonance Imaging |
| BME 494: Bioenergy and Microbial Biotechnology |
| BME 494: Finite Element Modeling for Biomedical Application |
| BME 494: Medical Imaging Instrumentation |
| BME 494: Polymeric Drug Delivery |
| BME 494: Systems Biology of Disease |
| BME 494: Technology for Global Health |
| BMI 311: Modeling Biomedical Knowledge |
| CEE 384: Numerical Methods for Engineers (CS) |
| CHE 468: Polymer Principles and Processing |

| Upper Division Related Electives |
|---|
| ACC 382: Accounting and Financial Analysis |
| BCH 361: Advanced Principles of Biochemistry |
| BCH 367: Elementary Biochemistry Laboratory |
| BCH 461: General Biochemistry |
| BCH 462: General Biochemistry |
| BCH 467: Analytical Biochemistry Laboratory (L) |
| BIO 302: Cancer--Mother of All Diseases (L) |
| BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) |
| BIO 331: Animal Behavior |
| BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins |
| BIO 345: Evolution |
| BIO 360: Animal Physiology |
| BIO 440: Functional Genomics or MBB 440: Functional Genomics |

- CHE 473: Fuel Cells and Biofuel Cells
- CHE 478: Biomass Energy Conversion Technology
- CHE 479: Microbial Bioprocess Engineering
- CHE 494: Fundamentals of Scaleup
- CHE 494: Nanobiotechnology
- CHE 494: Soft Matter Morphology
- CHE 494: Sustainable Macromolecular Synthesis
- CHM 325: Analytical Chemistry
- CHM 341: Elementary Physical Chemistry or BCH 341: Physical Chemistry with a Biological Focus
- CSE 340: Principles of Programming Languages
- DAT 301: Exploring Data in R and Python
- EEE 334: Circuits II
- EEE 350: Random Signal Analysis
- EEE 352: Properties of Electronic Materials
- EEE 407: Digital Signal Processing
- EEE 481: Computer-Controlled Systems
- HCD 403: Process Engineering
- IEE 300: Economic Analysis for Engineers
- IEE 380: Probability and Statistics for Engineering Problem Solving (CS)
- IEE 381: Lean Six Sigma Methodology
- MAE 384: Advanced Mathematical Methods for Engineers (CS)
- MAT 451: Mathematical Modeling (CS)
- MEE 322: Structural Mechanics
- MEE 340: Heat Transfer
- MSE 415: Mathematical and Computer Methods in Materials (CS)
- MSE 440: Mechanical Behavior of Materials
- MSE 450: Introduction to Materials Characterization
- MSE 451: Nanomaterials and Electronics Characterization Lab
- MSE 470: Polymers and Composites
- BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging
- BIO 467: Neurobiology
- BME 394: Honors Research
- BME 394: SBHSE Research Projects
- BME 492: Honors Directed Study
- BME 493: Honors Thesis (L)
- BMI 465: Introduction to Comparative Genomics
- BUA 380: Small Business Leadership
- BUA 381: Small Business Accounting and Finance
- BUA 383: Small Business Working Relationships
- BUS 384: Business Operations and Planning
- CHE 475: Biochemical Engineering
- CHM 302: Environmental Chemistry
- CHM 326: Advanced Analytical Chemistry Laboratory
- CIS 300: Web Design and Development
- COM 312: Communication, Conflict, and Negotiation
- CSE 310: Data Structures and Algorithms
- CSE 412: Database Management
- ECN 306: Survey of International Economics (SB & G)

| Upper Division Related Electives continued |
| --- |
| EDP 310: Developing as a Leader (SB) |
| EDP 310: Emotional Intelligence (SB) |
| EDP 310: Gender Development (SB) |
| EDP 310: Learning and Memory (SB) |
| EDP 310: Motivation (SB) |
| EDP 310: Understanding the Brain (SB) |
| EEE 307: Signal Processing for Digital Culture |
| EEE 407: Digital Signal Processing |
| EEE 480: Feedback Systems |
| ENT 305: Principles of Entrepreneurship |
| FIN 300: Fundamentals of Finance |
| FIN 380: Personal Financial Management |
| FSE 301: Entrepreneurship and Value Creation or ENT 360: Entrepreneurship and Value Creation |
| HCR 350: Introduction to Clinical Research |
| IEE 320: Extreme Excel |
| IEE 369: Work Analysis and Design (L) |
| IEE 431: Engineering Administration (L) |
| IND 464: Collaborative Design Development I (L) |
| IND 465: Collaborative Design Development II (L) |
| KIN 334: Functional Anatomy and Kinesiology |
| KIN 340: Physiology of Exercise |
| KIN 412: Biomechanics of the Skeletal System |
| KIN 413: Qualitative Analysis in Sport Biomechanics |
| KIN 414: Electromyographic Kinesiology (L) |
| MSE 471: Introduction to Ceramics |
| MSE 482: Materials Engineering Design (L) |
| TWC 446: Technical and Scientific Reports (L) |
| TWC 451: Copyright and Intellectual Property in the Electronic Age |

| Upper Division Related Electives, continued |
| --- |
| MGT 300: Principles of Management and Leadership |
| MGT 302: Principles of International Business (G) |
| MGT 380: Management and Strategy for Nonmajors |
| MIC 314: HIV/AIDS: Science, Behavior, and Society |
| MIC 360: Bacterial Physiology |
| MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations |
| MKT 300: Marketing and Business Performance |
| MKT 370: Professional Sales and Relationship Management |
| MKT 390: Essentials of Marketing |
| MKT 391: Essentials of Selling |
| MSE 330: Thermodynamics of Materials |
| MSE 335: Materials Kinetics |
| MSE 355: Structure and Defects |
| MSE 356: Thin Film and Microelectronic Devices Lab |
| MSE 420: Advanced Metallurgical Alloys and Processes |
| MSE 421: Physical Metallurgy Laboratory |
| MSE 442: Fatigue, Fracture, and Creep of Materials |
| MSE 458: Electronic, Magnetic, and Optical Properties |
| MSE 460: Nanomaterials in Energy Production and Storage |
| NTR 457: Sports Nutrition |
| PAF 301: Applied Statistics (CS) |

KIN 440: Exercise Biochemistry

LES 305: Business Law and Ethics for Managers

LES 380: Consumer Perspective of Business Law

LSC 347: Fundamentals of Genetics

MAE 318: System Dynamics and Control I

MAE 341: Mechanism Analysis and Design

MAE 417: System Dynamics and Control II

MAT 300: Mathematical Structures (L)

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra

MAT 460: Vector Calculus

MAT 462: Applied Partial Differential Equations

MBB 343: Genetic Engineering and Society (L) or BIO 343: Genetic Engineering and Society (L)

PAF 410: Building Leadership Skills (SB)

PHI 306: Applied Ethics (HU)

PHI 313: Probability, Evidence, and Decision

PHY 361: Introductory Modern Physics

PSY 325: Physiological Psychology

PSY 470: Psychopharmacology

SCM 300: Global Supply Operations

SOC 334: Technology and Society (L or SB)

STP 420: Introductory Applied Statistics (CS)

STP 421: Probability

STP 429: Applied Regression (CS)

STS 304: Science, Technology and Society (SB)

STS 332: Global Issues in Science and Technology (SB)

TEM 330: Systems Innovation

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biomedical Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
ESBMEBSE

| Term 1 - A 0 - 6 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• If ENG 105 is taken, a three credit hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-BME: The ASU Experience | 1 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Term hours subtotal: | 6 | | |

| Term 1 - B 6 - 12 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 12 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 114: General Chemistry for Engineers (SQ) | 4 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | | | |
|---|---|---|---|
| Complete FSE 100 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 7 | |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • Prep for success using the Sophomore Guide. |
| MAT 242: Elementary Linear Algebra | 2 | C | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 32 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C | |
| STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 39 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 275: Modern Differential Equations (MA) | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| BME 210: Programming for Biomedical Engineers: Introduction to Computers, Programming and Data (CS) | 3 | C | |
| BME 213: Biomedical and Bioengineering Ethics | 1 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 46 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 200: Conservation Principles in Biomedical Engineering | 3 | C | |
| EEE 202: Circuits I | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 53 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 350: Signals and Systems for Bioengineers OR BIO 353: Cell Biology | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| BME 235: Physiology for Engineers | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 60 - 67 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 318: Biomaterials | 4 | C | |
| BME 331: Transport Phenomena for Biomedical Engineering | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 67 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 370: Microcomputer Applications in Biomedical Engineering OR BME 360: Control in Biological Systems AND BME 362: Methods in Molecular and Cellular Biology | 3-4 | C | • Research and prepare for graduate school. |

| | | |
|---|---|---|
| BME 301: Numerical Methods in Biomedical Engineering | 2 | C |
| BME 316: Biomechanics for Biomedical Engineers | 3 | C |
| Term hours subtotal: | 8-9 | |

- Apply for an engineering 4+1 program .
- Develop a professional profile online.

| Term 6 - B 75 - 82 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| BME 300: Bioengineering Product Design | 3 | C |
| Bioscience Elective | 4 | C |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 7 | |

**Notes**

- Select your Bioscience Elective course(s) from the approved list found at the bottom of the major map.
- The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of the degree, all must be completed; however, the combinations may vary.

| Term 7 - A 82 - 89 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ BME 417: Biomedical Engineering Capstone Design I (L) | 4 | C |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Term hours subtotal: | 7 | |

**Notes**

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.
- The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of the degree, all must be completed; however, the combinations may vary.

| Term 7 - B 89 - 95 Credit Hours | Hours | Minimum Grade |
|---|---|---|
| Upper Division Engineering Elective | 3 | C |
| Upper Division Related Elective | 3 | C |
| Term hours subtotal: | 6 | |

**Notes**

- Select your Upper Division Engineering Elective and Upper Division Related Elective courses from the approved lists found at the bottom of the major map.

| Term 8 - A 95 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ BME 490: Biomedical Engineering Capstone Design II (L) | 4 | C |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | |
| Term hours subtotal: | 7 | |

**Notes**

- The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of the degree, all must be completed; however, the combinations may vary.

| Term 8 - B 102 - 110 Credit Hours | Hours | Minimum Grade |
|---|---|---|
| Upper Division Engineering Elective | 3 | C |
| Upper Division Related Elective | 2 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 8 | |

**Notes**

- Select your Upper Division Engineering Elective and Upper Division Related Elective courses from the approved lists found at the bottom of the major map.
- The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have

to be taken in exact combinations as outlined on the major map. By the end of the degree, all must be completed; however, the combinations may vary.

| Term 9 - A 110 - 117 Credit Hours Necessary course signified by ⭐ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ⭐ BME 413: Biomedical Instrumentation (L) AND BME 423: Biomedical Instrumentation Laboratory (L) OR BME 467: Tissue Engineering and Regenerative Medicine | 4-3 | C | • The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of the degree, all must be completed; however, the combinations may vary. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7-6 | | |

| Term 9 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | • The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of the degree, all must be completed; however, the combinations may vary. |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Bioscience Electives |
|---|
| BIO 182: General Biology II (SG) |
| BIO 201: Human Anatomy and Physiology I (SG) |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) |
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |

| Upper Division Engineering Electives |
|---|
| BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS) |
| BME 465: Magnetic Resonance Imaging |
| CHM 325: Analytical Chemistry |
| CHM 341: Elementary Physical Chemistry or BCH 341: Physical Chemistry with a Biological Focus |
| CSE 340: Principles of Programming Languages |
| DAT 301: Exploring Data in R and Python |
| EEE 334: Circuits II |
| EEE 350: Random Signal Analysis |
| EEE 352: Properties of Electronic Materials |
| EEE 407: Digital Signal Processing |
| EEE 481: Computer-Controlled Systems |
| HCD 403: Process Engineering |

| Upper Division Related Electives |
|---|
| ACC 382: Accounting and Financial Analysis |
| BCH 361: Advanced Principles of Biochemistry |
| BCH 367: Elementary Biochemistry Laboratory |
| BCH 461: General Biochemistry |
| BCH 462: General Biochemistry |
| BCH 467: Analytical Biochemistry Laboratory (L) |
| BIO 302: Cancer--Mother of All Diseases (L) |
| BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) |
| BIO 331: Animal Behavior |
| BIO 340: General Genetics |
| BIO 345: Evolution |
| BIO 360: Animal Physiology |
| BIO 440: Functional Genomics or MBB 440: Functional Genomics |
| BIO 467: Neurobiology |

IEE 300: Economic Analysis for Engineers

IEE 380: Probability and Statistics for Engineering Problem Solving (CS)

IEE 381: Lean Six Sigma Methodology

MAE 384: Advanced Mathematical Methods for Engineers (CS)

MEE 322: Structural Mechanics

MEE 340: Heat Transfer

TWC 446: Technical and Scientific Reports (L)

TWC 451: Copyright and Intellectual Property in the Electronic Age

BUA 380: Small Business Leadership

BUA 381: Small Business Accounting and Finance

BUA 383: Small Business Working Relationships

BUS 384: Business Operations and Planning

CHM 326: Advanced Analytical Chemistry Laboratory

CIS 300: Web Design and Development

COM 312: Communication, Conflict, and Negotiation

CSE 310: Data Structures and Algorithms

CSE 412: Database Management

ECN 306: Survey of International Economics (SB & G)

Upper Division Related Electives continued

EDP 310: Developing as a Leader (SB)

EDP 310: Emotional Intelligence (SB)

EDP 310: Gender Development (SB)

EDP 310: Learning and Memory (SB)

EDP 310: Motivation (SB)

EDP 310: Understanding the Brain (SB)

EEE 407: Digital Signal Processing

EEE 480: Feedback Systems

ENT 305: Principles of Entrepreneurship

FIN 300: Fundamentals of Finance

FIN 380: Personal Financial Management

FSE 301: Entrepreneurship and Value Creation or ENT 360: Entrepreneurship and Value Creation

HCR 350: Introduction to Clinical Research

IEE 320: Extreme Excel

IEE 369: Work Analysis and Design (L)

IEE 431: Engineering Administration (L)

LES 305: Business Law and Ethics for Managers

LSC 347: Fundamentals of Genetics

MAE 318: System Dynamics and Control I

Upper Division Related Electives, continued

MGT 300: Principles of Management and Leadership

MGT 302: Principles of International Business (G)

MGT 380: Management and Strategy

MIC 314: HIV/AIDS: Science, Behavior, and Society

MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations

MKT 300: Marketing and Business Performance

MKT 370: Professional Sales and Relationship Management

MKT 390: Essentials of Marketing

MKT 391: Essentials of Selling

PAF 301: Applied Statistics (CS)

PAF 410: Building Leadership Skills (SB)

PHI 306: Applied Ethics (HU)

PHY 361: Introductory Modern Physics

PSY 325: Physiological Psychology

PSY 470: Psychopharmacology

SCM 300: Global Supply Operations

| | |
|---|---|
| MAE 417: System Dynamics and Control II | SOC 334: Technology and Society (L or SB) |
| MAT 343: Applied Linear Algebra | STP 420: Introductory Applied Statistics (CS) |
| | STS 304: Science, Technology and Society (SB) |
| | STS 332: Global Issues in Science and Technology (SB) |
| | TEM 330: Systems Innovation |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biomedical Engineering (Biological Devices), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESBMEBDBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-BME: The ASU Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• If ENG 105 is taken, a three credit hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| CHM 114: General Chemistry for Engineers (SQ) | 4 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete FSE 100 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Select your Bioscience Elective course(s) from the approved list found at the bottom of the major map.<br>• Prep for success using the Sophomore Guide. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C | |

| | | |
|---|---|---|
| BME 210: Programming for Biomedical Engineers: Introduction to Computers, Programming and Data (CS) | 3 | C |
| Bioscience Elective | 4 | C |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 200: Conservation Principles in Biomedical Engineering | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| BME 235: Physiology for Engineers | 4 | C | |
| EEE 202: Circuits I | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 353: Cell Biology | 3 | C | • Select your Upper Division Engineering Elective courses from the approved list found at the bottom of the major map.<br>• The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of term 8, all must be completed; however, the combinations may vary.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| BME 362: Methods in Molecular and Cellular Biology | 1 | C | |
| BME 318: Biomaterials | 4 | C | |
| BME 331: Transport Phenomena for Biomedical Engineering | 3 | C | |
| Upper Division Engineering Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 17 | | |

| Term 6 77 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 360: Control in Biological Systems | 3 | C | • Select your Upper Division Engineering Elective courses from the approved list found at the bottom of the major map.<br>• Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| BME 213: Biomedical and Bioengineering Ethics | 1 | C | |
| BME 300: Bioengineering Product Design | 3 | C | |
| BME 301: Numerical Methods in Biomedical Engineering | 2 | C | |
| BME 316: Biomechanics for Biomedical Engineers | 3 | C | |
| Upper Division Engineering Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 417: Biomedical Engineering Capstone Design I (L) | 4 | C | • Select your Upper Division Related Elective courses from the approved list found at the bottom of the major map.<br>• The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of term 8, all must be completed; however, the combinations may vary. |
| BME 467: Tissue Engineering and Regenerative Medicine | 3 | C | |
| Upper Division Related Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 13 | | |

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BME 490: Biomedical Engineering Capstone Design II (L) | 4 | C | • Select your Upper Division Related Elective courses from the approved list found at the bottom of the major map.<br>• The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of term 8, all must be completed; however, the combinations may vary. |
| Upper Division Related Elective | 2 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Bioscience Electives |
|---|
| BIO 182: General Biology II (SG) |
| BIO 201: Human Anatomy and Physiology I (SG) |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) |
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |

| Upper Division Engineering Electives |
|---|
| BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS) |
| BME 340: Thermodynamics for Biomedical Engineers or CHE 342: Introduction to Applied Chemical Thermodynamics |
| BME 465: Magnetic Resonance Imaging |
| BME 494: Bioenergy and Microbial Biotechnology |
| BME 494: Finite Element Modeling for Biomedical Application |
| BME 494: Medical Imaging Instrumentation |
| BME 494: Polymeric Drug Delivery |
| BME 494: Systems Biology of Disease |
| BME 494: Technology for Global Health |
| BMI 311: Modeling Biomedical Knowledge |
| CEE 384: Numerical Methods for Engineers (CS) |
| CHE 468: Polymer Principles and Processing |
| CHE 473: Fuel Cells and Biofuel Cells |
| CHE 478: Biomass Energy Conversion Technology |
| CHE 479: Microbial Bioprocess Engineering |

| Upper Division Related Electives |
|---|
| ACC 382: Accounting and Financial Analysis |
| BCH 361: Advanced Principles of Biochemistry |
| BCH 367: Elementary Biochemistry Laboratory |
| BCH 461: General Biochemistry |
| BCH 462: General Biochemistry |
| BCH 467: Analytical Biochemistry Laboratory (L) |
| BIO 302: Cancer--Mother of All Diseases (L) |
| BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) |
| BIO 331: Animal Behavior |
| BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins |
| BIO 345: Evolution |
| BIO 360: Animal Physiology |
| BIO 440: Functional Genomics or MBB 440: Functional Genomics |
| BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging |
| BIO 467: Neurobiology |
| BME 394: Honors Research |
| BME 394: SBHSE Research Projects |

- CHE 494: Fundamentals of Scaleup
- CHE 494: Nanobiotechnology
- CHE 494: Soft Matter Morphology
- CHE 494: Sustainable Macromolecular Synthesis
- CHM 325: Analytical Chemistry
- CHM 341: Elementary Physical Chemistry or BCH 341: Physical Chemistry with a Biological Focus
- CSE 340: Principles of Programming Languages
- DAT 301: Exploring Data in R and Python
- EEE 334: Circuits II
- EEE 350: Random Signal Analysis
- EEE 352: Properties of Electronic Materials
- EEE 407: Digital Signal Processing
- EEE 481: Computer-Controlled Systems
- HCD 403: Process Engineering
- IEE 300: Economic Analysis for Engineers
- IEE 380: Probability and Statistics for Engineering Problem Solving (CS)
- IEE 381: Lean Six Sigma Methodology
- MAE 384: Advanced Mathematical Methods for Engineers (CS)
- MAT 451: Mathematical Modeling (CS)
- MEE 322: Structural Mechanics
- MEE 340: Heat Transfer
- MSE 415: Mathematical and Computer Methods in Materials (CS)
- MSE 440: Mechanical Behavior of Materials
- MSE 450: Introduction to Materials Characterization
- MSE 451: Nanomaterials and Electronics Characterization Lab
- MSE 470: Polymers and Composites
- MSE 471: Introduction to Ceramics
- MSE 482: Materials Engineering Design (L)
- TWC 446: Technical and Scientific Reports (L)
- BME 492: Honors Directed Study
- BME 493: Honors Thesis (L)
- BMI 465: Introduction to Comparative Genomics
- BUA 380: Small Business Leadership
- BUA 381: Small Business Accounting and Finance
- BUA 383: Small Business Working Relationships
- BUS 384: Business Operations and Planning
- CHE 475: Biochemical Engineering
- CHM 302: Environmental Chemistry
- CHM 326: Advanced Analytical Chemistry Laboratory
- CIS 300: Web Design and Development
- COM 312: Communication, Conflict, and Negotiation
- CSE 310: Data Structures and Algorithms
- CSE 412: Database Management
- ECN 306: Survey of International Economics (SB & G)

| Upper Division Related Electives continued |
| --- |
| EDP 310: Developing as a Leader (SB) |
| EDP 310: Emotional Intelligence (SB) |
| EDP 310: Gender Development (SB) |
| EDP 310: Learning and Memory (SB) |
| EDP 310: Motivation (SB) |
| EDP 310: Understanding the Brain (SB) |
| EEE 307: Signal Processing for Digital Culture |
| EEE 407: Digital Signal Processing |
| EEE 480: Feedback Systems |
| ENT 305: Principles of Entrepreneurship |
| FIN 300: Fundamentals of Finance |
| FIN 380: Personal Financial Management |
| FSE 301: Entrepreneurship and Value Creation or ENT 360: Entrepreneurship and Value Creation |
| HCR 350: Introduction to Clinical Research |
| IEE 320: Extreme Excel |
| IEE 369: Work Analysis and Design (L) |
| IEE 431: Engineering Administration (L) |
| IND 464: Collaborative Design Development I (L) |
| IND 465: Collaborative Design Development II (L) |
| KIN 334: Functional Anatomy and Kinesiology |
| KIN 340: Physiology of Exercise |
| KIN 412: Biomechanics of the Skeletal System |
| KIN 413: Qualitative Analysis in Sport Biomechanics |
| KIN 414: Electromyographic Kinesiology (L) |
| KIN 440: Exercise Biochemistry |
| LES 305: Business Law and Ethics for Managers |
| LES 380: Consumer Perspective of Business Law |
| TWC 451: Copyright and Intellectual Property in the Electronic Age |

| Upper Division Related Electives, continued |
| --- |
| MGT 300: Principles of Management and Leadership |
| MGT 302: Principles of International Business (G) |
| MGT 380: Management and Strategy for Nonmajors |
| MIC 314: HIV/AIDS: Science, Behavior, and Society |
| MIC 360: Bacterial Physiology |
| MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations |
| MKT 300: Marketing and Business Performance |
| MKT 370: Professional Sales and Relationship Management |
| MKT 390: Essentials of Marketing |
| MKT 391: Essentials of Selling |
| MSE 330: Thermodynamics of Materials |
| MSE 335: Materials Kinetics |
| MSE 355: Structure and Defects |
| MSE 356: Thin Film and Microelectronic Devices Lab |
| MSE 420: Advanced Metallurgical Alloys and Processes |
| MSE 421: Physical Metallurgy Laboratory |
| MSE 442: Fatigue, Fracture, and Creep of Materials |
| MSE 458: Electronic, Magnetic, and Optical Properties |
| MSE 460: Nanomaterials in Energy Production and Storage |
| NTR 457: Sports Nutrition |
| PAF 301: Applied Statistics (CS) |
| PAF 410: Building Leadership Skills (SB) |
| PHI 306: Applied Ethics (HU) |
| PHI 313: Probability, Evidence, and Decision |

LSC 347: Fundamentals of Genetics

MAE 318: System Dynamics and Control I

MAE 341: Mechanism Analysis and Design

MAE 417: System Dynamics and Control II

MAT 300: Mathematical Structures (L)

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra

MAT 460: Vector Calculus

MAT 462: Applied Partial Differential Equations

MBB 343: Genetic Engineering and Society (L) or BIO 343: Genetic Engineering and Society (L)

PHY 361: Introductory Modern Physics

PSY 325: Physiological Psychology

PSY 470: Psychopharmacology

SCM 300: Global Supply Operations

SOC 334: Technology and Society (L or SB)

STP 420: Introductory Applied Statistics (CS)

STP 421: Probability

STP 429: Applied Regression (CS)

STS 304: Science, Technology and Society (SB)

STS 332: Global Issues in Science and Technology (SB)

TEM 330: Systems Innovation

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biomedical Engineering (Biomedical Devices), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESBMEMDBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-BME: The ASU Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all students.<br>• If ENG 105 is taken, a three credit hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| CHM 114: General Chemistry for Engineers (SQ) | 4 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete FSE 100 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Select your Bioscience Elective course(s) from the approved list found at the bottom of the major map.<br>• Prep for success using the Sophomore Guide. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C | |

| | | |
|---|---|---|
| BME 210: Programming for Biomedical Engineers: Introduction to Computers, Programming and Data (CS) | 3 | C |
| Bioscience Elective | 4 | C |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 200: Conservation Principles in Biomedical Engineering | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| BME 235: Physiology for Engineers | 4 | C | |
| EEE 202: Circuits I | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 350: Signals and Systems for Bioengineers | 3 | C | • The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of term 8, all must be completed; however, the combinations may vary.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| BME 213: Biomedical and Bioengineering Ethics | 1 | C | |
| BME 301: Numerical Methods in Biomedical Engineering | 2 | C | |
| BME 316: Biomechanics for Biomedical Engineers | 3 | C | |
| BME 331: Transport Phenomena for Biomedical Engineering | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 370: Microcomputer Applications in Biomedical Engineering | 3 | C | • Select your Upper Division Engineering Elective course(s) from the approved list found at the bottom of the major map.<br>• The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of term 8, all must be completed; however, the combinations may vary.<br>• Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| BME 300: Bioengineering Product Design | 3 | C | |
| BME 318: Biomaterials | 4 | C | |
| Upper Division Engineering Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 91 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BME 417: Biomedical Engineering Capstone Design I (L) | 4 | C | • Select your Upper Division Related Elective courses from the approved list found at the bottom of the major map.<br>• The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of term 8, all must be completed; however, the combinations may vary.<br>• Plan for success using the Senior Guide. |
| BME 413: Biomedical Instrumentation (L) | 3 | C | |
| BME 423: Biomedical Instrumentation Laboratory (L) | 1 | C | |
| *Complete 2 courses:*<br>Upper Division Related Elective | 5 | C | |
| Term hours subtotal: | 13 | | |

- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BME 490: Biomedical Engineering Capstone Design II (L) | 4 | C | • Select your Upper Division Related Elective courses from the approved list found at the bottom of the major map.<br>• The general studies requirements for HU, SB, and the awareness areas (C, G, H) do not have to be taken in exact combinations as outlined on the major map. By the end of term 8, all must be completed; however, the combinations may vary. |
| Upper Division Related Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

Hide Course List(s)/Track Group(s)

| Bioscience Electives |
|---|
| BIO 182: General Biology II (SG) |
| BIO 201: Human Anatomy and Physiology I (SG) |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) |
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |

| Upper Division Engineering Electives |
|---|
| BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS) |
| BME 340: Thermodynamics for Biomedical Engineers or CHE 342: Introduction to Applied Chemical Thermodynamics |
| BME 465: Magnetic Resonance Imaging |
| BME 494: Bioenergy and Microbial Biotechnology |
| BME 494: Finite Element Modeling for Biomedical Application |
| BME 494: Medical Imaging Instrumentation |
| BME 494: Polymeric Drug Delivery |
| BME 494: Systems Biology of Disease |
| BME 494: Technology for Global Health |
| BMI 311: Modeling Biomedical Knowledge |
| CEE 384: Numerical Methods for Engineers (CS) |
| CHE 468: Polymer Principles and Processing |
| CHE 473: Fuel Cells and Biofuel Cells |
| CHE 478: Biomass Energy Conversion Technology |
| CHE 479: Microbial Bioprocess Engineering |
| CHE 494: Fundamentals of Scaleup |

| Upper Division Related Electives |
|---|
| ACC 382: Accounting and Financial Analysis |
| BCH 361: Advanced Principles of Biochemistry |
| BCH 367: Elementary Biochemistry Laboratory |
| BCH 461: General Biochemistry |
| BCH 462: General Biochemistry |
| BCH 467: Analytical Biochemistry Laboratory (L) |
| BIO 302: Cancer--Mother of All Diseases (L) |
| BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) |
| BIO 331: Animal Behavior |
| BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins |
| BIO 345: Evolution |
| BIO 360: Animal Physiology |
| BIO 440: Functional Genomics or MBB 440: Functional Genomics |
| BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging |
| BIO 467: Neurobiology |
| BME 394: Honors Research |
| BME 394: SBHSE Research Projects |

- CHE 494: Nanobiotechnology
- CHE 494: Soft Matter Morphology
- CHE 494: Sustainable Macromolecular Synthesis
- CHM 325: Analytical Chemistry
- CHM 341: Elementary Physical Chemistry or BCH 341: Physical Chemistry with a Biological Focus
- CSE 340: Principles of Programming Languages
- DAT 301: Exploring Data in R and Python
- EEE 334: Circuits II
- EEE 350: Random Signal Analysis
- EEE 352: Properties of Electronic Materials
- EEE 407: Digital Signal Processing
- EEE 481: Computer-Controlled Systems
- HCD 403: Process Engineering
- IEE 300: Economic Analysis for Engineers
- IEE 380: Probability and Statistics for Engineering Problem Solving (CS)
- IEE 381: Lean Six Sigma Methodology
- MAE 384: Advanced Mathematical Methods for Engineers (CS)
- MAT 451: Mathematical Modeling (CS)
- MEE 322: Structural Mechanics
- MEE 340: Heat Transfer
- MSE 415: Mathematical and Computer Methods in Materials (CS)
- MSE 440: Mechanical Behavior of Materials
- MSE 450: Introduction to Materials Characterization
- MSE 451: Nanomaterials and Electronics Characterization Lab
- MSE 470: Polymers and Composites
- MSE 471: Introduction to Ceramics
- MSE 482: Materials Engineering Design (L)
- TWC 446: Technical and Scientific Reports (L)
- TWC 451: Copyright and Intellectual Property in the Electronic Age
- BME 492: Honors Directed Study
- BME 493: Honors Thesis (L)
- BMI 465: Introduction to Comparative Genomics
- BUA 380: Small Business Leadership
- BUA 381: Small Business Accounting and Finance
- BUA 383: Small Business Working Relationships
- BUS 384: Business Operations and Planning
- CHE 475: Biochemical Engineering
- CHM 302: Environmental Chemistry
- CHM 326: Advanced Analytical Chemistry Laboratory
- CIS 300: Web Design and Development
- COM 312: Communication, Conflict, and Negotiation
- CSE 310: Data Structures and Algorithms
- CSE 412: Database Management
- ECN 306: Survey of International Economics (SB & G)

| Upper Division Related Electives continued |
| --- |
| EDP 310: Developing as a Leader (SB) |
| EDP 310: Emotional Intelligence (SB) |
| EDP 310: Gender Development (SB) |
| EDP 310: Learning and Memory (SB) |
| EDP 310: Motivation (SB) |
| EDP 310: Understanding the Brain (SB) |
| EEE 307: Signal Processing for Digital Culture |
| EEE 407: Digital Signal Processing |
| EEE 480: Feedback Systems |
| ENT 305: Principles of Entrepreneurship |
| FIN 300: Fundamentals of Finance |
| FIN 380: Personal Financial Management |
| FSE 301: Entrepreneurship and Value Creation or ENT 360: Entrepreneurship and Value Creation |
| HCR 350: Introduction to Clinical Research |
| IEE 320: Extreme Excel |
| IEE 369: Work Analysis and Design (L) |
| IEE 431: Engineering Administration (L) |
| IND 464: Collaborative Design Development I (L) |
| IND 465: Collaborative Design Development II (L) |
| KIN 334: Functional Anatomy and Kinesiology |
| KIN 340: Physiology of Exercise |
| KIN 412: Biomechanics of the Skeletal System |
| KIN 413: Qualitative Analysis in Sport Biomechanics |
| KIN 414: Electromyographic Kinesiology (L) |
| KIN 440: Exercise Biochemistry |
| LES 305: Business Law and Ethics for Managers |
| LES 380: Consumer Perspective of Business Law |
| LSC 347: Fundamentals of Genetics |
| MAE 318: System Dynamics and Control I |

| Upper Division Related Electives, continued |
| --- |
| MGT 300: Principles of Management and Leadership |
| MGT 302: Principles of International Business (G) |
| MGT 380: Management and Strategy for Nonmajors |
| MIC 314: HIV/AIDS: Science, Behavior, and Society |
| MIC 360: Bacterial Physiology |
| MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations |
| MKT 300: Marketing and Business Performance |
| MKT 370: Professional Sales and Relationship Management |
| MKT 390: Essentials of Marketing |
| MKT 391: Essentials of Selling |
| MSE 330: Thermodynamics of Materials |
| MSE 335: Materials Kinetics |
| MSE 355: Structure and Defects |
| MSE 356: Thin Film and Microelectronic Devices Lab |
| MSE 420: Advanced Metallurgical Alloys and Processes |
| MSE 421: Physical Metallurgy Laboratory |
| MSE 442: Fatigue, Fracture, and Creep of Materials |
| MSE 458: Electronic, Magnetic, and Optical Properties |
| MSE 460: Nanomaterials in Energy Production and Storage |
| NTR 457: Sports Nutrition |
| PAF 301: Applied Statistics (CS) |
| PAF 410: Building Leadership Skills (SB) |
| PHI 306: Applied Ethics (HU) |
| PHI 313: Probability, Evidence, and Decision |
| PHY 361: Introductory Modern Physics |
| PSY 325: Physiological Psychology |

MAE 341: Mechanism Analysis and Design

MAE 417: System Dynamics and Control II

MAT 300: Mathematical Structures (L)

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra

MAT 460: Vector Calculus

MAT 462: Applied Partial Differential Equations

MBB 343: Genetic Engineering and Society (L) or BIO 343: Genetic Engineering and Society (L)

PSY 470: Psychopharmacology

SCM 300: Global Supply Operations

SOC 334: Technology and Society (L or SB)

STP 420: Introductory Applied Statistics (CS)

STP 421: Probability

STP 429: Applied Regression (CS)

STS 304: Science, Technology and Society (SB)

STS 332: Global Issues in Science and Technology (SB)

TEM 330: Systems Innovation

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Chemical Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCHEBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • ASU 101 or college specific equivalent First-Year Seminar required of all first-year students.<br>• FSE 100 required for first-year students and should be completed the first semester. Non-first-year students: see advisor for petitioning replacement electives.<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| FSE 100: Introduction to Engineering | 2 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ASU 101-CHE: The ASU Experience | 1 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHE 211: Introduction to Chemical Processing | 3 | C | • For more information about Bioscience Elective course options, please visit here. |
| MAT 242: Elementary Linear Algebra | 2 | C | |

| | | | |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | • Prep for success using the Sophomore Guide. |
| CHM 233: General Organic Chemistry I | 3 | C | |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| Bioscience Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| **Term 4 45 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHE 231: Introduction to Transport Phenomena I: Fluids | 3 | C | • For more information about the Engineering Elective, please visit here.<br>• Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| CHM 234: General Organic Chemistry II | 3 | C | |
| Engineering Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHE 334: Introduction to Transport Phenomena II: Heat and Mass Transfer | 3 | C | • For more information about the Upper Division Advanced Chemistry/Biochemistry Technical Elective, please visit here.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CHE 342: Introduction to Applied Chemical Thermodynamics | 3 | C | |
| CHE 384: Numerical Methods for Chemical Engineers (CS) | 3 | C | |
| Upper Division Advanced Chemistry/Biochemistry Technical Elective | 3 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHE 433: Modern Separations | 3 | C | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| CHE 442: Introduction to Chemical Reactor Design | 3 | C | |
| CHE 352: Chemical Engineering Lab I (L) | 3 | C | |
| IEE 300: Economic Analysis for Engineers | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHE 432: Principles of Chemical Engineering Design | 3 | C | • For more information about Upper Division CHE Technical Electives, please visit here.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| CHE 451: Chemical Engineering Laboratory II | 3 | | |
| CHE 461: Process Dynamic Control (CS) | 3 | | |
| Upper Division CHE Technical Elective | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHE 462: Process Design (L) | 3 | | • For more information about Upper Division Advanced Chemistry/Biochemistry Technical Electives, Upper Division CHE Technical Electives, and Upper Division Natural Science or Materials Science Technical Electives, please visit: CHE Elective Course Options |
| Upper Division Advanced Chemistry/Biochemistry Technical Elective | 3 | | |
| Upper Division CHE Technical Elective | 3 | | |
| Upper Division Natural Science or Materials Science Technical Elective | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

- For a list of Engineering Electives, Upper Division Advanced Chemistry/Biochemistry Technical Electives, CHE Upper Division Technical Electives, and Upper Division Natural Science or MSE Technical Elective course options please visit: CHE Elective Course Options.

Hide Course List(s)/Track Group(s)

| Bioscience Electives |
|---|
| BIO 181: General Biology I (SQ) |
| BIO 182: General Biology II (SG) |
| BIO 201: Human Anatomy and Physiology I (SG) |
| BIO 202: Human Anatomy and Physiology II (SG) |
| BME 111: Engineering Perspectives on Biological Systems |
| BME 494: Chimeras and Recombinant Organisms in Medicine |
| MIC 205: Microbiology (SG) |
| MIC 220: Biology of Microorganisms |

| Engineering Elective |
|---|
| BME 235: Physiology for Engineers |
| BME 465: Magnetic Resonance Imaging |
| BME 494: Bioenergy and Microbial Biotechnology |
| BME 494: Biomedical Device Design |
| BME 494: Finite Element Modeling for Biomedical Application |
| BME 494: Molecular Medicine |
| BME 494: Molecular Synthetic Biology |
| CEE 210: Engineering Mechanics I: Statics |
| CEE 400: Earth Systems Engineering and Management ((L or HU) & H) |
| CEE 494: Sustainable Energy and Material Use |
| CSE 205: Object-Oriented Programming and Data Structures (CS) |
| DAT 301: Exploring Data in R and Python |
| EEE 202: Circuits I |
| EEE 241: Fundamentals of Electromagnetics |
| EEE 307: Signal Processing for Digital Culture |
| EEE 498: Manufacturing Science of Solar Cells |

| Upper Division CHE Technical Electives |
|---|
| CHE 4** Elective |
| By approval only: |
| CHE 484: Internship |
| CHE 492: Honors Directed Study |
| CHE 493: Honors Thesis (L) |
| CHE 499: Individualized Instruction |

| | |
|---|---|
| | EGR 494: Engineering in Semiconductors and Microelectronics |
| | FSE 301: Entrepreneurship and Value Creation |
| | FSE 394: Engineering in Global Context |
| | FSE 494: Nuclear Prolif Secur & Safegrd |
| | IEE 380: Probability and Statistics for Engineering Problem Solving (CS) |
| | IEE 385: Engineering Statistics: Probability |
| | MAE 494: Quantum Mech Eng: SW and HW of Quantum Computers or MSE 494: Quantum Mech Eng: SW and HW of Quantum Computers |
| | MSE 250: Structure and Properties of Materials |
| | MSE 435: Computational Materials Science and Engineering |
| | MSE 460: Nanomaterials in Energy Production and Storage |
| | MSE 466: Electrochemical Energy Storage and Conversion |
| | MSE 494: Bioinspired Materials and Biomaterials |
| | MSE 494: Electrochemical Materials Science |
| | MSE 494: Failure Analysis of Metallic Materials |
| | MSE 494: Manufacturing Processes for Structural Materials |
| | Note: MSE 208, 301, or 308 cannot be used. |
| | Note: Students taking IEE 380 or IEE 385 cannot take STP 420 or STP 421 for Natural Science/Materials Elective. |
| Upper Division Advanced Chemistry/Biochemistry Technical Elective | Upper Division Natural Science or Materials Science Technical Electives |
| BCH 341: Physical Chemistry with a Biological Focus or CHM 341: Elementary Physical Chemistry or CHM 345: Physical Chemistry I | BCH 494: Bioenergy and Microbial Biotechnology |
| BCH 361: Advanced Principles of Biochemistry | BCH 494: Chemical Biology |
| BCH 461: General Biochemistry | BCH 494: Protein Biochemistry |
| BCH 463: Biophysical Chemistry | BIO 302: Cancer--Mother of All Diseases (L) |
| BCH 494: Chemical Biology | BIO 320: Fundamentals of Ecology |
| | BIO 325: Oceanography |
| | BIO 340: General Genetics |

- BCH 494: Molecular Diagnostics
- BCH 494: Protein Biochemistry
- CHM 302: Environmental Chemistry
- CHM 325: Analytical Chemistry
- CHM 433: Advanced Organic Chemistry I
- CHM 435: Medicinal Chemistry
- CHM 453: Inorganic Chemistry
- CHM 471: Solid-State Chemistry
- CHM 481: Geochemistry
- CHM 494: Bioinorganic
- CHM 494: Characterization Meth.of Inorg.Compounds&Materials
- CHM 494: Chemistry of Atmospheres
- CHM 494: Environmental Monitoring and Assessment Techniques
- CHM 494: Nanomaterials
- CHM 494: Organometallic Chemistry
- CHM 494: Sustainable Macromolecular Synthesis
- CHM 494: Thermodynamics of Natural Systems
- BIO 353: Cell Biology
- BIO 494: Environmental Systems Biology
- BME 465: Magnetic Resonance Imaging
- BME 494: Bioenergy and Microbial Biotechnology
- BME 494: Biomedical Device Design
- BME 494: Finite Element Modeling for Biomedical Application
- BME 494: Molecular Medicine
- BME 494: Molecular Synthetic Biology
- BME 494: Polymeric Drug Delivery
- CEE 494: Sustainable Energy and Material Use
- EEE 352: Properties of Electronic Materials
- EEE 435: Fundamentals of CMOS and MEMS
- EEE 436: Fundamentals of Solid-State Devices
- EEE 460: Nuclear Power Engineering
- EEE 463: Electrical Power Plants
- EEE 465: Photovoltaic Energy Conversion
- EEE 498: Manufacturing Science of Solar Cells
- GLG 321: Mineralogy
- GLG 418: Geophysics
- GLG 419: Geodynamics
- GLG 481: Geochemistry
- GLG 494: Environmental Systems Biology
- MAE 404: Finite Elements in Engineering
- MAT 310: Introduction to Geometry
- MBB 347: Molecular Genetics: From Genes to Proteins
- MIC 360: Bacterial Physiology
- MIC 420: Immunology: Molecular and Cellular Foundations
- MIC 441: Bacterial Genetics
- MIC 445: Techniques in Molecular Biology/Genetics
- MIC 461: Geomicrobiology
- MSE 355: Structure and Defects

| |
|---|
| MSE 435: Computational Materials Science and Engineering |
| MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids |
| MSE 460: Nanomaterials in Energy Production and Storage |
| MSE 466: Electrochemical Energy Storage and Conversion |
| MSE 494: Battery Materials Science and Engineering |
| MSE 494: Bioinspired Materials and Biomaterials |
| MSE 494: Composite Materials |
| MSE 494: Electrochemical Materials Science |
| MSE 494: Failure Analysis of Metallic Materials |
| MSE 494: Introduction to Powder Processing |
| MSE 494: Manufacturing Processes for Structural Materials |
| PHY 312: Mechanics and Electromagnetism |
| PHY 331: Principles of Modern Electromagnetism |
| PHY 361: Introductory Modern Physics |
| PHY 494: Introduction to Nanoscience |
| STP 420: Introductory Applied Statistics (CS) |
| STP 421: Probability |
| Note: MSE 301 or 308 cannot be used. |
| Note: Students taking STP 420 or STP 421 cannot take IEE 380 or IEE 385 for Engineering Elective. |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Civil Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCEEBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSE 100: Introduction to Engineering | 2 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be completed the first semester.<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ASU 101-CEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 210: Engineering Mechanics I: Statics | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |

| | | |
|---|---|---|
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 212: Engineering Mechanics II: Dynamics | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CEE 213: Introduction to Deformable Solids | 3 | C | |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ) | 3-4 | | |
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | | |
| MAE 241: Introduction to Thermodynamics | 3 | | |
| Term hours subtotal: | 15-16 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 321: Structural Analysis and Design | 4 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CEE 351: Geotechnical Engineering | 4 | | |
| CEE 353: Civil Engineering Materials | 4 | | |
| CEE 384: Numerical Methods for Engineers (CS) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 77 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 300: Engineering Business Practice (L) | 3 | | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| CEE 361: Introduction to Environmental Engineering | 4 | | |
| CEE 341: Fluid Mechanics for Civil Engineers | 4 | | |
| CEE 372: Transportation Engineering | 3 | | |
| BIO OR CEE OR CHM OR GLG OR MAE OR MAT OR MEE OR EGR Elective | 1 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 400: Earth Systems Engineering and Management ((L or HU) & H) | 3 | | • Technical Elective and Design Elective requirements: See advisor for guidance in selection.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in-person or virtual practice interview. |
| Upper Division Design Elective | 3 | | |
| *Complete 3 courses:*<br>Technical Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CEE 486: Integrated Civil Engineering Design (L) | 4 | | • Technical Elective and Design Elective requirements: See advisor for guidance in selection. |
| Upper Division Design Elective | 3 | | |
| Technical Elective | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

| Technical Elective |
|---|
| CEE 281: Surveying |
| CEE 412: Pavement Analysis and Design |
| CEE 420: Steel Structures |
| CEE 421: Concrete Structures |
| CEE 423: Structural Design |
| CEE 440: Hydrology |
| CEE 441: Water Resources Engineering |
| CEE 452: Foundations |
| CEE 453: Earth Structures Engineering |
| CEE 462: Unit Operations in Environmental Engineering |
| CEE 466: Urban Water System Design |
| CEE 467: Environmental Microbiology |
| CEE 474: Transportation Systems Planning |
| CEE 475: Highway Geometric Design |
| CEE 481: Civil Engineering Project Management |
| CEE 483: Highway Materials, Construction, and Quality |
| CEE 493: Honors Thesis (L) |
| CHE 469: Air Quality Engineering |
| CON 453: Construction Technology |
| FSE 301: Entrepreneurship and Value Creation |
| IEE 431: Engineering Administration (L) |

| Design Elective |
|---|
| CEE 412: Pavement Analysis and Design |
| CEE 420: Steel Structures |
| CEE 421: Concrete Structures |
| CEE 441: Water Resources Engineering |
| CEE 452: Foundations |
| CEE 462: Unit Operations in Environmental Engineering |
| CEE 466: Urban Water System Design |
| CEE 475: Highway Geometric Design |

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Civil Engineering (Sustainable Engineering), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCEESUBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSE 100: Introduction to Engineering | 2 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be completed the first semester.<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ASU 101-CEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| CEE 181: Technological, Social, and Sustainable Systems (HU) | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 210: Engineering Mechanics I: Statics | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |

| | | |
|---|---|---|
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 212: Engineering Mechanics II: Dynamics | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CEE 213: Introduction to Deformable Solids | 3 | C | |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ) | 3 | | |
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | | |
| MAE 241: Introduction to Thermodynamics | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 361: Introduction to Environmental Engineering | 4 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CEE 341: Fluid Mechanics for Civil Engineers | 4 | | |
| CEE 353: Civil Engineering Materials | 4 | | |
| CEE 384: Numerical Methods for Engineers (CS) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 77 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 300: Engineering Business Practice (L) | 3 | | • Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| CEE 321: Structural Analysis and Design | 4 | | |
| CEE 351: Geotechnical Engineering | 4 | | |
| CEE 372: Transportation Engineering | 3 | | |
| Elective | 1 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 300: Advanced Concepts and Integrated Approaches in Sustainability | 3 | | • Design Elective requirements: See advisor for guidance in selection.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| CEE 485: Sustainable Civil and Environmental Systems Engineering | 3 | | |
| *Complete 2 courses:*<br>Upper Division Design Elective | 6 | | |
| Technical Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ⭐ | CEE 486: Integrated Civil Engineering Design (L) | 4 | |
| | CEE 400: Earth Systems Engineering and Management ((L or HU) & H) | 3 | |
| | Technical Elective | 3 | |
| | Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| | Term hours subtotal: | 13 | |

- Technical Elective requirements: See advisor for guidance in selection.

Hide Course List(s)/Track Group(s)

| Design Electives |
|---|
| CEE 412: Pavement Analysis and Design |
| CEE 420: Steel Structures |
| CEE 421: Concrete Structures |
| CEE 441: Water Resources Engineering |
| CEE 452: Foundations |
| CEE 462: Unit Operations in Environmental Engineering |
| CEE 466: Urban Water System Design |
| CEE 475: Highway Geometric Design |

| Approved Technical Elective |
|---|
| BCH 361: Advanced Principles of Biochemistry |
| BIO 320: Fundamentals of Ecology |
| CEE 281: Surveying |
| CEE 412: Pavement Analysis and Design |
| CEE 420: Steel Structures |
| CEE 421: Concrete Structures |
| CEE 440: Hydrology |
| CEE 441: Water Resources Engineering |
| CEE 452: Foundations |
| CEE 462: Unit Operations in Environmental Engineering |
| CEE 466: Urban Water System Design |
| CEE 474: Transportation Systems Planning |
| CEE 475: Highway Geometric Design |
| CEE 481: Civil Engineering Project Management |
| CEE 483: Highway Materials, Construction, and Quality |
| CEE 493: Honors Thesis (L) |
| CEE 494: Sustainable Energy and Material Use |
| CEE 499: Individualized Instruction |
| CHM 302: Environmental Chemistry |
| CHM 341: Elementary Physical Chemistry |
| CON 453: Construction Technology |
| PUP 442: Environmental Planning |

**Notes:**

-

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Computer Science, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCSEBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.<br>• If ENG 105 is taken, a three credit hour elective must also be taken prior to graduation.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions . |
| ASU 101-CAI: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 120: Digital Design Fundamentals | 3 | C | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area. |
| CSE 240: Introduction to Programming Languages | 3 | C | |
| MAT 243: Discrete Mathematical Structures | 3 | C | |

| | | | |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science | 3 | C | • Prep for success using the Sophomore Guide. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete MAT 266 OR MAT 271 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 230: Computer Organization and Assembly Language Programming | 3 | C | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area.<br>• Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CSE 310: Data Structures and Algorithms | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete CSE 259 OR MAT 267 OR MAT 272 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 355: Introduction to Theoretical Computer Science | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CSE 301: Computing Ethics | 1 | C | |
| CSE 360: Introduction to Software Engineering | 3 | C | |
| CSE 365: Information Assurance | 3 | C | |
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 79 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 340: Principles of Programming Languages | 3 | C | • Research and prepare for graduate school.<br>• Apply for an engineering accelerated program.<br>• Develop a professional profile online. |
| CSE 330: Operating Systems | 3 | C | |
| CSE 412: Database Management OR CSE 434: Computer Networks OR CSE 445: Distributed Software Development | 3 | C | |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 485: Computer Science Capstone Project I (L) | 3 | C | • Please see course lists below for Technical Electives. Contact SCAI Advising or visit the SCAI website for additional information.<br>• Plan for success using the Senior Guide. |
| Upper Division Technical Elective | 3 | C | |
| *Complete 2 courses:*<br>CSE 4** Elective | 6 | C | |

| | | |
|---|---|---|
| Elective | 2 | |
| Term hours subtotal: | 14 | |

- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 486: Computer Science Capstone Project II (L) | 3 | C | • Please see course lists below for Technical Electives. Contact SCAI Advising or visit the SCAI website for additional information. |
| Upper Division Technical Elective | 3 | C | |
| *Complete 2 courses:*<br>CSE 4** Elective | 6 | C | |
| Term hours subtotal: | 12 | | |

- Maximum three hours of FSE 301 or FSE 404 can be applied towards major requirements.
- Maximum six hours of CSE 484, CSE 492, CSE 493, CSE 499, FSE 301, and FSE 404 can be applied towards major requirements.
- CSE 475 or DAT 402 can be applied towards major requirements but not both.
- Technical Electives may require additional prerequisites.
- For additional information on major curriculum, please visit theÂComputer Science Degree Requirements website.

Hide Course List(s)/Track Group(s)

| Technical Electives |
|---|
| AEE 415: Vibration Analysis |
| AEE 426: Design of Aerospace Structures |
| AEE 462: Space Vehicle Dynamics and Control |
| AEE 463: Aircraft Propulsion |
| AEE 465: Rocket Propulsion |
| AEE 468: Aircraft Systems Design |
| AEE 471: Computational Fluid Dynamics |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| BCH 361: Advanced Principles of Biochemistry |
| BCH 461: General Biochemistry |
| BCH 462: General Biochemistry |
| BIO 340: General Genetics |
| BIO 343: Genetic Engineering and Society (L) |
| BIO 345: Evolution |
| BME 350: Signals and Systems for Bioengineers |

| Technical Electives continued |
|---|
| EEE 360: Energy Systems and Power Electronics |
| EEE 404: Real-Time DSP Systems |
| EEE 407: Digital Signal Processing |
| EEE 425: Digital Systems and Circuits |
| EEE 433: Analog Integrated Circuits |
| EEE 434: Quantum Mechanics for Engineers |
| EEE 435: Fundamentals of CMOS and MEMS |
| EEE 436: Fundamentals of Solid-State Devices |
| EEE 437: Optoelectronics |
| EEE 439: Semiconductor Facilities and Cleanroom Practices |
| EEE 443: Antennas for Wireless Communications |
| EEE 445: Microwaves |
| EEE 448: Fiber Optics |
| EEE 455: Communication Systems |
| EEE 459: Communication Networks |

- BME 413: Biomedical Instrumentation (L)
- BME 416: Advanced Biomechanics
- BME 494: Applied Computational Behavioral Science
- CEE 412: Pavement Analysis and Design
- CEE 432: Developing Software for Engineering Applications
- CEE 440: Hydrology
- CEE 441: Water Resources Engineering
- CEE 452: Foundations
- CEE 462: Unit Operations in Environmental Engineering
- CEE 466: Urban Water System Design
- CEE 467: Environmental Microbiology
- CEE 474: Transportation Systems Planning
- CEE 475: Highway Geometric Design
- CEE 481: Civil Engineering Project Management
- CEE 483: Highway Materials, Construction, and Quality
- CEE 486: Integrated Civil Engineering Design (L)
- CHE 342: Introduction to Applied Chemical Thermodynamics
- CHE 432: Principles of Chemical Engineering Design
- CHE 442: Introduction to Chemical Reactor Design
- CHE 461: Process Dynamic Control (CS)
- CHE 462: Process Design (L)
- CHE 469: Air Quality Engineering
- CHE 475: Biochemical Engineering
- CIS 415: Big Data Analytics in Business
- CPI 311: Game Engine Development
- CPI 350: Evaluation of Informatics Systems
- CPI 360: Decision Making and Problem Solving
- CPI 411: Graphics for Games
- CPI 460: Intelligent Interactive Instructional Systems
- EEE 460: Nuclear Power Engineering
- EEE 463: Electrical Power Plants
- EEE 470: Electric Power Devices
- EEE 471: Power System Analysis
- EEE 473: Electrical Machinery
- EEE 480: Feedback Systems
- EEE 481: Computer-Controlled Systems
- FSE 301: Entrepreneurship and Value Creation
- FSE 394: Engineering for Humanity
- FSE 404: EPICS Gold: EPICS in Action
- IEE 376: Operations Research Deterministic Techniques/Applications
- IEE 381: Lean Six Sigma Methodology
- IEE 385: Engineering Statistics: Probability
- IEE 412: Introduction to Financial Engineering
- IEE 426: Operations Research in Healthcare
- IEE 431: Engineering Administration (L)
- IEE 456: Introduction to Systems Engineering
- IEE 458: Project Management
- IEE 461: Production Control
- IEE 470: Stochastic Operations Research
- IEE 474: Quality Control
- IEE 475: Simulating Stochastic Systems (CS)
- MAE 341: Mechanism Analysis and Design
- MAE 404: Finite Elements in Engineering
- MAE 417: System Dynamics and Control II
- MAE 436: Combustion
- MAE 455: Polymers and Composites
- MAT Upper Division Elective

  Except for: MAT 300, MAT 340, MAT 342, MAT 343 and MAT 485
- MEE 351: Manufacturing Processes
- MEE 434: Internal Combustion Engines
- MEE 446: Energy Systems Design II
- MSE 335: Materials Kinetics

CPI 462: Design for Learning in Virtual Worlds

CSE 320: Design and Synthesis of Digital Hardware

CSE 325: Embedded Microprocessor Systems

CSE 335: Principles of Mobile Application Development

CSE 4** Elective

DAT 300: Mathematical Tools for Data Science

DAT 301: Exploring Data in R and Python

DAT 401: Statistical Modeling and Inference for Data Science

DAT 402: Machine Learning for Data Science

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages and Programmable Logic

EEE 335: Analog and Digital Circuits

EEE 350: Random Signal Analysis

MSE 415: Mathematical and Computer Methods in Materials (CS)

PHY 302: Mathematical Methods in Physics II

PHY 361: Introductory Modern Physics

PHY 462: Particle and Nuclear Physics

SER 421: Web-Based Applications

SER 422: Web Application Programming

SER 423: Mobile Systems

STP 421: Probability

STP 425: Stochastic Processes

STP 427: Mathematical Statistics

STP 429: Applied Regression (CS)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Computer Science, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Online ASU Local
ESCSEBS

| Term 1 - A 0 - 6 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-CAI: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.<br>• If ENG 105 is taken, a three credit hour elective must also be taken prior to graduation.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions . |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Term hours subtotal: | 6 | | |

| Term 1 - B 6 - 12 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 12 - 18 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 18 - 24 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 120: Digital Design Fundamentals | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 3 - A 24 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 240: Introduction to Programming Languages | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 243: Discrete Mathematical Structures | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 30 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 230: Computer Organization and Assembly Language Programming | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 36 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 310: Data Structures and Algorithms | 3 | C | • CSE 310 and CSE 360 are both Session C courses (15 weeks long). |
| CSE 360: Introduction to Software Engineering | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 42 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area.<br>• Plan for success using the Junior Guide. |
| Elective | 2 | | |
| Complete MAT 266 OR MAT 271 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 48 - 54 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 330: Operating Systems | 3 | C | • CSE 330 and CSE 355 are both Session C courses (15 weeks long). |
| CSE 355: Introduction to Theoretical Computer Science | 3 | C | |
| Complete MAT 267 OR MAT 272 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 54 - 61 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 301: Computing Ethics | 1 | C | |
| Upper Division Technical Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 61 - 67 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 365: Information Assurance | 3 | C | • CSE 365 is a Session C course (15 weeks long).<br>• CSE 412 / CSE 445 are in Session C (15 weeks long).<br>• Develop a professional profile online. |
| CSE 412: Database Management OR CSE 445: Distributed Software Development | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 67 - 73 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 340: Principles of Programming Languages | 3 | C | |
| MAT 343: Applied Linear Algebra | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 73 - 79 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | C | • IEE 380 and the CSE 4** (400-Level) Elective are both Session C courses (15 weeks long). |
| CSE 4** Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 79 - 85 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 85 - 91 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 485: Computer Science Capstone Project I (L) | 3 | C | • CSE 485 and the CSE 4** (400-Level) Elective are both Session C courses (15 weeks long). |
| CSE 4** Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 91 - 98 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 9 - A 98 - 104 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 486: Computer Science Capstone Project II (L) | 3 | C | • CSE 486 and the CSE 4** (400-Level) Elective are both Session C courses (15 weeks long). |
| CSE 4** Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 104 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area. |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 4** Elective | 3 | C | • The CSE 4** (400-Level) Elective is a Session C course (15 weeks long). |
| Upper Division Technical Elective | 3 | C | |

| | | | |
|---|---|---|---|
| | Term hours subtotal: 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 3 | | |

- Maximum three hours of FSE 301 or FSE 404 can be applied towards major requirements.
- Maximum six hours of CSE 484, CSE 492, CSE 493, CSE 499, FSE 301, and FSE 404 can be applied towards major requirements.
- CSE 475 or DAT 402 can be applied towards major requirements but not both.
- Technical Electives may require additional prerequisites.
- For additional information on major curriculum, please visit the Computer Science Degree Requirements website.

Hide Course List(s)/Track Group(s)

| Technical Electives |
|---|
| BCH 361: Advanced Principles of Biochemistry |
| BCH 461: General Biochemistry |
| BCH 462: General Biochemistry |
| BIO 340: General Genetics |
| BIO 345: Evolution |
| CIS 415: Big Data Analytics in Business |
| CSE 4** Elective |
| DAT 300: Mathematical Tools for Data Science |
| DAT 301: Exploring Data in R and Python |
| DAT 401: Statistical Modeling and Inference for Data Science |
| DAT 402: Machine Learning for Data Science |
| EEE 304: Signals and Systems II |
| EEE 333: Hardware Design Languages and Programmable Logic |
| EEE 335: Analog and Digital Circuits |
| EEE 350: Random Signal Analysis |

| Technical Electives continued |
|---|
| EEE 360: Energy Systems and Power Electronics |
| EEE 407: Digital Signal Processing |
| EEE 425: Digital Systems and Circuits |
| EEE 433: Analog Integrated Circuits |
| EEE 434: Quantum Mechanics for Engineers |
| EEE 435: Fundamentals of CMOS and MEMS |
| EEE 436: Fundamentals of Solid-State Devices |
| EEE 439: Semiconductor Facilities and Cleanroom Practices |
| EEE 445: Microwaves |
| EEE 448: Fiber Optics |
| EEE 459: Communication Networks |
| EEE 460: Nuclear Power Engineering |
| EEE 463: Electrical Power Plants |
| EEE 470: Electric Power Devices |
| EEE 471: Power System Analysis |
| EEE 481: Computer-Controlled Systems |
| FSE 301: Entrepreneurship and Value Creation |
| IEE 376: Operations Research Deterministic Techniques/Applications |
| IEE 381: Lean Six Sigma Methodology |

| |
|---|
| IEE 385: Engineering Statistics: Probability |
| IEE 412: Introduction to Financial Engineering |
| IEE 431: Engineering Administration (L) |
| IEE 456: Introduction to Systems Engineering |
| IEE 458: Project Management |
| IEE 461: Production Control |
| IEE 470: Stochastic Operations Research |
| IEE 474: Quality Control |
| MAE 417: System Dynamics and Control II |
| PHY 302: Mathematical Methods in Physics II |
| PHY 361: Introductory Modern Physics |
| SER 421: Web-Based Applications |
| SER 423: Mobile Systems |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Computer Science (Cybersecurity), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCSEIBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.<br>• If ENG 105 is taken, a 3 credit hour elective must also be taken prior to graduation.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions . |
| ASU 101-CAI: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 120: Digital Design Fundamentals | 3 | C | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area. |
| CSE 240: Introduction to Programming Languages | 3 | C | |
| MAT 243: Discrete Mathematical Structures | 3 | C | |

| | | | |
|---|---|---|---|
| | MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science | 3 | C |
| | Natural Science - Quantitative (SQ) | 4 | |
| ! | Complete MAT 266 OR MAT 271 course(s). | | |
| ! | Minimum 2.00 GPA ASU Cumulative. | | |
| | Complete Mathematics (MA) requirement. | | |
| | Term hours subtotal: | 16 | |

- Prep for success using the Sophomore Guide.

| Term 4 47 - 63 Credit Hours Critical course signified by ! | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ! CSE 230: Computer Organization and Assembly Language Programming | 3 | C | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area.<br>• Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| ! CSE 310: Data Structures and Algorithms | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| ! Complete CSE 259 OR MAT 267 OR MAT 272 course(s). | | | |
| ! Minimum 2.00 GPA ASU Cumulative. | | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 79 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CSE 301: Computing Ethics | 1 | C | |
| CSE 355: Introduction to Theoretical Computer Science | 3 | C | |
| CSE 360: Introduction to Software Engineering | 3 | C | |
| CSE 365: Information Assurance | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 79 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 330: Operating Systems | 3 | C | • CSE 434 is a prerequisite for CSE 468 which is an option for the Cybersecurity Focus Courses requirement.<br>• Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| ★ CSE 340: Principles of Programming Languages | 3 | C | |
| CSE 412: Database Management OR CSE 434: Computer Networks OR CSE 445: Distributed Software Development | 3 | C | |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 485: Computer Science Capstone Project I (L) | 3 | C | • Plan for success using the Senior Guide. |
| Upper Division Cybersecurity Elective | 3 | C | |

| | | |
|---|---|---|
| Upper Division Cybersecurity Focus Courses | 3 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Elective | 2 | |
| Term hours subtotal: | 14 | |

- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 486: Computer Science Capstone Project II (L) | 3 | C | • Please see course lists below for Technical Electives. Contact SCAI Advising or visit the Scai website for additional information. |
| Upper Division Cybersecurity Elective | 3 | C | |
| Upper Division Cybersecurity Focus Courses | 3 | C | |
| Upper Division Technical Elective | 3 | C | |
| Term hours subtotal: | 12 | | |

- 
  - Technical Electives may require additional prerequisites.
  - For additional information on major curriculum, please visit theÂComputer Science Degree Requirements websiteÂand theÂConcentration Requirements website.

Hide Course List(s)/Track Group(s)

| Cybersecurity Focus Courses |
|---|
| CSE 466: Computer Systems Security |
| CSE 468: Computer Network Security |
| CSE 469: Computer and Network Forensics |
| CSE 494: Artificial Intelligence for Cyber Security |

| Cybersecurity Electives |
|---|
| CSE 445: Distributed Software Development |
| CSE 460: Software Analysis and Design |
| CSE 463: Introduction to Human Computer Interaction |
| CSE 464: Software Quality Assurance and Testing |
| CSE 466: Computer Systems Security |
| CSE 467: Data and Information Security |
| CSE 468: Computer Network Security |
| CSE 469: Computer and Network Forensics |
| CSE 471: Introduction to Artificial Intelligence |
| CSE 494: Artificial Intelligence for Cyber Security |

| Technical Electives |
|---|
| AEE 415: Vibration Analysis |
| AEE 426: Design of Aerospace Structures |
| AEE 462: Space Vehicle Dynamics and Control |
| AEE 463: Aircraft Propulsion |
| AEE 465: Rocket Propulsion |
| AEE 468: Aircraft Systems Design |
| AEE 471: Computational Fluid Dynamics |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| BCH 361: Advanced Principles of Biochemistry |
| BCH 461: General Biochemistry |
| BCH 462: General Biochemistry |
| BIO 340: General Genetics |
| BIO 343: Genetic Engineering and Society (L) |
| BIO 345: Evolution |
| BME 350: Signals and Systems for Bioengineers |
| BME 413: Biomedical Instrumentation (L) |
| BME 416: Advanced Biomechanics |

BME 494: Applied Computational Behavioral Science

CEE 412: Pavement Analysis and Design

CEE 432: Developing Software for Engineering Applications

CEE 440: Hydrology

CEE 441: Water Resources Engineering

CEE 452: Foundations

CEE 462: Unit Operations in Environmental Engineering

CEE 466: Urban Water System Design

CEE 467: Environmental Microbiology

CEE 474: Transportation Systems Planning

CEE 475: Highway Geometric Design

CEE 481: Civil Engineering Project Management

CEE 483: Highway Materials, Construction, and Quality

CEE 486: Integrated Civil Engineering Design (L)

CHE 342: Introduction to Applied Chemical Thermodynamics

CHE 432: Principles of Chemical Engineering Design

CHE 442: Introduction to Chemical Reactor Design

CHE 461: Process Dynamic Control (CS)

CHE 462: Process Design (L)

CHE 469: Air Quality Engineering

CHE 475: Biochemical Engineering

CIS 415: Big Data Analytics in Business

CPI 311: Game Engine Development

CPI 350: Evaluation of Informatics Systems

CPI 360: Decision Making and Problem Solving

CPI 411: Graphics for Games

CPI 460: Intelligent Interactive Instructional Systems

CPI 462: Design for Learning in Virtual Worlds

CSE 320: Design and Synthesis of Digital Hardware

CSE 325: Embedded Microprocessor Systems

CSE 335: Principles of Mobile Application Development

CSE 4** Elective

CSE 484: Internship

DAT 300: Mathematical Tools for Data Science

DAT 301: Exploring Data in R and Python

DAT 401: Statistical Modeling and Inference for Data Science

DAT 402: Machine Learning for Data Science

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages and Programmable Logic

EEE 335: Analog and Digital Circuits

EEE 350: Random Signal Analysis

Technical Electives continued

EEE 360: Energy Systems and Power Electronics

EEE 404: Real-Time DSP Systems

EEE 407: Digital Signal Processing

EEE 425: Digital Systems and Circuits

EEE 433: Analog Integrated Circuits

EEE 434: Quantum Mechanics for Engineers

EEE 435: Fundamentals of CMOS and MEMS

EEE 436: Fundamentals of Solid-State Devices

EEE 437: Optoelectronics

EEE 439: Semiconductor Facilities and Cleanroom Practices

EEE 443: Antennas for Wireless Communications

EEE 445: Microwaves

EEE 448: Fiber Optics

EEE 455: Communication Systems

EEE 459: Communication Networks

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

EEE 470: Electric Power Devices

EEE 471: Power System Analysis

EEE 473: Electrical Machinery

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering for Humanity

FSE 404: EPICS Gold: EPICS in Action

IEE 376: Operations Research Deterministic Techniques/Applications

IEE 381: Lean Six Sigma Methodology

IEE 385: Engineering Statistics: Probability

IEE 412: Introduction to Financial Engineering

IEE 426: Operations Research in Healthcare

IEE 431: Engineering Administration (L)

IEE 456: Introduction to Systems Engineering

IEE 458: Project Management

IEE 461: Production Control

IEE 470: Stochastic Operations Research

IEE 474: Quality Control

IEE 475: Simulating Stochastic Systems (CS)

MAE 341: Mechanism Analysis and Design

MAE 404: Finite Elements in Engineering

MAE 417: System Dynamics and Control II

MAE 436: Combustion

MAE 455: Polymers and Composites

MAT Upper Division Elective

Except for: MAT 300, MAT 340, MAT 342, MAT 343 and MAT 485

MSE 335: Materials Kinetics

MEE 351: Manufacturing Processes

MEE 434: Internal Combustion Engines

MEE 446: Energy Systems Design II

MSE 415: Mathematical and Computer Methods in Materials (CS)

PHY 302: Mathematical Methods in Physics II

PHY 361: Introductory Modern Physics

PHY 462: Particle and Nuclear Physics

SER 421: Web-Based Applications

SER 422: Web Application Programming

SER 423: Mobile Systems

STP 421: Probability

STP 425: Stochastic Processes

STP 427: Mathematical Statistics

STP 429: Applied Regression (CS)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Computer Science (Software Engineering), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCSESBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.<br>• If ENG 105 is taken, a three (3) credit hour elective must also be taken prior to graduation.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions . |
| ASU 101-CAI: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 120: Digital Design Fundamentals | 3 | C | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area. |
| CSE 240: Introduction to Programming Languages | 3 | C | |
| MAT 243: Discrete Mathematical Structures | 3 | C | |

| | | | |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science | 3 | C | • Prep for success using the Sophomore Guide |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete MAT 266 OR MAT 271 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 230: Computer Organization and Assembly Language Programming | 3 | C | • Three total (SQ) lab science courses are required. Two (SQ) courses must be from the same subject area and one (SQ) course must be from a different subject area.<br>• Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CSE 310: Data Structures and Algorithms | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete CSE 259 OR MAT 267 OR MAT 272 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 355: Introduction to Theoretical Computer Science | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CSE 301: Computing Ethics | 1 | C | |
| CSE 360: Introduction to Software Engineering | 3 | C | |
| CSE 365: Information Assurance | 3 | C | |
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 79 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 330: Operating Systems | 3 | C | • Research and prepare for graduate school.<br>• Apply for an engineering accelerated program.<br>• Develop a professional profile online. |
| CSE 340: Principles of Programming Languages | 3 | C | |
| CSE 445: Distributed Software Development | 3 | C | |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 485: Computer Science Capstone Project I (L) | 3 | C | • Please see course lists below for Technical Electives. Contact SCAI Advising or visit the SCAI website for additional information.<br>• Students should take CSE 434 as the Upper Division Technical Elective in Term 7 if they |
| CSE 460: Software Analysis and Design | 3 | C | |
| CSE 464: Software Quality Assurance and Testing | 3 | C | |
| Upper Division Technical Elective | 3 | C | |

| | | |
|---|---|---|
| Elective | 2 | |
| Term hours subtotal: | 14 | |

plan on taking CSE 468 in Term 8. CSE 434 is a prerequisite for CSE 468.
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 486: Computer Science Capstone Project II (L) | 3 | C | • CSE 468 requires CSE 434 as a prerequisite.<br>• Please see course lists below for Technical Electives. Contact SCAI Advising or visit the SCAI website for additional information. |
| CSE 446: Software Integration and Engineering | 3 | C | |
| CSE 463: Introduction to Human Computer Interaction OR CSE 466: Computer Systems Security OR CSE 467: Data and Information Security OR CSE 468: Computer Network Security | 3 | C | |
| Upper Division Technical Elective | 3 | C | |
| Term hours subtotal: | 12 | | |

- Maximum 3 hours of FSE 301 or FSE 404 can be applied towards major requirements.
- Maximum 6 hours of CSE 484, CSE 492, CSE 493, CSE 499, FSE 301, and FSE 404 can be applied towards major requirements.
- CSE 475 or DAT 402 can be applied towards major requirements but not both.
- Technical Electives may require additional prerequisites.
- For additional information on major curriculum please visit theComputer Science Degree Requirements websiteand the Concentration Requirements Website.

Hide Course List(s)/Track Group(s)

| Technical Electives |
|---|
| AEE 415: Vibration Analysis |
| AEE 426: Design of Aerospace Structures |
| AEE 462: Space Vehicle Dynamics and Control |
| AEE 463: Aircraft Propulsion |
| AEE 465: Rocket Propulsion |
| AEE 468: Aircraft Systems Design |
| AEE 471: Computational Fluid Dynamics |
| AME 430: Mac Development for Media Arts |
| AME 435: Mobile Development |
| BCH 361: Advanced Principles of Biochemistry |
| BCH 461: General Biochemistry |
| BCH 462: General Biochemistry |
| BIO 340: General Genetics |

| Technical Electives continued |
|---|
| EEE 360: Energy Systems and Power Electronics |
| EEE 404: Real-Time DSP Systems |
| EEE 407: Digital Signal Processing |
| EEE 425: Digital Systems and Circuits |
| EEE 433: Analog Integrated Circuits |
| EEE 434: Quantum Mechanics for Engineers |
| EEE 435: Fundamentals of CMOS and MEMS |
| EEE 436: Fundamentals of Solid-State Devices |
| EEE 437: Optoelectronics |
| EEE 439: Semiconductor Facilities and Cleanroom Practices |
| EEE 443: Antennas for Wireless Communications |
| EEE 445: Microwaves |

- BIO 343: Genetic Engineering and Society (L)
- BIO 345: Evolution
- BME 350: Signals and Systems for Bioengineers
- BME 413: Biomedical Instrumentation (L)
- BME 416: Advanced Biomechanics
- BME 494: Applied Computational Behavioral Science
- CEE 412: Pavement Analysis and Design
- CEE 432: Developing Software for Engineering Applications
- CEE 440: Hydrology
- CEE 441: Water Resources Engineering
- CEE 452: Foundations
- CEE 462: Unit Operations in Environmental Engineering
- CEE 466: Urban Water System Design
- CEE 467: Environmental Microbiology
- CEE 474: Transportation Systems Planning
- CEE 475: Highway Geometric Design
- CEE 481: Civil Engineering Project Management
- CEE 483: Highway Materials, Construction, and Quality
- CEE 486: Integrated Civil Engineering Design (L)
- CHE 342: Introduction to Applied Chemical Thermodynamics
- CHE 432: Principles of Chemical Engineering Design
- CHE 442: Introduction to Chemical Reactor Design
- CHE 461: Process Dynamic Control (CS)
- CHE 462: Process Design (L)
- CHE 469: Air Quality Engineering
- CHE 475: Biochemical Engineering
- CIS 415: Big Data Analytics in Business
- CPI 311: Game Engine Development
- CPI 350: Evaluation of Informatics Systems
- EEE 448: Fiber Optics
- EEE 455: Communication Systems
- EEE 459: Communication Networks
- EEE 460: Nuclear Power Engineering
- EEE 463: Electrical Power Plants
- EEE 470: Electric Power Devices
- EEE 471: Power System Analysis
- EEE 473: Electrical Machinery
- EEE 480: Feedback Systems
- EEE 481: Computer-Controlled Systems
- FSE 301: Entrepreneurship and Value Creation
- FSE 394: Engineering for Humanity
- FSE 404: EPICS Gold: EPICS in Action
- IEE 376: Operations Research Deterministic Techniques/Applications
- IEE 381: Lean Six Sigma Methodology
- IEE 385: Engineering Statistics: Probability
- IEE 412: Introduction to Financial Engineering
- IEE 426: Operations Research in Healthcare
- IEE 431: Engineering Administration (L)
- IEE 456: Introduction to Systems Engineering
- IEE 458: Project Management
- IEE 461: Production Control
- IEE 470: Stochastic Operations Research
- IEE 474: Quality Control
- IEE 475: Simulating Stochastic Systems (CS)
- MAE 341: Mechanism Analysis and Design
- MAE 404: Finite Elements in Engineering
- MAE 417: System Dynamics and Control II
- MAE 436: Combustion
- MAE 455: Polymers and Composites
- MAT Upper Division Elective

  Except for: MAT 300, MAT 342, MAT 343, and MAT 485
- MEE 351: Manufacturing Processes

- CPI 360: Decision Making and Problem Solving
- CPI 411: Graphics for Games
- CPI 460: Intelligent Interactive Instructional Systems
- CPI 462: Design for Learning in Virtual Worlds
- CSE 320: Design and Synthesis of Digital Hardware
- CSE 325: Embedded Microprocessor Systems
- CSE 335: Principles of Mobile Application Development
- CSE 4** Elective
- DAT 300: Mathematical Tools for Data Science
- DAT 301: Exploring Data in R and Python
- DAT 401: Statistical Modeling and Inference for Data Science
- DAT 402: Machine Learning for Data Science
- EEE 304: Signals and Systems II
- EEE 333: Hardware Design Languages and Programmable Logic
- EEE 335: Analog and Digital Circuits
- EEE 350: Random Signal Analysis
- MEE 434: Internal Combustion Engines
- MEE 446: Energy Systems Design II
- MSE 335: Materials Kinetics
- MSE 415: Mathematical and Computer Methods in Materials (CS)
- PHY 302: Mathematical Methods in Physics II
- PHY 361: Introductory Modern Physics
- PHY 462: Particle and Nuclear Physics
- SER 421: Web-Based Applications
- SER 422: Web Application Programming
- SER 423: Mobile Systems
- STP 421: Probability
- STP 425: Stochastic Processes
- STP 427: Mathematical Statistics
- STP 429: Applied Regression (CS)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Computer Systems Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCSEBSE

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.<br>• If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions . |
| ASU 101-CAI: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Biology or Chemistry Course | 4 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 120: Digital Design Fundamentals | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 243: Discrete Mathematical Structures | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |

| | | |
|---|---|---|
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | |
| Complete MAT 266 OR MAT 271 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 220: Programming for Computer Engineering | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CSE 230: Computer Organization and Assembly Language Programming | 3 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete MAT 267 OR MAT 272 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 310: Data Structures and Algorithms | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CSE 301: Computing Ethics | 1 | C | |
| CSE 320: Design and Synthesis of Digital Hardware | 3 | C | |
| EEE 202: Circuits I | 4 | C | |
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 6 77 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 325: Embedded Microprocessor Systems | 3 | C | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| CSE 330: Operating Systems | 3 | C | |
| CSE 360: Introduction to Software Engineering | 3 | C | |
| EEE 334: Circuits II | 4 | C | |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 423: Systems Capstone Project I (L) | 3 | C | • Please see course lists below for CSE Technical Electives. Contact SCAI Advising or visit the SCAI website for additional information. Maximum 6 hours at the 300-level.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| CSE 434: Computer Networks | 3 | C | |
| *Complete 2 courses:*<br>Upper Division CSE Technical Elective | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

- Complete an in person or virtual practice interview.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 424: Systems Capstone Project II (L) | 3 | C | • Please see course lists below for CSE Technical Electives. Contact SCAI Advising or visit the SCAI website for additional information. Maximum 6 hours at the 300-level. |
| CSE 420: Computer Architecture I | 3 | C | |
| *Complete 2 courses:*<br>4** Upper Division CSE Technical Elective | 6 | C | |
| Term hours subtotal: | 12 | | |

- Maximum 3 hours of FSE 301 or FSE 404 can be applied towards major requirements.
- Maximum 6 hours of CSE 484, CSE 492, CSE 493, CSE 499, FSE 301, and FSE 404 can be applied towards major requirements.
- CSE 475 or DAT 402 can be applied towards major requirements but not both.
- Technical Electives may require additional prerequisites.
- For additional information on major curriculum please visit theComputer Systems Engineering Degree Requirements website.

Hide Course List(s)/Track Group(s)

| Biology or Chemistry Courses |
|---|
| BIO 181: General Biology I (SQ) |
| BIO 182: General Biology II (SG) |
| CHM 113: General Chemistry I (SQ) |
| CHM 114: General Chemistry for Engineers (SQ) |
| CHM 116: General Chemistry II (SQ) |

| Upper Division CSE Technical Electives |
|---|
| BME 494: Applied Computational Behavioral Science |
| CPI 350: Evaluation of Informatics Systems |
| CPI 411: Graphics for Games |
| CSE 335: Principles of Mobile Application Development |
| CSE 340: Principles of Programming Languages |
| CSE 355: Introduction to Theoretical Computer Science |
| CSE 365: Information Assurance |
| CSE 4** Elective |
| DAT 300: Mathematical Tools for Data Science |
| DAT 301: Exploring Data in R and Python |
| DAT 401: Statistical Modeling and Inference for Data Science |
| DAT 402: Machine Learning for Data Science |
| EEE 304: Signals and Systems II |
| EEE 335: Analog and Digital Circuits |
| EEE 350: Random Signal Analysis |

EEE 404: Real-Time DSP Systems

EEE 407: Digital Signal Processing

EEE 425: Digital Systems and Circuits

EEE 455: Communication Systems

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering for Humanity

FSE 404: EPICS Gold: EPICS in Action

IEE 385: Engineering Statistics: Probability

MAT 416: Graph Theory

MAT 421: Applied Computational Methods (CS)

MAT 447: Cryptography I

MAT 448: Cryptography II

PHY 302: Mathematical Methods in Physics II

PHY 333: Electronic Circuits and Measurements

PHY 441: Statistical and Thermal Physics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Computer Systems Engineering (Cybersecurity), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCSEIBSE

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.<br>• If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions . |
| ASU 101-CAI: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Biology or Chemistry Course | 4 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 120: Digital Design Fundamentals | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 243: Discrete Mathematical Structures | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |

| | | |
|---|---|---|
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | |
| Complete MAT 266 OR MAT 271 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 220: Programming for Computer Engineering | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CSE 230: Computer Organization and Assembly Language Programming | 3 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete MAT 267 OR MAT 272 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 310: Data Structures and Algorithms | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CSE 301: Computing Ethics | 1 | C | |
| CSE 320: Design and Synthesis of Digital Hardware | 3 | C | |
| EEE 202: Circuits I | 4 | C | |
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 6 77 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 325: Embedded Microprocessor Systems | 3 | C | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| CSE 330: Operating Systems | 3 | C | |
| CSE 360: Introduction to Software Engineering | 3 | C | |
| CSE 365: Information Assurance | 3 | C | |
| EEE 334: Circuits II | 4 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 423: Systems Capstone Project I (L) | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| CSE 434: Computer Networks | 3 | C | |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Upper Division CSE Technical Elective | 3 | C | |
| Upper Division Cybersecurity Focus Courses | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CSE 424: Systems Capstone Project II (L) | 3 | C | |
| CSE 420: Computer Architecture I | 3 | C | |
| Upper Division Cybersecurity Focus Courses | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12 | | |

- Technical Electives may require additional prerequisites.
- For additional information on major curriculum please visit theComputer Systems Engineering (Cybersecurity) Degree Requirements website.

Hide Course List(s)/Track Group(s)

| Biology or Chemistry Course |
|---|
| BIO 181: General Biology I (SQ) |
| BIO 182: General Biology II (SG) |
| CHM 113: General Chemistry I (SQ) |
| CHM 114: General Chemistry for Engineers (SQ) |
| CHM 116: General Chemistry II (SQ) |

| Cybersecurity Focus Courses |
|---|
| CSE 466: Computer Systems Security |
| CSE 467: Data and Information Security |
| CSE 468: Computer Network Security |
| CSE 469: Computer and Network Forensics |
| CSE 494: Artificial Intelligence for Cyber Security |

| CSE Technical Elective |
|---|
| BME 494: Applied Computational Behavioral Science |
| CPI 350: Evaluation of Informatics Systems |
| CPI 411: Graphics for Games |
| CSE 335: Principles of Mobile Application Development |
| CSE 340: Principles of Programming Languages |
| CSE 355: Introduction to Theoretical Computer Science |
| CSE 4** Elective |
| DAT 300: Mathematical Tools for Data Science |
| DAT 301: Exploring Data in R and Python |
| DAT 401: Statistical Modeling and Inference for Data Science |
| DAT 402: Machine Learning for Data Science |
| EEE 304: Signals and Systems II |
| EEE 335: Analog and Digital Circuits |
| EEE 350: Random Signal Analysis |
| EEE 404: Real-Time DSP Systems |
| EEE 407: Digital Signal Processing |
| EEE 425: Digital Systems and Circuits |
| EEE 455: Communication Systems |
| EEE 480: Feedback Systems |

EEE 481: Computer-Controlled Systems

FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering for Humanity

FSE 404: EPICS Gold: EPICS in Action

IEE 385: Engineering Statistics: Probability

MAT 416: Graph Theory

MAT 421: Applied Computational Methods (CS)

MAT 447: Cryptography I

MAT 448: Cryptography II

PHY 302: Mathematical Methods in Physics II

PHY 333: Electronic Circuits and Measurements

PHY 441: Statistical and Thermal Physics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Construction Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCONBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• If ENG 105 is taken, a 3 credit hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| FSE 100: Introduction to Engineering | 2 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ASU 101-CON: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| CON 101: Construction and Culture: a Built Environment (HU & H) | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CNE 210: Engineering Mechanics I: Statics | 3 | C | • Prep for success using the Sophomore Guide. |
| CNE 243: Heavy Construction Equipment, Methods and Materials | 3 | | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |

| | | |
|---|---|---|
| MAT 275: Modern Differential Equations (MA) | 3 | C |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CNE 212: Engineering Mechanics II: Dynamics | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CNE 213: Introduction to Deformable Solids | 3 | C | |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BME 111: Engineering Perspectives on Biological Systems OR GLG 101: Introduction to Geology I (Physical) (SQ) | 3-4 | | |
| CNE 271: Construction Safety | 3 | C | |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | | |
| Term hours subtotal: | 15-16 | | |

| Summer 4 62 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CNE 296: Summer Field Internship | 1 | C | |
| Term hours subtotal: | 1 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CNE 321: Structural Analysis and Design | 4 | | • If students take MAE 241 they will need to make up 1 credit hour in a Civil, Construction, math or science course.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CNE 353: Civil Engineering Materials | 4 | | |
| EEE 202: Circuits I OR MAE 241: Introduction to Thermodynamics | 4-3 | | |
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | | |
| Term hours subtotal: | 15-14 | | |

| Term 6 78 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CNE 383: Construction Estimating OR CON 486: Heavy Construction Estimating | 3 | | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| CNE 241: Surveying | 3 | | |
| CNE 351: Geotechnical Engineering | 4 | | |
| CNE 400: Earth Systems Engineering and Management ((L or HU) & H) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 13 | | |

| Summer 6 91 - 92 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CNE 484: Internship | 1 | | |
| Term hours subtotal: | 1 | | |

| | | Minimum | |
|---|---|---|---|

| Term 7 92 - 107 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ CNE 453: Construction Technology | 3 | | • Design Elective requirements: complete a total of 2 design electives.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| CNE 495: Construction Planning and Scheduling (CS) | 3 | | |
| Upper Division Design Elective | 3 | | |
| Upper Division Technical Elective | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CNE 486: Integrated Civil Engineering Design (L) | 4 | | • Design Elective requirements: complete a total of 2 design electives. |
| CNE 455: Construction Project Management | 3 | | |
| CNE 496: Construction Contract Administration (L) | 3 | | |
| Upper Division Design Elective | 3 | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

| Design Elective |
|---|
| CEE 420: Steel Structures |
| CEE 421: Concrete Structures |
| CEE 452: Foundations |

| Technical Elective |
|---|
| CEE 372: Transportation Engineering |
| CEE 412: Pavement Analysis and Design |
| CEE 420: Steel Structures |
| CEE 421: Concrete Structures |
| CEE 432: Developing Software for Engineering Applications |
| CEE 440: Hydrology |
| CEE 441: Water Resources Engineering |
| CEE 452: Foundations |
| CEE 462: Unit Operations in Environmental Engineering |
| CEE 466: Urban Water System Design |
| CEE 467: Environmental Microbiology |
| CEE 474: Transportation Systems Planning |
| CEE 475: Highway Geometric Design |
| CEE 481: Civil Engineering Project Management |
| CEE 483: Highway Materials, Construction, and Quality |
| CEE 493: Honors Thesis (L) |
| CEE 494: Concrete Canoe Design |
| CEE 494: Steel Bridge Design |

| |
|---|
| CON 296: Summer Field Internship |
| CON 310: Testing of Materials for Construction |
| CON 345: Mechanical Systems |
| CON 448: Sustainable Construction |
| CON 454: Trenchless Construction Methods |
| CON 493: Honors Thesis (L) |
| FSE 301: Entrepreneurship and Value Creation |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Construction Management and Technology, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCONMGTBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CON 100: Introduction to Construction | 2 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken the first semester.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| CON 101: Construction and Culture: a Built Environment (HU & H) | 3 | C | |
| CON 252: Building Construction Methods, Materials, and Equipment | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| ASU 101-CON: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CON 244: Working Drawing Analysis | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| COM 225: Public Speaking (L) | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PHY 111: General Physics (SQ) | 3 | C | |
| PHY 113: General Physics Laboratory (SQ) | 1 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CON 221: Applied Statics | 3 | C | • Prep for success using the Sophomore Guide. |
| CON 251: Microcomputer Applications for Construction | 3 | C | |
| CON 243: Heavy Construction Equipment, Methods and Materials | 3 | C | |

| | | |
|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | |
| STP 226: Elements of Statistics (CS) | 3 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| **Term 4 46 - 61 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CON 223: Strength of Materials | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CON 271: Construction Safety | 3 | C | |
| CON 241: Surveying | 3 | C | |
| CON 345: Mechanical Systems | 3 | | |
| ECN 212: Microeconomic Principles (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| **Summer 4 61 - 62 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CON 296: Summer Field Internship | 1 | C | |
| Term hours subtotal: | 1 | | |

| **Term 5 62 - 77 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CON 310: Testing of Materials for Construction | 2 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CON 273: Electrical Construction Fundamentals and Project Management | 3 | C | |
| CON 383: Construction Estimating OR CON 486: Heavy Construction Estimating | 3 | | |
| CON 453: Construction Technology | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 77 - 92 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CON 495: Construction Planning and Scheduling (CS) | 3 | | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| CON 424: Structural Design | 3 | | |
| CON 448: Sustainable Construction | 3 | | |
| MGT 380: Management and Strategy for Nonmajors | 3 | | |
| Upper Division Construction Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Summer 6 92 - 93 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CON 484: Internship | 1 | | |
| Term hours subtotal: | 1 | | |

| **Term 7 93 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CON 455: Construction Project Management | 3 | | |

| | | | |
|---|---|---|---|
| ACC 382: Accounting and Financial Analysis | 3 | | |
| CON 487: Project Controls | 3 | | |
| Upper Division Construction Elective | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 15 | | |

- Students must have a minimum 2.50 GPA in order to take LES 305.
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| **Term 8 108 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ CON 491: Construction Project Capstone | 3 | | |
| CON 496: Construction Contract Administration (L) | 3 | | |
| LES 305: Business Law and Ethics for Managers | 3 | | |
| Upper Division Construction Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

Construction Elective

- CON 343: Advanced Heavy Equipment Operations
- CON 384: Environmental Aspects of Heavy Construction
- CON 394: Special Topics
- CON 446: Marketing for Construction
- CON 450: Geotechnical Applications for Construction
- CON 454: Trenchless Construction Methods
- CON 457: Principles of Leadership for Project Managers
- CON 483: Advanced Building Estimating
- CON 486: Heavy Construction Estimating
- CON 488: Heavy Construction Earthworks
- CON 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Electrical Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESEEEBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken the first semester.<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.<br>• Students who have credit for CHM 113 should take CHM 116.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-EEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | |
| CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| EEE 120: Digital Design Fundamentals | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 202: Circuits I | 4 | | • Prep for success using the Sophomore Guide. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |

| | | |
|---|---|---|
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Complete First-Year Composition requirement. | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 203: Signals and Systems I | 3 | | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| EEE 241: Fundamentals of Electromagnetics | 3 | | |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | |
| PHY 241: University Physics III | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 334: Circuits II | 4 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| EEE 230: Computer Organization and Assembly Language Programming | 3 | | |
| EEE 350: Random Signal Analysis | 3 | | |
| Upper Division Area Pathway Course | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:*<br>Upper Division Area Pathway Course | 12 | | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 488: Senior Design Laboratory I (L) | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| Upper Division Math or Science or Engineering Elective | 3 | | |
| *Complete 2 courses:*<br>Upper Division Technical Elective | 6 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 489: Senior Design Laboratory II (L) | 3 | | |
| *Complete 3 courses:*<br>Upper Division Technical Elective | 9 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

| Technical Electives |
| --- |
| EEE 404: Real-Time DSP Systems |
| EEE 405: Machine Learning Basics with Deployment to FPGAs |
| EEE 407: Digital Signal Processing |
| EEE 419: Python for Rapid Engineering Solutions |
| EEE 425: Digital Systems and Circuits |
| EEE 433: Analog Integrated Circuits |
| EEE 434: Quantum Mechanics for Engineers |
| EEE 435: Fundamentals of CMOS and MEMS |
| EEE 436: Fundamentals of Solid-State Devices |
| EEE 437: Optoelectronics |
| EEE 439: Semiconductor Facilities and Cleanroom Practices |
| EEE 443: Antennas for Wireless Communications |
| EEE 445: Microwaves |
| EEE 448: Fiber Optics |
| EEE 455: Communication Systems |
| EEE 459: Communication Networks |
| EEE 460: Nuclear Power Engineering |
| EEE 463: Electrical Power Plants |
| EEE 465: Photovoltaic Energy Conversion |
| EEE 470: Electric Power Devices |
| EEE 471: Power System Analysis |
| EEE 472: Power Electronics and Power Management |
| EEE 473: Electrical Machinery |
| EEE 480: Feedback Systems |
| EEE 481: Computer-Controlled Systems |
| EEE 492: Honors Directed Study |
| EEE 493: Honors Thesis (L) |

| Math or Science or Engineering Elective |
| --- |
| AEE Upper Division Elective |
| BIO Upper Division Elective |
| BME Upper Division Elective |
| CEE Upper Division Elective |
| CHE Upper Division Elective |
| CHM Upper Division Elective |
| CPI Upper Division Elective |
| CSE Upper Division Elective |
| FSE 301: Entrepreneurship and Value Creation |
| IEE Upper Division Elective |
| MAE Upper Division Elective |
| MAT Upper Division Elective |
| MSE Upper Division Elective |
| PHY Upper Division Elective |
| STP 420: Introductory Applied Statistics (CS) |
| STP 421: Probability |
| Upper Division Technical Elective |

| Area Pathway Course |
| --- |
| EEE 304: Signals and Systems II |
| EEE 333: Hardware Design Languages and Programmable Logic |
| EEE 335: Analog and Digital Circuits |
| EEE 341: Engineering Electromagnetics |
| EEE 352: Properties of Electronic Materials |
| EEE 360: Energy Systems and Power Electronics |

EEE 498: Emerging Technology in Automotive & Transportation

EEE 498: Lithium-Ion Battery Technlgy Automtve Electrifictn

EEE 498: Manufacturing Science of Solar Cells

EEE 498: Nuclear Prolif Secur & Safegrd

EEE 498: Quantum Optics and Quantum Information

EEE 498: Renewable Energy Technology and Systems

EEE 498: Science and Technology of Solar Cell Fabrication

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Electrical Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
ESEEEBSE

| Term 1 - A 0 - 6 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor. |
| ASU 101-ONL: The ASU Experience | 1 | | |
| FSE 100: Introduction to Engineering | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 1 - B 6 - 12 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 12 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | Students who have credit for CHM 113 should take CHM 116. |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | |
| Term hours subtotal: | 8 | | |

| Term 2 - B 20 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 26 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C | |
| EEE 120: Digital Design Fundamentals | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 275: Modern Differential Equations (MA) | 3 | C | • Prep for success using the Sophomore Guide. |
| CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) | 3 | C | |
| Complete First-Year Composition requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 202: Circuits I | 4 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 46 - 52 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 241: Fundamentals of Electromagnetics | 3 | | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 52 - 58 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 241: University Physics III | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 58 - 65 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 334: Circuits II | 4 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| EEE 203: Signals and Systems I | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 65 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 350: Random Signal Analysis | 3 | | |
| Upper Division Area Pathway Course | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| EEE 230: Computer Organization and Assembly Language Programming | 3 | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

- Research and prepare for graduate school.
- Apply for an engineering 4+1 program.
- Develop a professional profile online.

| Term 7 - A 78 - 85 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Area Pathway Course | 4 | | |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 7 - B 85 - 92 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Area Pathway Course | 4 | | |
| Upper Division Technical Elective | 3 | | |
| Term hours subtotal: | 7 | | |

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.

| Term 8 - A 92 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EEE 488: Senior Design Laboratory I (L) | 3 | | |
| Upper Division Area Pathway Course | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 8 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Math or Science or Engineering Elective | 3 | | |
| Upper Division Technical Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EEE 489: Senior Design Laboratory II (L) | 3 | | |
| Upper Division Technical Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 111 - 117 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Technical Elective | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Technical Elective | 3 | | |
| Term hours subtotal: | 3 | | |

- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.

Hide Course List(s)/Track Group(s)

| Technical Electives | Area Pathway Course | Math or Science or Engineering Elective |
|---|---|---|
| EEE 404: Real-Time DSP Systems | EEE 304: Signals and Systems II | AEE Upper Division Elective |
| EEE 405: Machine Learning Basics with Deployment to FPGAs | EEE 333: Hardware Design Languages and Programmable Logic | BIO Upper Division Elective |
| EEE 407: Digital Signal Processing | EEE 335: Analog and Digital Circuits | BME Upper Division Elective |
| EEE 419: Python for Rapid Engineering Solutions | EEE 341: Engineering Electromagnetics | CEE Upper Division Elective |
| EEE 425: Digital Systems and Circuits | EEE 352: Properties of Electronic Materials | CHE Upper Division Elective |
| EEE 433: Analog Integrated Circuits | EEE 360: Energy Systems and Power Electronics | CHM Upper Division Elective |
| EEE 434: Quantum Mechanics for Engineers | | CPI Upper Division Elective |
| EEE 435: Fundamentals of CMOS and MEMS | | CSE Upper Division Elective |
| EEE 436: Fundamentals of Solid-State Devices | | FSE 301: Entrepreneurship and Value Creation |
| EEE 439: Semiconductor Facilities and Cleanroom Practices | | IEE Upper Division Elective |
| EEE 443: Antennas for Wireless Communications | | MAE Upper Division Elective |
| EEE 445: Microwaves | | MAT Upper Division Elective |
| EEE 448: Fiber Optics | | MSE Upper Division Elective |
| EEE 459: Communication Networks | | PHY Upper Division Elective |
| EEE 460: Nuclear Power Engineering | | Upper Division Technical Elective |
| EEE 463: Electrical Power Plants | | |
| EEE 465: Photovoltaic Energy Conversion | | |
| EEE 470: Electric Power Devices | | |
| EEE 471: Power System Analysis | | |
| EEE 472: Power Electronics and Power Management | | |
| EEE 473: Electrical Machinery | | |
| EEE 480: Feedback Systems | | |
| EEE 481: Computer-Controlled Systems | | |
| EEE 492: Honors Directed Study | | |
| EEE 493: Honors Thesis (L) | | |
| EEE 498: Emerging Technology in Automotive & Transportation | | |
| EEE 498: Lithium-Ion Battery Technlgy Automtve Electrifictn | | |

EEE 498: Manufacturing Science of Solar Cells

EEE 498: Nuclear Prolif Secur & Safegrd

EEE 498: Quantum Optics and Quantum Information

EEE 498: Renewable Energy Technology and Systems

EEE 498: Science and Technology of Solar Cell Fabrication

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Electrical Engineering (Electric Power and Energy Systems), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESEEEPBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken the first semester.<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.<br>• Students who have credit for CHM 113 should take CHM 116.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-EEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | |
| CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| EEE 120: Digital Design Fundamentals | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 202: Circuits I | 4 | | • Prep for success using the Sophomore Guide. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |

| | | |
|---|---|---|
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 203: Signals and Systems I | 3 | | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| EEE 241: Fundamentals of Electromagnetics | 3 | | |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | |
| PHY 241: University Physics III | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 334: Circuits II | 4 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| EEE 230: Computer Organization and Assembly Language Programming | 3 | | |
| EEE 350: Random Signal Analysis | 3 | | |
| EEE 360: Energy Systems and Power Electronics | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:*<br>Upper Division Area Pathway Course | 12 | | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 488: Senior Design Laboratory I (L) | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| Upper Division Math or Science or Engineering Elective | 3 | | |
| *Complete 2 courses:*<br>Upper Division Power Technical Elective | 6 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 489: Senior Design Laboratory II (L) | 3 | | |
| Upper Division Power Technical Elective | 3 | | |
| *Complete 2 courses:*<br>Upper Division Technical Elective | 6 | | |

| | |
|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 |
| Term hours subtotal: | 15 |

Hide Course List(s)/Track Group(s)

| Technical Electives |
|---|
| EEE 404: Real-Time DSP Systems |
| EEE 405: Machine Learning Basics with Deployment to FPGAs |
| EEE 407: Digital Signal Processing |
| EEE 419: Python for Rapid Engineering Solutions |
| EEE 425: Digital Systems and Circuits |
| EEE 433: Analog Integrated Circuits |
| EEE 434: Quantum Mechanics for Engineers |
| EEE 435: Fundamentals of CMOS and MEMS |
| EEE 436: Fundamentals of Solid-State Devices |
| EEE 437: Optoelectronics |
| EEE 439: Semiconductor Facilities and Cleanroom Practices |
| EEE 443: Antennas for Wireless Communications |
| EEE 445: Microwaves |
| EEE 448: Fiber Optics |
| EEE 455: Communication Systems |
| EEE 459: Communication Networks |
| EEE 460: Nuclear Power Engineering |
| EEE 463: Electrical Power Plants |
| EEE 465: Photovoltaic Energy Conversion |
| EEE 470: Electric Power Devices |
| EEE 471: Power System Analysis |
| EEE 472: Power Electronics and Power Management |
| EEE 473: Electrical Machinery |
| EEE 480: Feedback Systems |
| EEE 481: Computer-Controlled Systems |
| EEE 492: Honors Directed Study |

| Math or Science or Engineering Elective |
|---|
| AEE Upper Division Elective |
| BIO Upper Division Elective |
| BME Upper Division Elective |
| CEE Upper Division Elective |
| CHE Upper Division Elective |
| CHM Upper Division Elective |
| CPI Upper Division Elective |
| CSE Upper Division Elective |
| FSE 301: Entrepreneurship and Value Creation |
| IEE Upper Division Elective |
| MAE Upper Division Elective |
| MAT Upper Division Elective |
| MSE Upper Division Elective |
| PHY Upper Division Elective |
| STP 420: Introductory Applied Statistics (CS) |
| STP 421: Probability |
| Upper Division Technical Elective |

| Power Technical Electives |
|---|
| EEE 460: Nuclear Power Engineering |
| EEE 463: Electrical Power Plants |
| EEE 465: Photovoltaic Energy Conversion |
| EEE 470: Electric Power Devices |
| EEE 471: Power System Analysis |
| EEE 472: Power Electronics and Power Management |
| EEE 473: Electrical Machinery |
| EEE 498: Manufacturing Science of Solar Cells |
| EEE 498: Science and Technology of Solar Cell Fabrication |

| |
|---|
| EEE 493: Honors Thesis (L) |
| EEE 498: Emerging Technology in Automotive & Transportation |
| EEE 498: Lithium-Ion Battery Technlgy Automtve Electrifictn |
| EEE 498: Manufacturing Science of Solar Cells |
| EEE 498: Nuclear Prolif Secur & Safegrd |
| EEE 498: Quantum Optics and Quantum Information |
| EEE 498: Renewable Energy Technology and Systems |
| EEE 498: Science and Technology of Solar Cell Fabrication |
| Area Pathway Course |
| EEE 304: Signals and Systems II |
| EEE 333: Hardware Design Languages and Programmable Logic |
| EEE 335: Analog and Digital Circuits |
| EEE 341: Engineering Electromagnetics |
| EEE 352: Properties of Electronic Materials |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Electrical Engineering (Electric Power and Energy Systems), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
ESEEEPBSE

| Term 1 - A 0 - 6 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor. |
| ASU 101-EEE: The ASU Experience | 1 | | |
| FSE 100: Introduction to Engineering | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 1 - B 6 - 12 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 12 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | Students who have credit for CHM 113 should take CHM 116. |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | |
| Term hours subtotal: | 8 | | |

| Term 2 - B 20 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 26 - 33 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 120: Digital Design Fundamentals | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Complete First-Year Composition requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 202: Circuits I | 4 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 46 - 52 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 241: Fundamentals of Electromagnetics | 3 | | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 52 - 58 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 241: University Physics III | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 58 - 65 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 203: Signals and Systems I | 3 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| EEE 334: Circuits II | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 65 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 350: Random Signal Analysis | 3 | | |
| EEE 360: Energy Systems and Power Electronics | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| EEE 230: Computer Organization and Assembly Language Programming | 3 | | • Research and prepare for graduate school.<br>• Develop a professional profile online. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| **Term 7 - A 78 - 85 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Area Pathway Course | 4 | | |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| **Term 7 - B 85 - 92 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Area Pathway Course | 4 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| Upper Division Power Technical Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| **Term 8 - A 92 - 99 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ EEE 488: Senior Design Laboratory I (L) | 3 | | |
| ★ Upper Division Area Pathway Course | 4 | | |
| Term hours subtotal: | 7 | | |

| **Term 8 - B 99 - 105 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Math or Science or Engineering Elective | 3 | | |
| Upper Division Power Technical Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 9 - A 105 - 111 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ EEE 489: Senior Design Laboratory II (L) | 3 | | |
| Upper Division Power Technical Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 9 - B 111 - 117 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Technical Elective | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 10 - A 117 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Technical Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Technical Electives |
| --- |
| EEE 404: Real-Time DSP Systems |
| EEE 405: Machine Learning Basics with Deployment to FPGAs |
| EEE 407: Digital Signal Processing |
| EEE 419: Python for Rapid Engineering Solutions |
| EEE 425: Digital Systems and Circuits |
| EEE 433: Analog Integrated Circuits |
| EEE 434: Quantum Mechanics for Engineers |
| EEE 435: Fundamentals of CMOS and MEMS |
| EEE 436: Fundamentals of Solid-State Devices |
| EEE 439: Semiconductor Facilities and Cleanroom Practices |
| EEE 443: Antennas for Wireless Communications |
| EEE 445: Microwaves |
| EEE 448: Fiber Optics |
| EEE 455: Communication Systems |
| EEE 459: Communication Networks |
| EEE 460: Nuclear Power Engineering |
| EEE 463: Electrical Power Plants |
| EEE 465: Photovoltaic Energy Conversion |
| EEE 470: Electric Power Devices |
| EEE 471: Power System Analysis |
| EEE 472: Power Electronics and Power Management |
| EEE 473: Electrical Machinery |
| EEE 480: Feedback Systems |
| EEE 481: Computer-Controlled Systems |
| EEE 492: Honors Directed Study |
| EEE 493: Honors Thesis (L) |
| EEE 498: Emerging Technology in Automotive & Transportation |
| EEE 498: Lithium-Ion Battery Technlgy Automtve Electrifictn |

| Math or Science or Engineering Elective |
| --- |
| AEE Upper Division Elective |
| BIO Upper Division Elective |
| BME Upper Division Elective |
| CEE Upper Division Elective |
| CHE Upper Division Elective |
| CHM Upper Division Elective |
| CPI Upper Division Elective |
| CSE Upper Division Elective |
| FSE 301: Entrepreneurship and Value Creation |
| IEE Upper Division Elective |
| MAE Upper Division Elective |
| MAT Upper Division Elective |
| MSE Upper Division Elective |
| PHY Upper Division Elective |
| Upper Division Technical Elective |

| Power Technical Electives |
| --- |
| EEE 460: Nuclear Power Engineering |
| EEE 463: Electrical Power Plants |
| EEE 465: Photovoltaic Energy Conversion |
| EEE 470: Electric Power Devices |
| EEE 471: Power System Analysis |
| EEE 472: Power Electronics and Power Management |
| EEE 473: Electrical Machinery |
| EEE 498: Manufacturing Science of Solar Cells |
| EEE 498: Science and Technology of Solar Cell Fabrication |

| |
|---|
| EEE 498: Manufacturing Science of Solar Cells |
| EEE 498: Nuclear Prolif Secur & Safegrd |
| EEE 498: Quantum Optics and Quantum Information |
| EEE 498: Renewable Energy Technology and Systems |
| EEE 498: Science and Technology of Solar Cell Fabrication |
| Area Pathway Course |
| EEE 304: Signals and Systems II |
| EEE 333: Hardware Design Languages and Programmable Logic |
| EEE 335: Analog and Digital Circuits |
| EEE 341: Engineering Electromagnetics |
| EEE 352: Properties of Electronic Materials |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSEGRBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| EGR 101: Foundations of Engineering Design Project I | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 102: Foundations of Engineering Design Project II | 3 | | • Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 265 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 201: Use-Inspired Design Project I | 3 | C | • Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.<br>• Prep for success using the Sophomore Guide. |
| EGR 216: Engineering Electrical Fundamentals | 3 | C | |
| EGR 218: Materials and Manufacturing Processes | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |

| | | |
|---|---|---|
| Complete MAT 266 course(s). | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

| **Term 4 48 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| EGR 202: Use-Inspired Design Project II | 3 | C |
| EGR 217: Engineering Mechanics Fundamentals | 3 | C |
| EGR 219: Computational Modeling of Engineering Systems | 3 | C |
| EGR 280: Engineering Statistics (CS) | 3 | |
| MAT 275: Modern Differential Equations (MA) | 3 | C |
| Complete EGR 216 AND EGR 218 course(s). | | |
| Milestone: Selection of Engineering concentration | | |
| Term hours subtotal: | 15 | |

- Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering Systems, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 63
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Engineering (Automotive Systems), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSEGRASBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience OR FSE 310: Transfer Success in Engineering | 1 | | • ASU 101 is required of all first-year students; FSE 310 is required for all new transfer students; LIA 294 is highly recommended for all new veteran students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| EGR 101: Foundations of Engineering Design Project I | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 102: Foundations of Engineering Design Project II | 3 | | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 265 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 201: Use-Inspired Design Project I | 3 | C | • Prep for success using the Sophomore Guide. |
| EGR 216: Engineering Electrical Fundamentals | 3 | C | |
| EGR 218: Materials and Manufacturing Processes | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |

| | | | |
|---|---|---|---|
| Complete MAT 266 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 202: Use-Inspired Design Project II | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| EGR 217: Engineering Mechanics Fundamentals | 3 | C | |
| EGR 219: Computational Modeling of Engineering Systems | 3 | C | |
| EGR 280: Engineering Statistics (CS) | 3 | | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Complete EGR 216 AND EGR 218 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 306: Automotive Systems Project I | 3 | C | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject code. Students work with an academic advisor to identify their secondary focus area.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| EGR 340: Engineering Thermo-Fluids I | 3 | C | |
| PHY 321: Vector Mechanics and Vibration | 3 | | |
| Upper Division Secondary Focus Area (EGR 360 Recommended) | 3 | | |
| Term hours subtotal: | 12 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 316: Automotive Systems Project II | 3 | C | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject code. Students work with an academic advisor to identify their secondary focus area.<br>• Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| EGR 363: Automotive Powertrains and Thermal Systems | 3 | C | |
| HST 318: History of Engineering ((L or SB) & G) | 3 | | |
| MAT 343: Applied Linear Algebra | 3 | | |
| Secondary Focus Area | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 401: Professional Design Project I (L) | 3 | C | • If in the Electrical specialization, students must take EGR 330.<br>• If in the Mechanical specialization, students must take EGR 432.<br>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject code. Students work with an academic advisor to identify their secondary focus area. |
| EGR 330: Design of Electrical Systems OR EGR 432: Engineering Thermo-Fluids II | 3 | | |
| Upper Division Secondary Focus Area | 3 | | |
| Science Elective | 3 | | |
| Secondary Focus Area | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 18 | | |

- Students must select a Science Elective from the listed courses below.
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EGR 402: Professional Design Project II | 3 | | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject code. Students work with an academic advisorto identify their secondary focus area. |
| EGR 463: Vehicle Electrical Systems and Hybrid Systems | 3 | | |
| EGR 465: Ground Vehicle Dynamics | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Science Elective |
|---|
| ABS 130: Introduction to Environmental Science (SQ) |
| ABS 225: Soils (SQ) |
| AST 111: Introduction to Solar Systems Astronomy (SQ) |
| BIO 181: General Biology I (SQ) |
| CHM 116: General Chemistry II (SQ) |
| CHM 231: Elementary Organic Chemistry (SQ) |
| ENV 130: Introduction to Environmental Science (SQ) |
| GLG 101: Introduction to Geology I (Physical) (SQ) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120 **General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Engineering (Electrical Systems), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSEGRESBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| EGR 101: Foundations of Engineering Design Project I | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 102: Foundations of Engineering Design Project II | 3 | | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 265 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 201: Use-Inspired Design Project I | 3 | C | • Prep for success using the Sophomore Guide. |
| EGR 216: Engineering Electrical Fundamentals | 3 | C | |
| EGR 218: Materials and Manufacturing Processes | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |

| | | | |
|---|---|---|---|
| Complete MAT 266 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 202: Use-Inspired Design Project II | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| EGR 217: Engineering Mechanics Fundamentals | 3 | C | |
| EGR 219: Computational Modeling of Engineering Systems | 3 | C | |
| EGR 280: Engineering Statistics (CS) | 3 | | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Complete EGR 216 AND EGR 218 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 304: Embedded Systems Design Project I | 3 | C | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| EGR 330: Design of Electrical Systems | 3 | C | |
| HST 318: History of Engineering ((L or SB) & G) | 3 | | |
| Secondary Focus Area | 3 | | |
| Science Elective (PHY 131 recommended) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 314: Embedded Systems Design Project II | 3 | C | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.<br>• Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| EGR 334: Analog-Digital Interface | 3 | C | |
| EGR 338: Microcontrollers in Smart Systems | 3 | | |
| MAT 343: Applied Linear Algebra | 3 | | |
| Secondary Focus Area | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 401: Professional Design Project I (L) | 3 | C | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| EGR 430: Design, Fabrication, and Architecture of Electronic Devices | 3 | | |
| PHY 331: Principles of Modern Electromagnetism | 3 | | |
| Upper Division Secondary Focus Area | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EGR 402: Professional Design Project II | 3 | | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area. |
| EGR 431: Power Management OR EGR 476: Microgrid Design and Operation | 3 | | |
| Upper Division Secondary Focus Area | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Science Elective |
|---|
| ABS 130: Introduction to Environmental Science (SQ) |
| ABS 225: Soils (SQ) |
| AST 111: Introduction to Solar Systems Astronomy (SQ) |
| BIO 181: General Biology I (SQ) |
| CHM 116: General Chemistry II (SQ) |
| CHM 231: Elementary Organic Chemistry (SQ) |
| ENV 130: Introduction to Environmental Science (SQ) |
| GLG 101: Introduction to Geology I (Physical) (SQ) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Engineering (Mechanical Engineering Systems), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSEGRMEBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| EGR 101: Foundations of Engineering Design Project I | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 102: Foundations of Engineering Design Project II | 3 | | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 265 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 201: Use-Inspired Design Project I | 3 | C | • Prep for success using the Sophomore Guide. |
| EGR 216: Engineering Electrical Fundamentals | 3 | C | |
| EGR 218: Materials and Manufacturing Processes | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |

| | | |
|---|---|---|
| Complete MAT 266 course(s). | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 202: Use-Inspired Design Project II | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| EGR 217: Engineering Mechanics Fundamentals | 3 | C | |
| EGR 219: Computational Modeling of Engineering Systems | 3 | C | |
| EGR 280: Engineering Statistics (CS) | 3 | | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Complete EGR 216 AND EGR 218 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 303: Mechanical Systems Project I | 3 | C | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| EGR 340: Engineering Thermo-Fluids I | 3 | C | |
| PHY 321: Vector Mechanics and Vibration | 3 | | |
| Secondary Focus Area | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 313: Mechanical Systems Project II | 3 | C | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.<br>• Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| EGR 343: Mechanics of Solid Materials | 3 | C | |
| HST 318: History of Engineering ((L or SB) & G) | 3 | | |
| MAT 343: Applied Linear Algebra | 3 | | |
| Secondary Focus Area | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 401: Professional Design Project I (L) | 3 | C | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| EGR 432: Engineering Thermo-Fluids II | 3 | | |
| EGR 444: Engineering Design | 3 | C | |
| Upper Division Secondary Focus Area | 3 | | |
| Science Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EGR 402: Professional Design Project II | 3 | | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area. |
| EGR 445: Mechanical Engineering Systems | 3 | | |
| Upper Division Secondary Focus Area | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Science Elective |
|---|
| ABS 130: Introduction to Environmental Science (SQ) |
| ABS 225: Soils (SQ) |
| AST 111: Introduction to Solar Systems Astronomy (SQ) |
| BIO 181: General Biology I (SQ) |
| CHM 116: General Chemistry II (SQ) |
| CHM 231: Elementary Organic Chemistry (SQ) |
| ENV 130: Introduction to Environmental Science (SQ) |
| GLG 101: Introduction to Geology I (Physical) (SQ) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Engineering (Robotics), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSEGRRBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| EGR 101: Foundations of Engineering Design Project I | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 102: Foundations of Engineering Design Project II | 3 | | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 265 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 201: Use-Inspired Design Project I | 3 | C | • Prep for success using the Sophomore Guide. |
| EGR 216: Engineering Electrical Fundamentals | 3 | C | |
| EGR 218: Materials and Manufacturing Processes | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |

| | | |
|---|---|---|
| Complete MAT 266 course(s). | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 202: Use-Inspired Design Project II | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| EGR 217: Engineering Mechanics Fundamentals | 3 | C | |
| EGR 219: Computational Modeling of Engineering Systems | 3 | C | |
| EGR 280: Engineering Statistics (CS) | 3 | | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Complete EGR 216 AND EGR 218 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 304: Embedded Systems Design Project I | 3 | C | • If Electrical specialization, must take EGR 330.<br>• If Mechanical specialization, must take EGR 343.<br>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| EGR 455: Robotic Systems I | 3 | C | |
| EGR 330: Design of Electrical Systems OR EGR 343: Mechanics of Solid Materials | 3 | C | |
| PHY 321: Vector Mechanics and Vibration | 3 | | |
| Secondary Focus Area | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 314: Embedded Systems Design Project II | 3 | C | • If Electrical specialization, must take EGR 334.<br>• If Mechanical specialization, must take EGR 444.<br>• A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area.<br>• Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| EGR 334: Analog-Digital Interface OR EGR 444: Engineering Design | 3 | | |
| EGR 456: Robotic Systems II | 3 | | |
| MAT 343: Applied Linear Algebra | 3 | | |
| Secondary Focus Area | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 401: Professional Design Project I (L) | 3 | C | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common |
| Upper Division Secondary Focus Area | 3 | | |
| Science Elective | 3 | | |

| | | |
|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Term hours subtotal: | 15 | |

subject prefix. Students work with an academic advisor to identify their secondary focus area.

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EGR 402: Professional Design Project II | 3 | | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least six credit hours must be at the upper-division level) which form a coherent theme.For example, all courses may share a common subject prefix. Students work with an academic advisor to identify their secondary focus area. |
| EGR 433: Transforms and Systems Modeling | 3 | | |
| HST 318: History of Engineering ((L or SB) & G) | 3 | | |
| Upper Division Secondary Focus Area | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Science Elective |
|---|
| ABS 130: Introduction to Environmental Science (SQ) |
| ABS 225: Soils (SQ) |
| AST 111: Introduction to Solar Systems Astronomy (SQ) |
| BIO 181: General Biology I (SQ) |
| CHM 116: General Chemistry II (SQ) |
| CHM 231: Elementary Organic Chemistry (SQ) |
| ENV 130: Introduction to Environmental Science (SQ) |
| GLG 101: Introduction to Geology I (Physical) (SQ) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Engineering Management, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESEMGBSE

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-CAI: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• If ENG 105 is taken, a 3 credit hour elective must also be taken prior to graduation.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Basic Science Elective | 3-4 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15-16 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • Students who have credit for CHM 113 should take CHM116.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) ( PSY 101 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Prep for success using the Sophomore Guide. |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |

| | | |
|---|---|---|
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C |
| Global Engineering/Sustainability/Entrepreneurship Course | 3-4 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16-17 | |

| **Term 4 47 - 62 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| ACC 231: Uses of Accounting Information I | 3 | C | |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | |
| Math or Science Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 5 62 - 77 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| IEE 300: Economic Analysis for Engineers | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| ACC 241: Uses of Accounting Information II | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Industry Focus Area Elective | 6 | C | |
| Math or Science Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

| **Term 6 77 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| IEE 321: Professional Engineering Practice | 1 | C | • Research and prepare for graduate school.<br>• Apply for an engineering accelerated program.<br>• Develop a professional profile online. |
| IEE 369: Work Analysis and Design (L) | 3 | C | |
| IEE 458: Project Management | 3 | C | |
| IEE 381: Lean Six Sigma Methodology | 3 | C | |
| Industry Focus Area Elective | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| **Term 7 93 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| IEE 485: Systems Design Capstone I (L) | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| IEE 431: Engineering Administration (L) | 3 | C | |
| IEE 454: Risk Management | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Industry Focus Area Elective | 6 | C | |
| Term hours subtotal: | 15 | | |

| **Term 8 108 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | IEE 486: Systems Design Capstone II (L) | 3 | C |
| | IEE 456: Introduction to Systems Engineering | 3 | C |
| | IEE 477: System Dynamics and Thinking | 3 | C |
| | MGT 300: Principles of Management and Leadership | 3 | C |
| | Term hours subtotal: | 12 | |

- Some Industry Focus Area Electives are sequential and may be offered only in the Fall or Spring semester.
- Some Industry Focus Area Electives may require additional prerequisites.
- For additional information on major curriculum, including Industry Focus Area Electives, please visit theEngineering Management Degree Requirements website.

Hide Course List(s)/Track Group(s)

| Basic Science Elective |
|---|
| BIO 181: General Biology I (SQ) |
| BIO 182: General Biology II (SG) |
| BIO 201: Human Anatomy and Physiology I (SG) |
| BIO 202: Human Anatomy and Physiology II (SG) |
| BME 111: Engineering Perspectives on Biological Systems |
| CHM 113: General Chemistry I (SQ) |
| GLG 101: Introduction to Geology I (Physical) (SQ) |
| GLG 102: Introduction to Geology II (Historical) (SG & H) |
| GLG 110: Dangerous World (SQ & G) |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |
| PHY 241: University Physics III |

| Global Engineering/Sustainability/Entrepreneurship |
|---|
| ABS 270: Sustainable Biological Systems |
| ALA 102: Landscapes and Sustainability (HU & G) |
| CEE 181: Technological, Social, and Sustainable Systems (HU) |
| FSE 150: Perspectives on Grand Challenges for Engineering (SB) |
| FSE 301: Entrepreneurship and Value Creation |
| PUP 190: Sustainable Cities ((HU or SB) & G) or SOS 111: Sustainable Cities ((HU or SB) & G) |
| SES 106: Habitable Worlds (SQ) |
| SOS 100: Introduction to Sustainability (G) |
| SOS 110: Sustainable World (SB) |
| SOS 171: The Thread of Energy (SB & G) or GCU 171: The Thread of Energy (SB & G) |

| Industry Focus Area Elective (Business Analytics Industry) |
|---|
| IEE 3** Elective |
| IEE 376: Operations Research Deterministic Techniques/Applications |
| IEE 385: Engineering Statistics: Probability |
| IEE 4** Elective |
| IEE 461: Production Control |
| IEE 474: Quality Control |
| Not From IEE 431 or IEE 454 or IEE 456 or IEE 458 or IEE 485 or IEE 486 |
| Math or Science Elective (Business Analytics Industry) |
| MAT 275: Modern Differential Equations (MA) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |

| Industry Focus Area Elective (Communication and Networks Industry) |
|---|
| EEE 202: Circuits I |
| EEE 203: Signals and Systems I |
| EEE 350: Random Signal Analysis |
| EEE 455: Communication Systems |
| EEE 459: Communication Networks |
| Math or Science Elective (Communication and Networks industry) |

| Industry Focus Area (Software Engineering) - offered at Poly |
|---|
| Required Courses: |
| SER 222: Design and Analysis of Data Structures and Algorithms |
| SER 334: Operating Systems and System Programming |
| Complete 3 classes from the list below: |
| SER 321: Principles of Distributed Software Systems |

| Industry Focus Area Elective (Electronics and Semiconductor Industry) |
|---|
| EEE 202: Circuits I |
| EEE 241: Fundamentals of Electromagnetics |
| EEE 352: Properties of Electronic Materials |
| EEE 434: Quantum Mechanics for Engineers |
| EEE 435: Fundamentals of CMOS and MEMS |
| EEE 436: Fundamentals of Solid-State Devices |

MAT 275: Modern Differential Equations (MA)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

SER 322: Principles of Database Management

SER 421: Web-Based Applications

SER 423: Mobile Systems

Math or Science Elective (Software Engineering Industry)

CSE 230: Computer Organization and Assembly Language Programming

MAT 243: Discrete Mathematical Structures

EEE 439: Semiconductor Facilities and Cleanroom Practices

Math or Science Elective (Electronics and Semiconductor Industry)

MAT 275: Modern Differential Equations (MA)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

Industry Focus Area Elective (Mechanical Systems Industry)

Required Courses

CEE 384: Numerical Methods for Engineers (CS) or MAE 384: Advanced Mathematical Methods for Engineers (CS)

MAE 201: Mechanics of Particles and Rigid Bodies I: Statics

MAE 241: Introduction to Thermodynamics

Elective Choices

MEE 340: Heat Transfer

MEE 434: Internal Combustion Engines

MEE 482: Intermediate Thermodynamics

MSE 355: Structure and Defects

Math or Science Elective (Mechanical Systems Industry)

MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics

MAT 275: Modern Differential Equations (MA)

MSE 250: Structure and Properties of Materials

PHY 131: University Physics II: Electricity and Magnetism (SQ)

Industry Focus Area Elective (Sustainable and Environmentally Benign Industry)

CEE 213: Introduction to Deformable Solids

CEE 361: Introduction to Environmental Engineering

CEE 384: Numerical Methods for Engineers (CS) or MAE 384: Advanced Mathematical Methods for Engineers (CS)

CEE 400: Earth Systems Engineering and Management ((L or HU) & H)

Industry Focus Area Elective (Power Systems Industry)

EEE 202: Circuits I

EEE 241: Fundamentals of Electromagnetics

EEE 360: Energy Systems and Power Electronics

EEE 463: Electrical Power Plants

EEE 470: Electric Power Devices

EEE 472: Power Electronics and Power Management

Math or Science Elective (Power Systems Industry)

MAT 275: Modern Differential Equations (MA)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

Industry Focus Area Elective (Software Industry)

CSE 240: Introduction to Programming Languages or CSE 220: Programming for Computer Engineering

CSE 3** Elective

CSE 310: Data Structures and Algorithms

CSE 360: Introduction to Software Engineering

CSE 4** Elective

Math or Science Elective (Software Industry)

MAT 243: Discrete Mathematical Structures (required)

General Math or Science Course Approved by SCAI Advisor

| |
|---|
| CEE 467: Environmental Microbiology |
| CEE 470: Sustainable Environmental Biotechnologies |
| Math or Science Elective (Sustainable and Environmentally Benign Industry |
| CEE 210: Engineering Mechanics I: Statics or EVE 214: Environmental Engineering Mechanics |
| MAT 275: Modern Differential Equations (MA) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Engineering Management, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Online ASU Local
ESEMGBSE

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-CAI: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• If ENG 105 is taken, a 3 credit hour elective must also be taken prior to graduation. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) ( PSY 101 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 24 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSE 100: Introduction to Engineering | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| Basic Science Elective | 3-4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 5-6 | | |

| Term 3 - A 24 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 30 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Prep for success using the Sophomore Guide. |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 36 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 231: Uses of Accounting Information I | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 43 - 49 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACC 241: Uses of Accounting Information II | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 49 - 55 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | C | • IEE380 is a Session C course (15 weeks long). |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 55 - 61 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Global Engineering/Sustainability/Entrepreneurship Course | 3-4 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| Math or Science Elective | 3 | C | |
| Term hours subtotal: | 6-7 | | |

| Term 6 - A 61 - 67 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IEE 300: Economic Analysis for Engineers | 3 | C | |
| Industry Focus Area Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 67 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | • Students who have credit for CHM113 should take CHM116.<br>• Research and prepare for graduate school.<br>• Apply for an engineering accelerated program.<br>• Develop a professional profile online. |
| IEE 454: Risk Management | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 7 - A 74 - 80 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ★ IEE 458: Project Management | 3 | C |
| Math or Science Elective | 3 | C |
| Term hours subtotal: | 6 | |

| Term 7 - B 80 - 86 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IEE 431: Engineering Administration (L) | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| Upper Division Industry Focus Area Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 86 - 92 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IEE 369: Work Analysis and Design (L) | 3 | C | • IEE369 is a Session C course (15 weeks long). |
| IEE 381: Lean Six Sigma Methodology | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 92 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IEE 321: Professional Engineering Practice | 1 | C | |
| Upper Division Industry Focus Area Elective | 3 | C | |
| Term hours subtotal: | 4 | | |

| Term 9 - A 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IEE 485: Systems Design Capstone I (L) | 3 | C | • IEE485 is a Session C course (15 weeks long). |
| IEE 477: System Dynamics and Thinking | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 102 - 108 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Industry Focus Area Elective | 6 | C | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IEE 486: Systems Design Capstone II (L) | 3 | C | • IEE486 is a Session C course (15 weeks long). |
| IEE 456: Introduction to Systems Engineering | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MGT 300: Principles of Management and Leadership | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.
    - Some Industry Focus Area Electives are sequential and may be offered only in the Fall or Spring semester.
    - Some Industry Focus Area Electives may require additional prerequisites.
    - For more information on Industry Focus Areas please visit theSCAI website.

Hide Course List(s)/Track Group(s)

| Basic Science Elective |
| --- |
| BIO 181: General Biology I (SQ) |
| BIO 182: General Biology II (SG) |
| BIO 201: Human Anatomy and Physiology I (SG) |
| BIO 202: Human Anatomy and Physiology II (SG) |
| CHM 113: General Chemistry I (SQ) |
| GLG 101: Introduction to Geology I (Physical) (SQ) |
| GLG 102: Introduction to Geology II (Historical) (SG & H) |
| GLG 110: Dangerous World (SQ & G) |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |
| PHY 241: University Physics III |

| Industry Focus Area (Software Engineering) |
| --- |
| Required Courses: |
| SER 222: Design and Analysis of Data Structures and Algorithms |
| SER 334: Operating Systems and System Programming |
| Complete 3 classes from the list below: |
| SER 321: Principles of Distributed Software Systems |
| SER 322: Principles of Database Management |
| SER 421: Web-Based Applications |
| SER 423: Mobile Systems |
| Math or Science Elective (Software Engineering Industry) |
| CSE 230: Computer Organization and Assembly Language Programming |
| MAT 243: Discrete Mathematical Structures |

| Global Engineering/Sustainability/Entrepreneurship |
| --- |
| ABS 270: Sustainable Biological Systems |
| CEE 181: Technological, Social, and Sustainable Systems (HU) |
| FSE 301: Entrepreneurship and Value Creation |
| SES 106: Habitable Worlds (SQ) |
| SOS 100: Introduction to Sustainability (G) |
| SOS 110: Sustainable World (SB) |
| SOS 111: Sustainable Cities ((HU or SB) & G) or PUP 190: Sustainable Cities ((HU or SB) & G) |
| SOS 171: The Thread of Energy (SB & G) |

| Industry Focus Area (Business Analytics) |
| --- |
| Complete 5 classes from the list below: |
| IEE 3** Elective |
| IEE 376: Operations Research Deterministic Techniques/Applications |
| IEE 385: Engineering Statistics: Probability |
| IEE 4** Elective |
| IEE 461: Production Control |
| IEE 474: Quality Control |
| Math or Science Elective (Business Analytics Industry) |
| MAT 275: Modern Differential Equations (MA) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Environmental Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESEVEBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSE 100: Introduction to Engineering | 2 | C | • ASU 101 is required of all first-year students; FSE 394 is required for all new transfer students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ASU 101-EVE: The ASU Experience | 1 | | |
| CHM 113: General Chemistry I (SQ) | 4 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| CEE 181: Technological, Social, and Sustainable Systems (HU) | 3 | | |
| CHM 116: General Chemistry II (SQ) | 4 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | • Prep for success using the Sophomore Guide. |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| EVE 261: Introduction to Environmental Processes | 3 | C | |
| EVE 290: Statistics and Probability for Environmental Data | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |

| | | |
|---|---|---|
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 275: Modern Differential Equations (MA) | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CHE 211: Introduction to Chemical Processing | 3 | C | |
| EVE 214: Environmental Engineering Mechanics | 3 | C | |
| EVE 302: Environmental Engineering Fundamentals: Physical and Chemical Processes | 3 | | |
| GLG 101: Introduction to Geology I (Physical) (SQ) OR GLG 108: Water Planet (SQ) OR GLG 110: Dangerous World (SQ & G) | 3-4 | | |
| Term hours subtotal: | 15-16 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EVE 303: Environmental Engineering Fundamentals: Microbiological Processes | 3 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CEE 300: Engineering Business Practice (L) | 3 | | |
| CEE 384: Numerical Methods for Engineers (CS) | 3 | | |
| EVE 304: Environmental Engineering Processes Lab | 2 | | |
| EVE 314: Data Science for Environmental and Civil Engineers | 3 | | |
| Environmental Elective | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 6 77 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 341: Fluid Mechanics for Civil Engineers | 4 | | • Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| EVE 354: Materials in the Environment | 4 | | |
| EVE 452: Environmental Investigation and Remediation Design | 3 | | |
| EVE 461: Unit Operations in Drinking Water Treatment | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Summer 6 91 - 92 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EVE 484: Internship | 1 | C | |
| Term hours subtotal: | 1 | | |

| Term 7 92 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEE 467: Environmental Microbiology | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| CEE 400: Earth Systems Engineering and Management ((L or HU) & H) | 3 | | |
| CEE 440: Hydrology | 3 | | |
| EVE 465: Unit Operations in Wastewater Treatment | 3 | | |
| Environmental Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 8 107 - 120 Credit Hours Necessary course signified by | Hours | Grade | Notes |
|---|---|---|---|
| CEE 486: Integrated Civil Engineering Design (L) | 4 | | |
| CEE 441: Water Resources Engineering | 3 | | |
| Environmental Elective | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 13 | | |

Hide Course List(s)/Track Group(s)

Environmental Electives

- ASB 326: Human Impacts on Ancient Environments (SB & H)
- ASB 370: Ethics of Eating (L or SB)
- BIO 324: Environmental Ethics (HU)
- CEE 351: Geotechnical Engineering
- CEE 372: Transportation Engineering
- CEE 466: Urban Water System Design
- CEE 470: Sustainable Environmental Biotechnologies
- CEE 485: Sustainable Civil and Environmental Systems Engineering
- CHE 469: Air Quality Engineering
- CHM 231: Elementary Organic Chemistry (SQ)
- CHM 233: General Organic Chemistry I
- CHM 240: Mathematical Methods in Chemistry (CS)
- CHM 302: Environmental Chemistry
- CHM 325: Analytical Chemistry
- CHM 327: Instrumental Analysis
- ENG 334: The American Southwest in Literature and Film ((L or HU) & C)
- ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)
- ENG 367: Water, Dams and Culture (L or HU)
- ENG 371: Rhetoric of the Environmental Movement
- ENG 378: Environmental Creative Nonfiction (L or HU)

ENG 468: Environmental Literary Criticism (L or HU)

EVE 492: Honors Directed Study

EVE 493: Honors Thesis (L)

EVE 494: Special Topics

EVE 498: Pro-Seminar

EVE 499: Individualized Instruction

FSE 301: Entrepreneurship and Value Creation

HST 342: U.S. West 20th Century (SB & H)

HST 345: Environmental History (L)

JUS 332: Politics of Energy Policy and Justice

JUS 444: Environment and Justice (L & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Environmental and Resource Management, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSETMBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • Students wishing to take HSE 230 in Term 3 should complete HSE 101 in Term 2.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) ( HSE 101 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 28 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ERM 201: Environmental Management | 3 | C | • Prep for success using the Sophomore Guide. |
| CHM 231: Elementary Organic Chemistry (SQ) | 3 | C | |
| STP 226: Elements of Statistics (CS) OR HSE 230: Statistics for Human Systems Research I (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete CHM 113 course(s). | | | |
| Complete MAT 210 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 43 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ERM 203: Environmental Regulations | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events.<br>• Students interested in taking EVE courses should check pre-requisites. These courses are only offered on the Tempe campus. |
| PHY 111: General Physics (SQ) | 3 | C | |
| Technical Elective | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 5 59 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ERM 407: Occupational Hygiene | 3 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| ERM 432: Sustainable Solid Waste Management | 3 | | |
| Technical Elective | 3 | | |
| ERM Upper Division Elective | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) ( TWC 446 recommended) | 3 | | |
| Complete CHM 231 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 6 74 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ERM 302: Water and Wastewater Treatment Technology | 3 | C | • Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| ERM 401: Hazardous Waste Management | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 4 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ERM 402: Unit Treatment Technologies | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| ERM 480: Senior Project | 3 | C | |
| Upper Division Technical Elective | 3 | | |
| ERM Upper Division Elective | 3 | | |
| Elective OR ERM 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ERM 406: Environmental Chemistry | 3 | | |
| ERM 428: International Environmental Management (G) | 3 | | |
| Upper Division Technical Elective | 3 | | |
| *Complete 2 courses:*<br>Technical Elective | 6 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

Technical Elective(s)

ABS OR AGB OR BIO OR CEE OR CHM OR CIS OR CSE OR ECN OR EDT OR EGR OR EVE OR FSE OR GIT OR GLG OR GPH OR HSE OR IFT OR MAT OR MFG OR OMT OR PHY OR PUP OR SOS OR TEM OR TMC Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Graphic Information Technology, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSGITBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIT 135: Graphic Communications | 3 | C | |
| GIT 210: Creative Thinking and Design Visualization | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 230: Digital Illustration in Publishing | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 117: College Algebra (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 117 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 250: Introduction to Commercial Print | 3 | | • Prep for success using the Sophomore Guide. |
| TMC 110: Understanding the Enterprise | 3 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete GIT 135 AND GIT 210 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 13 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 215: Introduction to Web Authoring | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 315: Digital Video Techniques | 3 | | • A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 3 credit hours must be upper-division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| GIT 384: Commercial Photography | 3 | | |
| TWC 451: Copyright and Intellectual Property in the Electronic Age | 3 | | |
| Primary Focus Area | 3 | | |
| Secondary Focus Area | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 303: Digital Publishing | 3 | | • A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 3 credit hours must be upper-division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.<br>• Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| GIT 314: Multimedia Design, Planning and Storyboards | 3 | | |
| Primary Focus Area | 3 | | |
| Secondary Focus Area | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 480: Senior Project | 3 | | • A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 3 credit hours must be upper-division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| GIT 450: Digital Workflow in Graphic Industries | 3 | | |
| Upper Division Primary Focus Area | 3 | | |
| Secondary Focus Area | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 413: Professional Portfolio Design and Presentation | 3 | | • A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 3 credit hours must be upper-division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement. |
| GIT 432: Graphic Industry Business Practices | 3 | | |
| Upper Division Primary Focus Area | 3 | | |
| Upper Division Secondary Focus Area | 3 | | |
| GIT Upper Division Elective ( GIT 484 recommended) | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 15 | • Complete an in person or virtual practice interview. |

- Students in the BS Graphic Information Technology program select a primary focus area consisting of 12 hours of focused courses (minimum six hours of upper-division). Focus areas are listed below.

Hide Course List(s)/Track Group(s)

| Digital Design, Print, and Publishing |
|---|
| GIT 333: Printing Technology |
| GIT 334: Image Editing and Manipulation |
| GIT 437: Color Reproduction Systems |
| GIT 494: Special Topics |
| TWC 411: Principles of Visual Communication (L) |

| Front-End Web Development |
|---|
| GIT 337: Web Content Design |
| GIT 414: Web Site Design and Internet/Web Technologies |
| GIT 417: Advanced Web Markup and Scripting |
| GIT 418: Multimedia Authoring, Scripting and Production |
| GIT 494: Special Topics |

| Interaction Design |
|---|
| GIT 340: Information Design and Usability |
| GIT 350: Cross-Media Design |
| GIT 402: New Media Internet Technologies |
| GIT 435: Website and E-Commerce Strategies |
| GIT 494: Special Topics |

| Commercial Photography and Video |
|---|
| GIT 334: Image Editing and Manipulation |
| GIT 415: Advanced Digital Video Techniques |
| GIT 445: 360 Production |
| GIT 490: Advanced Commercial Photography |
| GIT 494: Special Topics |

| Motion Graphics/Visual Effects |
|---|
| GIT 211: 3D Media Production |
| GIT 312: Computer Animation and Motion Graphics (CS) |
| GIT 334: Image Editing and Manipulation |
| GIT 411: Visual Narrative in Motion Graphics |
| GIT 494: Special Topics |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Graphic Information Technology, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
TSGITBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students. |
| GIT 135: Graphic Communications | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | | • View ASU Online first-year student registration information here.<br>• Prep for success using the First-Year Student Guide<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIT 210: Creative Thinking and Design Visualization | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 25 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 230: Digital Illustration in Publishing | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 117 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 250: Introduction to Commercial Print | 3 | | |

| | | | |
|---|---|---|---|
| TMC 110: Understanding the Enterprise | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Prep for success using the Sophomore Guide. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete GIT 135 AND GIT 210 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 45 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 215: Introduction to Web Authoring | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 54 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 60 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 384: Commercial Photography | 3 | | • A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 3 credit hours must be at the upper-division level) which form a coherent theme. |
| TWC 451: Copyright and Intellectual Property in the Electronic Age | 3 | | |
| Primary Focus Area | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 315: Digital Video Techniques | 3 | | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| Secondary Focus Area | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 303: Digital Publishing | 3 | | • Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| GIT 314: Multimedia Design, Planning and Storyboards | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Primary Focus Area | 3 | | |

| | | |
|---|---|---|
| Secondary Focus Area | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 3 credit hours must be at the upper-division level) which form a coherent theme.

| Term 7 - A 90 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 450: Digital Workflow in Graphic Industries | 3 | | |
| Upper Division Primary Focus Area | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 480: Senior Project | 3 | | |
| Secondary Focus Area | 3 | | |
| Term hours subtotal: | 6 | | |

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 3 credit hours must be at the upper-division level) which form a coherent theme.

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 413: Professional Portfolio Design and Presentation | 3 | | |
| Upper Division Primary Focus Area | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 432: Graphic Industry Business Practices | 3 | | |
| Upper Division Secondary Focus Area | 3 | | |
| GIT Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 3 credit hours must be at the upper-division level) which form a coherent theme.

- Students in the BS Graphic Information Technology program select a primary focus area consisting of 12 hours of focused courses (minimum of six upper-division). Focus areas are listed below.

Hide Course List(s)/Track Group(s)

| Interaction Design | Motion Graphics/Visual Effects | Digital Design, Print, and Publishing |
|---|---|---|
| GIT 340: Information Design and Usability | GIT 211: 3D Media Production | GIT 333: Printing Technology |
| GIT 350: Cross-Media Design | GIT 312: Computer Animation and Motion Graphics (CS) | GIT 334: Image Editing and Manipulation |
| GIT 402: New Media Internet Technologies | GIT 334: Image Editing and Manipulation | GIT 437: Color Reproduction Systems |
| GIT 435: Website and E-Commerce Strategies | GIT 411: Visual Narrative in Motion Graphics | GIT 494: Special Topics |
| GIT 494: Special Topics | GIT 494: Special Topics | TWC 411: Principles of Visual Communication (L) |
| Front-End Web Development | Commercial Photography and Video | |

| | |
|---|---|
| GIT 337: Web Content Design | GIT 334: Image Editing and Manipulation |
| GIT 414: Web Site Design and Internet/Web Technologies | GIT 415: Advanced Digital Video Techniques |
| GIT 417: Advanced Web Markup and Scripting | GIT 445: 360 Production |
| GIT 418: Multimedia Authoring, Scripting and Production | GIT 490: Advanced Commercial Photography |
| GIT 494: Special Topics | GIT 494: Special Topics |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Graphic Information Technology (Full-Stack Web Development), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
ESGITFSWBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIT 135: Graphic Communications | 3 | C | |
| GIT 210: Creative Thinking and Design Visualization | 3 | | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 230: Digital Illustration in Publishing | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIT 250: Introduction to Commercial Print | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 117 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 101: Information Technology Programming Logic | 3 | C | • Prep for success using the Sophomore Guide. |
| TMC 110: Understanding the Enterprise | 3 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete GIT 135 AND GIT 210 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 215: Introduction to Web Authoring | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| IFT 200: Information Modeling, Storage and Retrieval | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 337: Web Content Design | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| GIT 303: Digital Publishing | 3 | | |
| GIT 315: Digital Video Techniques | 3 | | |
| GIT 384: Commercial Photography | 3 | | |
| IFT 210: Introduction to Java Technologies | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 314: Multimedia Design, Planning and Storyboards | 3 | | • Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop a professional profile online. |
| GIT 414: Web Site Design and Internet/Web Technologies | 3 | | |
| IFT 458: Middleware Programming and Database Security | 3 | C | |
| TWC 451: Copyright and Intellectual Property in the Electronic Age | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 450: Digital Workflow in Graphic Industries | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| GIT 417: Advanced Web Markup and Scripting | 3 | C | |
| GIT 480: Senior Project | 3 | | |
| Upper Division Full-Stack Elective | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 413: Professional Portfolio Design and Presentation | 3 | | • Complete an in person or virtual practice interview. |
| GIT 418: Multimedia Authoring, Scripting and Production | 3 | | |
| GIT 432: Graphic Industry Business Practices | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| |
|---|
| Full-Stack Elective |
| GIT 340: Information Design and Usability |
| GIT 435: Website and E-Commerce Strategies |
| GIT 484: Internship |
| IFT 300: Intermediate Database Management Systems |
| IFT 365: Applied Programming Language for Information Technology |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Graphic Information Technology (Full-Stack Web Development), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Online ASU Local
ESGITFSWBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIT 135: Graphic Communications | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 210: Creative Thinking and Design Visualization | 3 | | • View ASU Online first-year student registration information here. |
| MAT 117: College Algebra (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| GIT 230: Digital Illustration in Publishing | 3 | C | |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 25 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 250: Introduction to Commercial Print | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 117 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 32 - 42 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 101: Information Technology Programming Logic | 3 | C | |

| | | |
|---|---|---|
| TMC 110: Understanding the Enterprise | 3 | • Prep for success using the Sophomore Guide. |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Term hours subtotal: | 10 | |

| Term 3 - B 42 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete GIT 135 AND GIT 210 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 48 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 215: Introduction to Web Authoring | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| IFT 200: Information Modeling, Storage and Retrieval | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 54 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 63 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 337: Web Content Design | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| GIT 303: Digital Publishing | 3 | | |
| IFT 210: Introduction to Java Technologies | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 72 - 78 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 315: Digital Video Techniques | 3 | | |
| GIT 384: Commercial Photography | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 78 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 314: Multimedia Design, Planning and Storyboards | 3 | | • Thinking about graduate school? Consider registering for a grad school test prep course .<br>• Develop a professional profile online. |
| GIT 414: Web Site Design and Internet/Web Technologies | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 84 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 458: Middleware Programming and Database Security | 3 | C | |
| TWC 451: Copyright and Intellectual Property in the Electronic Age | 3 | | |

| | | |
|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 9 | |

| Term 7 - A 93 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 450: Digital Workflow in Graphic Industries | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| GIT 417: Advanced Web Markup and Scripting | 3 | C | |
| GIT 480: Senior Project | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 102 - 108 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Full-Stack Elective | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 413: Professional Portfolio Design and Presentation | 3 | | • Complete an in person or virtual practice interview. |
| GIT 432: Graphic Industry Business Practices | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 418: Multimedia Authoring, Scripting and Production | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| Full-Stack Elective |
|---|
| GIT 340: Information Design and Usability |
| GIT 435: Website and E-Commerce Strategies |
| GIT 484: Internship |
| IFT 300: Intermediate Database Management Systems |
| IFT 365: Applied Programming Language for Information Technology |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Graphic Information Technology (User Experience), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
ESGITUEBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIT 135: Graphic Communications | 3 | C | |
| GIT 210: Creative Thinking and Design Visualization | 3 | | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 230: Digital Illustration in Publishing | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIT 250: Introduction to Commercial Print | 3 | | |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 117 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | C | • Prep for success using the Sophomore Guide. |
| TMC 110: Understanding the Enterprise | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete GIT 135 AND GIT 210 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 13 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 215: Introduction to Web Authoring | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| HSE 225: Human Systems Integration | 3 | C | |
| HSE 290: Experimental Methods for Human Systems Research (L) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 337: Web Content Design | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| GIT 303: Digital Publishing | 3 | | |
| GIT 315: Digital Video Techniques | 3 | | |
| GIT 384: Commercial Photography | 3 | | |
| TWC 451: Copyright and Intellectual Property in the Electronic Age | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 314: Multimedia Design, Planning and Storyboards | 3 | | • Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| GIT 340: Information Design and Usability | 3 | | |
| GIT 414: Web Site Design and Internet/Web Technologies | 3 | | |
| HSE 390: Qualitative Research Methods (L) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 450: Digital Workflow in Graphic Industries | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| GIT 480: Senior Project | 3 | | |
| HSE 325: Human-Computer Interaction | 3 | C | |
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | | |
| GIT Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 413: Professional Portfolio Design and Presentation | 3 | | • Complete an in person or virtual practice interview. |
| GIT 432: Graphic Industry Business Practices | 3 | | |
| TWC 414: Visualizing Data and Information | 3 | | |
| TWC 444: User Experience | 3 | | |
| GIT 484: Internship OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Graphic Information Technology (User Experience), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Online ASU Local
ESGITUEBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIT 135: Graphic Communications | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 210: Creative Thinking and Design Visualization | 3 | | • View ASU Online first-year student registration information here. |
| MAT 117: College Algebra (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 230: Digital Illustration in Publishing | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 25 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 250: Introduction to Commercial Print | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 117 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 32 - 39 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TMC 110: Understanding the Enterprise | 3 | | |

| | | | |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | • Prep for success using the Sophomore Guide. |
| Term hours subtotal: | 7 | | |

| Term 3 - B 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete GIT 135 AND GIT 210 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 215: Introduction to Web Authoring | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| HSE 225: Human Systems Integration | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 51 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 290: Experimental Methods for Human Systems Research (L) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 337: Web Content Design | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| GIT 303: Digital Publishing | 3 | | |
| TWC 451: Copyright and Intellectual Property in the Electronic Age | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 315: Digital Video Techniques | 3 | | |
| GIT 384: Commercial Photography | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 314: Multimedia Design, Planning and Storyboards | 3 | | • Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| GIT 340: Information Design and Usability | 3 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 414: Web Site Design and Internet/Web Technologies | 3 | | |
| HSE 390: Qualitative Research Methods (L) | 3 | C | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 450: Digital Workflow in Graphic Industries | 3 | | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| ★ GIT 480: Senior Project | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 325: Human-Computer Interaction | 3 | C | |
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | | |
| GIT Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIT 413: Professional Portfolio Design and Presentation | 3 | | • Complete an in person or virtual practice interview. |
| TWC 414: Visualizing Data and Information | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 432: Graphic Industry Business Practices | 3 | | |
| TWC 444: User Experience | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Human Systems Engineering, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
ESHSEBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 290: Experimental Methods for Human Systems Research (L) | 3 | C | • Prep for success using the Sophomore Guide. |
| HSE 223: Applied Biology of Human Behavior (SB) | 3 | C | |
| HSE 224: Applied Social Science (SB) | 3 | C | |
| Technical Elective | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 225: Human Systems Integration | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| *Complete 2 courses:*<br>Technical Elective | 6 | | |
| Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 324: Applied Cognitive Science (SB) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| HSE 390: Qualitative Research Methods (L) | 3 | C | |
| Human Systems Engineering Elective | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 323: Perceptual Systems (SB) | 3 | C | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| HSE 325: Human-Computer Interaction | 3 | C | |
| Upper Division Human Systems Engineering Elective | 3 | | |
| Technical Elective | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 430: Statistics for Human Systems Research II (CS) | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| *Complete 2 courses:*<br>Upper Division Human Systems Engineering Elective | 6 | | |
| Upper Division Technical Elective | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 477: Human Systems Engineering Capstone Experience | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Human Systems Engineering Elective | 6 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- Technical Electives should be chosen from the prefixes below. Three credit hours must be upper-division.

Hide Course List(s)/Track Group(s)

| Technical Electives |
| --- |
| AME Elective |
| AMT Elective |
| BIO Elective |
| BME Elective |
| BMI Elective |
| CAP Elective |
| CIS Elective |
| CSE Elective |
| EEE Elective |
| EGR Elective |
| GIT Elective |
| HSE Elective |
| IEE Elective |
| IFT Elective |
| MFG Elective |
| OMT Elective |
| PSY Elective |
| SER Elective |
| TEM Elective |
| TMC Elective |
| TWC Elective |

| Human Systems Engineering Elective |
| --- |
| HSE 422: Human Factors in Sport |
| HSE 423: Human Factors in Transportation |
| HSE 424: Human Automation Interaction |
| HSE 425: Human Factors in Medical Systems |
| HSE 426: Training and Expertise |
| HSE 427: Designing for Learning |
| HSE 428: Judgment and Decision Making |
| HSE 429: Product Design and Evaluation |
| HSE 484: Internship |
| HSE 494: Special Topics |
| HSE 499: Individualized Instruction |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Human Systems Engineering, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
ESHSEBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the Freshman Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 170: Precalculus (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 24 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 10 | | |

| Term 2 - B 24 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FSE 100: Introduction to Engineering | 2 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 30 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | | | • Prep for success using the Sophomore Guide. |

| | | | |
|---|---|---|---|
| HSE 290: Experimental Methods for Human Systems Research (L) | 3 | C | • Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni. |
| HSE 223: Applied Biology of Human Behavior (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 224: Applied Social Science (SB) | 3 | C | |
| Technical Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 225: Human Systems Integration | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| Technical Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 51 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Technical Elective | 3 | | |
| Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 324: Applied Cognitive Science (SB) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| Human Systems Engineering Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 390: Qualitative Research Methods (L) | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 323: Perceptual Systems (SB) | 3 | C | • Research and prepare for graduate school .<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| Upper Division Human Systems Engineering Elective | 3 | | |
| Technical Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 325: Human-Computer Interaction | 3 | C | |
| Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HSE 430: Statistics for Human Systems Research II (CS) | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| Upper Division Human Systems Engineering Elective | 3 | | |
| Upper Division Technical Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Human Systems Engineering Elective | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HSE 477: Human Systems Engineering Capstone Experience | 3 | C | |
| Upper Division Human Systems Engineering Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Human Systems Engineering Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Technical electives should be chosen from the prefixes below. Three credit hours must be upper-division.

Hide Course List(s)/Track Group(s)

| Technical Electives | Human System Engineering Electives |
|---|---|
| BIO Elective | HSE 422: Human Factors in Sport |
| BMI Elective | HSE 423: Human Factors in Transportation |
| CIS Elective | HSE 424: Human Automation Interaction |
| CSE Elective | HSE 425: Human Factors in Medical Systems |
| EEE Elective | HSE 426: Training and Expertise |
| GIT Elective | HSE 427: Designing for Learning |
| HSE Elective | HSE 428: Judgment and Decision Making |
| IEE Elective | HSE 429: Product Design and Evaluation |
| IFT Elective | HSE 484: Internship |
| OMT Elective | HSE 494: Special Topics |

| | |
|---|---|
| PSY Elective | HSE 499: Individualized Instruction |
| SER Elective | |
| TEM Elective | |
| TMC Elective | |
| TWC Elective | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Human Systems Engineering (User Experience), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
ESHSEUEBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 290: Experimental Methods for Human Systems Research (L) | 3 | C | • Prep for success using the Sophomore Guide. |
| HSE 223: Applied Biology of Human Behavior (SB) | 3 | C | |
| HSE 224: Applied Social Science (SB) | 3 | C | |
| User Experience Concentration Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 225: Human Systems Integration | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CIS 105: Computer Applications and Information Technology (CS) OR CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | | |
| User Experience Concentration Course | 3 | C | |
| Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 324: Applied Cognitive Science (SB) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| HSE 390: Qualitative Research Methods (L) | 3 | C | |
| Upper Division Human Systems Engineering Elective | 3 | | |
| User Experience Concentration Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 323: Perceptual Systems (SB) | 3 | C | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| HSE 325: Human-Computer Interaction | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Human Systems Engineering Elective | 6 | | |
| User Experience Concentration Course | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 430: Statistics for Human Systems Research II (CS) | 3 | | • Plan for success using the Senior Guide.<br>• Apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| *Complete 2 courses:*<br>Upper Division User Experience Concentration Course | 6 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 477: Human Systems Engineering Capstone Experience | 3 | C | |
| Upper Division User Experience Concentration Course | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

- Students must take seven classes from the User Experience Concentration list below, and three classes from the HSE Electives list below.

Hide Course List(s)/Track Group(s)

| User Experience Concentration |
|---|
| GIT 135: Graphic Communications |
| GIT 210: Creative Thinking and Design Visualization |
| GIT 215: Introduction to Web Authoring |
| GIT 230: Digital Illustration in Publishing |
| GIT 337: Web Content Design |
| GIT 340: Information Design and Usability |
| GIT 402: New Media Internet Technologies |
| GIT 414: Web Site Design and Internet/Web Technologies |
| GIT 417: Advanced Web Markup and Scripting |
| GIT 418: Multimedia Authoring, Scripting and Production |
| GIT 494: UI/UX Consulting |
| HSE 427: Designing for Learning |
| HSE 429: Product Design and Evaluation |
| TWC 411: Principles of Visual Communication (L) |
| TWC 414: Visualizing Data and Information |
| TWC 421: Principles of Web Authoring (L) |
| TWC 444: User Experience |

| Human Systems Engineering Elective |
|---|
| HSE 422: Human Factors in Sport |
| HSE 423: Human Factors in Transportation |
| HSE 424: Human Automation Interaction |
| HSE 425: Human Factors in Medical Systems |
| HSE 426: Training and Expertise |
| HSE 427: Designing for Learning |
| HSE 428: Judgment and Decision Making |
| HSE 429: Product Design and Evaluation |
| HSE 484: Internship |
| HSE 494: Special Topics |
| HSE 499: Individualized Instruction |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Human Systems Engineering (User Experience), BS

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
ESHSEUEBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 170: Precalculus (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 23 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | | |
| Elective | 1 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 23 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 30 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 290: Experimental Methods for Human Systems Research (L) | 3 | C | |

| | | | |
|---|---|---|---|
| HSE 223: Applied Biology of Human Behavior (SB) | 3 | C | • Prep for success using the Sophomore Guide. |
| Term hours subtotal: | 6 | | |

| Term 3 - B 36 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 224: Applied Social Science (SB) | 3 | C | |
| User Experience Concentration Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 9 | | |

| Term 4 - A 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 225: Human Systems Integration | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CIS 105: Computer Applications and Information Technology (CS) OR CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 51 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| User Experience Concentration Course | 3 | C | |
| Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 324: Applied Cognitive Science (SB) | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| Upper Division Human Systems Engineering Elective | 3 | | |
| User Experience Concentration Course | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 390: Qualitative Research Methods (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 323: Perceptual Systems (SB) | 3 | C | • Research and prepare for graduate school .<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| Upper Division Human Systems Engineering Elective | 3 | | |
| User Experience Concentration Course | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 325: Human-Computer Interaction | 3 | C | |
| Upper Division Human Systems Engineering Elective | 3 | | |

| | | | |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| | Term hours subtotal: | 6 | |

| Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HSE 430: Statistics for Human Systems Research II (CS) | 3 | | • Plan for success using the Senior Guide.<br>• Apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| Upper Division User Experience Concentration Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division User Experience Concentration Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HSE 477: Human Systems Engineering Capstone Experience | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division User Experience Concentration Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 9 | | |

- Students must take seven courses from the User Experience Concentration list below, and three courses from the HSE Electives list below.

Hide Course List(s)/Track Group(s)

| User Experience Concentration |
|---|
| GIT 135: Graphic Communications |
| GIT 210: Creative Thinking and Design Visualization |
| GIT 215: Introduction to Web Authoring |
| GIT 230: Digital Illustration in Publishing |
| GIT 337: Web Content Design |
| GIT 340: Information Design and Usability |
| GIT 402: New Media Internet Technologies |
| GIT 414: Web Site Design and Internet/Web Technologies |

| Human Systems Engineering Elective |
|---|
| HSE 422: Human Factors in Sport |
| HSE 423: Human Factors in Transportation |
| HSE 424: Human Automation Interaction |
| HSE 425: Human Factors in Medical Systems |
| HSE 426: Training and Expertise |
| HSE 427: Designing for Learning |
| HSE 428: Judgment and Decision Making |
| HSE 429: Product Design and Evaluation |
| HSE 484: Internship |

GIT 417: Advanced Web Markup and Scripting

GIT 418: Multimedia Authoring, Scripting and Production

GIT 494: UI/UX Consulting

HSE 427: Designing for Learning

HSE 429: Product Design and Evaluation

TWC 411: Principles of Visual Communication (L)

TWC 414: Visualizing Data and Information

TWC 421: Principles of Web Authoring (L)

TWC 444: User Experience

HSE 494: Special Topics

HSE 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Industrial Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESIEEBSE

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-CAI: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students and should be taken in the first semester.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • Students with credit for CHM 113 must take CHM 116.<br>• Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 170 OR MAT 171 OR MAT 265 OR MAT 270 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Prep for success using the Sophomore Guide. |
| IEE 210: Introduction to Industrial Engineering | 3 | C | |

| | | |
|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| MAT 267: Calculus for Engineers III (MA) | 3 | C |
| MSE 250: Structure and Properties of Materials | 3 | |
| Complete MAT 266 OR MAT 271 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| IEE 305: Information Systems Engineering (CS) | 3 | C | |
| Engineering Science Elective | 3-4 | | |
| Term hours subtotal: | 16-17 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IEE 385: Engineering Statistics: Probability | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| IEE 300: Economic Analysis for Engineers | 3 | C | |
| MAE 201: Mechanics of Particles and Rigid Bodies I: Statics | 3 | | |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IEE 321: Professional Engineering Practice | 1 | C | • Recommended Upper Division (SB) Course: FSE 394 "Engineering for Humanity" |
| IEE 376: Operations Research Deterministic Techniques/Applications | 4 | C | |
| IEE 369: Work Analysis and Design (L) | 3 | C | |
| IEE 4** Elective | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | • Research and prepare for graduate school.<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 92 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IEE 485: Systems Design Capstone I (L) | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| IEE 470: Stochastic Operations Research | 3 | C | |
| IEE 474: Quality Control | 3 | C | |
| IEE 475: Simulating Stochastic Systems (CS) | 4 | C | |
| IEE 4** Elective | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IEE 486: Systems Design Capstone II (L) | 3 | C | |
| IEE 461: Production Control | 3 | C | |
| Upper Division Industrial Engineering Major Electives | 3 | C | |
| IEE 4** Elective | 3 | C | |
| Term hours subtotal: | 12 | | |

- Some IEE Major Electives may require additional prerequisites.
- For more information on Industrial Engineering requirements please visit the SCAI website.

Hide Course List(s)/Track Group(s)

| Engineering Science Elective |
|---|
| CEE 384: Numerical Methods for Engineers (CS) |
| CSE 120: Digital Design Fundamentals |
| CSE 240: Introduction to Programming Languages |
| EEE 202: Circuits I |
| MAE 213: Mechanics of Materials |
| MAE 241: Introduction to Thermodynamics |

| Industrial Engineering Major Electives |
|---|
| CEE 400: Earth Systems Engineering and Management ((L or HU) & H) |
| CSE 310: Data Structures and Algorithms |
| CSE 330: Operating Systems |
| CSE 360: Introduction to Software Engineering |
| CSE 494: Data Mining |
| EEE 352: Properties of Electronic Materials |
| EEE 435: Fundamentals of CMOS and MEMS |
| EEE 436: Fundamentals of Solid-State Devices |
| FSE 301: Entrepreneurship and Value Creation |
| FSE 404: EPICS Gold: EPICS in Action |
| IEE 3** Elective |
| IEE 4** Elective |
| MAE 384: Advanced Mathematical Methods for Engineers (CS) or CEE 384: Numerical Methods for Engineers (CS) |
| MAT 300: Mathematical Structures (L) |
| STP 425: Stochastic Processes |
| STP 429: Applied Regression (CS) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Informatics, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESCPIBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CPI 101: Introduction to Informatics (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• If ENG 105 is taken, a three (3) credit hour elective must also be taken prior to graduation.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| CSE 110: Principles of Programming (CS) | 3 | C | |
| ASU 101-CAI: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) OR MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 242: Elementary Linear Algebra | 2 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 210 OR MAT 251 OR MAT 265 OR MAT 270 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CPI 220: Applied Data Structures and Algorithms OR CSE 310: Data Structures and Algorithms | 3 | C | • Prep for success using the Sophomore Guide.<br>• Most students will complete CPI 220. Students with credit for CSE 310 may use that in lieu of CPI 220. |
| MAT 243: Discrete Mathematical Structures | 3 | C | |
| IEE 305: Information Systems Engineering (CS) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | |
|---|---|---|
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CPI 200: Mathematical Foundations of Informatics (MA) | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| CPI 221: Advanced Object-Oriented Principles Using Java | 3 | C | |
| Informatics Focus Area | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CPI 360: Decision Making and Problem Solving | 3 | C | • Students who plan to pursue the Enterprise Informatics Focus Area will need to take IEE 380 for the CS requirement.<br>• Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| CPI 310: Web-Based Information Management Systems | 3 | C | |
| CSE 301: Computing Ethics | 1 | C | |
| GIS 270: Statistics for Geography and Planning OR IEE 380: Probability and Statistics for Engineering Problem Solving (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| *Complete 2 courses:*<br>Informatics Focus Area | 6 | C | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CPI 350: Evaluation of Informatics Systems | 3 | C | • Research and prepare for graduate school.<br>• Develop a professional profile online. |
| CSE 463: Introduction to Human Computer Interaction | 3 | C | |
| *Complete 2 courses:*<br>Informatics Focus Area | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 485: Computer Science Capstone Project I (L) | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| *Complete 4 courses:*<br>Upper Division Informatics Elective | 12 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 486: Computer Science Capstone Project II (L) | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Informatics Elective | 9 | C | |

Term hours subtotal: 12

- Upper-Division Coursework: A minimum of 21 hours of upper-division coursework is required across the Informatics Focus Area and Informatics Elective requirements.
- Informatics Focus Area: All Focus Area coursework must be completed from the same Focus Area.
- Informatics Electives: It is recommended that you work with your academic advisor when making course selections.
- For additional information on major curriculum, including Informatics Focus Area courses, please visit theInformatics Degree Requirements website.

Hide Course List(s)/Track Group(s)

| Informatics Focus Area (Data Science) |
|---|
| CSE 450: Design and Analysis of Algorithms |
| CSE 467: Data and Information Security |
| CSE 471: Introduction to Artificial Intelligence |
| CSE 475: Foundations of Machine Learning |
| CSE 476: Introduction to Natural Language Processing |
| DAT 250: Data Science and Society |
| DAT 300: Mathematical Tools for Data Science |
| DAT 301: Exploring Data in R and Python |
| DAT 401: Statistical Modeling and Inference for Data Science |
| DAT 402: Machine Learning for Data Science |

| Informatics Focus Area (Digital Culture Studies) |
|---|
| Recommended first course is AME 111. |
| AME 111: Introduction to Digital Culture (CS) |
| AME 112: Computational Thinking for Digital Culture |
| AME 130: Prototyping Dreams (L) |
| AME 220: Programming for the Web (CS) |
| AME 230: Programming for the Media Arts (CS) |
| AME 240: Introduction to Physical Computing |
| ART 116: Introduction to Digital Media |
| ART 206: Digital Photography I |
| ART 217: Introduction to Computer Animation |
| ART 218: 3D Tools |
| ART 308: 2D Digital Animation I |
| ART 345: Visualization and Prototyping |
| ART 346: 3-D Computer Imaging and Animation (CS) |
| ART 348: Animation Motion Studies |
| ART 394: Digital Photography for Non-Majors |
| ART 424: Stop Motion Animation |
| ART 440: Experimental Video Art |
| ART 494: Visual Prototyping |
| CIS 300: Web Design and Development |
| CPI 111: Game Development I (CS) |
| DCE 294: HybridAction:PhysicalIntelligenceinDigitalCulture |

| Informatics Focus Area (Enterprise Informatics) |
|---|
| Required courses: |
| IEE 376: Operations Research Deterministic Techniques/Applications |
| IEE 385: Engineering Statistics: Probability |
| IEE 470: Stochastic Operations Research |
| MAT 266: Calculus for Engineers II (MA) |
| Select One: |
| IEE 421: Urban Operations Research |
| IEE 426: Operations Research in Healthcare |
| IEE 461: Production Control |
| IEE 474: Quality Control |
| IEE 475: Simulating Stochastic Systems (CS) |
| IEE 477: System Dynamics and Thinking |
| SCM 300: Global Supply Operations |

EDT 440: Creating and Marketing Mobile Apps

FMP 225: Principles of Visual Effects Compositing

FMP 240: Introduction to Animation for Film

FMP 255: Media Authorship (CS)

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GRA 294: InDesign

IAP 103: Foundations I: Interdisciplinary Art Practice

IAP 104: Foundations I: Fundamentals of Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

| Informatics Focus Area (Game Informatics) |
| --- |
| Fall Only Courses: CPI 311, CPI 421 |
| Spring Only Courses: CPI 321, CPI 411 |
| Required: |
| CPI 111: Game Development I (CS) |
| CPI 211: Game Development II |
| CPI 311: Game Engine Development |
| CPI 321: Fundamentals of Game Art |
| Select one: |
| CPI 394: Game Design Fundamentals |
| CPI 411: Graphics for Games |
| CPI 421: 3-D Modeling and Texturing |
| CPI 462: Design for Learning in Virtual Worlds |
| FMS 365: Video Games and Narrative |
| SER 431: Advanced Graphics |

| Informatics Focus Area (Geo-Informatics) |
| --- |
| Required: |
| GIS 205: Geographic Information Science I (CS) |
| GIS 211: Geographic Information Science II (CS) |
| GIS 311: Geographic Information Science III (CS) |
| Select two: |
| ABS 485: GIS in Natural Resources |
| GCU 441: Economic Geography (SB) |
| GCU 442: Geographical Analysis of Transportation (SB) |
| GIS 202: Drones to Satellites: Observing Earth from Above (CS) |
| GIS 222: Programming Principles in GIS I |
| GIS 3** Elective |
| GIS 4** Elective |
| Not from GIS 484, GIS 492, GIS 493, GIS 499, GIS 494 "GIS Methods for Non-Majors" |

| Additional Informatics Electives |
| --- |
| Students may take additional coursework from their selected focus area or any course in another focus area as Informatics Electives in addition to the courses listed below: |
| AME 394: Philosophies of Technology |
| BIO 355: Introduction to Computational Molecular Biology (CS) |
| BIO 411: Quantitative Methods in Conservation and Ecology |
| BMI 102: Introduction to Population Health Informatics |
| BMI 201: Introduction to Clinical Informatics |
| CIS 308: Advanced Excel in Business |
| CIS 310: Business Data Visualization |
| CIS 405: Business Intelligence |
| CIS 407: Business Database Systems Development |
| CPI 394: Special Topics |
| CPI 441: Gaming Capstone |
| CPI 460: Intelligent Interactive Instructional Systems |
| CPI 484: Internship |
| CPI 494: Special Topics |
| CSE 220: Programming for Computer Engineering |

CSE 240: Introduction to Programming Languages

CSE 259: Logic in Computer Science

CSE 294: Algorithmic Problem Solving

CSE 310: Data Structures and Algorithms

CSE 335: Principles of Mobile Application Development

CSE 360: Introduction to Software Engineering

CSE 365: Information Assurance

CSE 394: Special Topics

CSE 408: Multimedia Information Systems

CSE 412: Database Management

CSE 434: Computer Networks

CSE 445: Distributed Software Development

CSE 446: Software Integration and Engineering

CSE 460: Software Analysis and Design

CSE 464: Software Quality Assurance and Testing

CSE 470: Computer Graphics

CSE 471: Introduction to Artificial Intelligence

CSE 476: Introduction to Natural Language Processing

CSE 477: Introduction to Computer-Aided Geometric Design

CSE 494: Special Topics

FSE 301: Entrepreneurship and Value Creation

FSE 404: EPICS Gold: EPICS in Action

GIT 335: Computer Systems Technology

GIT 340: Information Design and Usability

GRA 294: Photoshop

HSE 101: Introduction to Human Systems Engineering (SB)

IEE 380: Probability and Statistics for Engineering Problem Solving (CS)

IEE 385: Engineering Statistics: Probability

MAE 318: System Dynamics and Control I

MAE 417: System Dynamics and Control II

MAT 267: Calculus for Engineers III (MA)

MAT 275: Modern Differential Equations (MA)

MAT 300: Mathematical Structures (L)

MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra

MAT 421: Applied Computational Methods (CS)

SER 216: Software Enterprise: Personal Process and Quality

SER 316: Software Enterprise: Construction and Transition

SER 334: Operating Systems and System Programming

SOC 334: Technology and Society (L or SB)

STS 304: Science, Technology and Society (SB)

TEL 313: Technology in an Educational Setting

TEL 494: Introduction to Computer Science for Educators

TWC 414: Visualizing Data and Information

TWC 444: User Experience

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Information Technology, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSIFTBS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| IFT 101: Information Technology Programming Logic | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | C | |
| IFT 103: Operating System Architecture | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 166: Introduction to Internet Networking | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| IFT 200: Information Modeling, Storage and Retrieval | 3 | C | |
| IFT 210: Introduction to Java Technologies | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 28 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 202: Foundations of Information and Computer System Security | 3 | C | • Prep for success using the Sophomore Guide. |
| IFT 250: Introduction to UNIX Utilities | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| IFT 266: Network Information Communication Technology | 3 | C |
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | C |
| IFT 220: Managing Configurations and Active Directory | 3 | C |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 16 | |

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| IFT 381: Information System Security | 3 | C |
| IFT 301: Web Programming for Human Computer Interface | 3 | C |
| IFT 320: Managing the Cloud | 3 | C |
| MAT 243: Discrete Mathematical Structures | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Term hours subtotal: | 15 | |

- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| IFT 300: Intermediate Database Management Systems | 3 | C |
| IFT 310: Information Systems Project Development | 3 | C |
| HST 318: History of Engineering ((L or SB) & G) | 3 | |
| *Complete 2 courses:* Upper Division Primary Focus Area | 6 | C |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

- A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.
- Research and prepare for graduate school.
- Apply for a Fulton Schools 4+1 program.
- Develop a professional profile online.

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| IFT 401: Information Technology Capstone Project I | 3 | C |
| IFT 372: Wireless Fundamentals | 3 | C |
| IFT 383: Shell and Script Programming with UNIX | 3 | C |
| Primary Focus Area | 3 | C |
| Secondary Focus Area | 3 | |
| Term hours subtotal: | 15 | |

- A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| IFT 402: Information Technology Capstone Project II | 3 | |
| Upper Division Primary Focus Area | 3 | C |
| Upper Division Secondary Focus Area | 3 | |
| Secondary Focus Area | 3 | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | |
| Term hours subtotal: | 15 | |

- A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.

- Students choose one primary focus area (12 credit hours). Students must take primary focus area courses sequentially in order to meet the prerequisites of subsequent upper-division courses.

Hide Course List(s)/Track Group(s)

| Networking Focus Area | Information Systems Focus Area | Security Focus Area |
|---|---|---|
| IFT 366: TCP/IP and Routing | IFT 360: Applications in Artificial Intelligence | IFT 380: Advanced Systems Configuration Management |
| IFT 420: Cloud Architecture for Information Technology | IFT 365: Applied Programming Language for Information Technology | IFT 422: Cloud Security and Operations for Information Technology |
| IFT 460: Managing Intelligent Devices in an Enterprise Environment | IFT 370: Mobile Computing and Applications for Information Technology | IFT 475: Security Analysis |
| IFT 466: Advanced Computer Networks for Information Technology | IFT 380: Advanced Systems Configuration Management | IFT 482: Network Forensics |
| IFT 488: Systems Administration of UNIX | IFT 410: Big Data Tools and Practices | IFT 483: Developing Security Policy |
| IFT 494: Wireless Architecture | IFT 421: Data in the Cloud for Information Technology | IFT 494: Cybersecurity Compliance |
| | IFT 458: Middleware Programming and Database Security | |
| | IFT 460: Managing Intelligent Devices in an Enterprise Environment | |
| | IFT 494: Appl Multi Tier End to End Application Development | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Information Technology, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
TSIFTBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| IFT 101: Information Technology Programming Logic | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) | 3 | C | • View ASU Online first-year student registration information here. |
| IFT 103: Operating System Architecture | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 22 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 166: Introduction to Internet Networking | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| IFT 200: Information Modeling, Storage and Retrieval | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 22 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 210: Introduction to Java Technologies | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 28 - 37 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 250: Introduction to UNIX Utilities | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 9 |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 202: Foundations of Information and Computer System Security | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 266: Network Information Communication Technology | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 53 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 220: Managing Configurations and Active Directory | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 381: Information System Security | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| IFT 301: Web Programming for Human Computer Interface | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 320: Managing the Cloud | 3 | C | |
| MAT 243: Discrete Mathematical Structures | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 300: Intermediate Database Management Systems | 3 | C | • Research and prepare for graduate school .<br>• Apply for a Fulton Schools 4+1 program.<br>• Develop a professional profile online. |
| Upper Division Primary Focus Area | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 81 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 310: Information Systems Project Development | 3 | C | • A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme. |
| HST 318: History of Engineering ((L or SB) & G) | 3 | | |
| Upper Division Primary Focus Area | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by | | Minimum | |
|---|---|---|---|

| | Hours | Grade | Notes |
|---|---|---|---|
| IFT 401: Information Technology Capstone Project I | 3 | C | • A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| IFT 372: Wireless Fundamentals | 3 | C | |
| Secondary Focus Area | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 383: Shell and Script Programming with UNIX | 3 | C | |
| Primary Focus Area | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IFT 402: Information Technology Capstone Project II | 3 | | |
| Secondary Focus Area | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Primary Focus Area | 3 | C | • A secondary focus area is a group of courses comprising of 9 or more credit hours (at least 3 must be at the upper-division level) which form a coherent theme. |
| Upper Division Secondary Focus Area | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

- • Students choose one primary focus area (12 hours). Students must take primary focus area courses sequentially in order to meet the prerequisites of subsequent upper-division courses.

Hide Course List(s)/Track Group(s)

| Networking Focus Area | Information Systems Focus Area | Security Focus Area |
|---|---|---|
| IFT 366: TCP/IP and Routing | IFT 360: Applications in Artificial Intelligence | IFT 380: Advanced Systems Configuration Management |
| IFT 420: Cloud Architecture for Information Technology | IFT 365: Applied Programming Language for Information Technology | IFT 422: Cloud Security and Operations for Information Technology |
| IFT 460: Managing Intelligent Devices in an Enterprise Environment | IFT 370: Mobile Computing and Applications for Information Technology | IFT 475: Security Analysis |
| IFT 466: Advanced Computer Networks for Information Technology | IFT 380: Advanced Systems Configuration Management | IFT 482: Network Forensics |
| IFT 488: Systems Administration of UNIX | IFT 410: Big Data Tools and Practices | IFT 483: Developing Security Policy |
| IFT 494: Wireless Architecture | IFT 421: Data in the Cloud for Information Technology | IFT 494: Cybersecurity Compliance |

| |
|---|
| IFT 458: Middleware Programming and Database Security |
| IFT 460: Managing Intelligent Devices in an Enterprise Environment |
| IFT 494: Appl Multi Tier End to End Application Development |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Manufacturing Engineering, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSMEGRBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| EGR 101: Foundations of Engineering Design Project I | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 102: Foundations of Engineering Design Project II | 3 | | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| EGR 104: Critical Inquiry in Engineering (L) OR TWC 104: Critical Inquiry in Engineering (L) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete MAT 265 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 201: Use-Inspired Design Project I | 3 | C | • Prep for success using the Sophomore Guide. |
| EGR 216: Engineering Electrical Fundamentals | 3 | C | |
| EGR 218: Materials and Manufacturing Processes | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Complete MAT 266 course(s). | | | |

| | |
|---|---|
| Complete Mathematics (MA) requirement. | |
| Term hours subtotal: | 16 |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 202: Use-Inspired Design Project II | 3 | C | • Pursue an undergraduate research experience.<br>• Attend career fairs and events. |
| EGR 280: Engineering Statistics (CS) | 3 | C | |
| EGR 217: Engineering Mechanics Fundamentals | 3 | C | |
| EGR 219: Computational Modeling of Engineering Systems | 3 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s). | | | |
| Complete MAT 267 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MFG 308: Manufacturing System Project I | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| MFG 382: Modeling of Manufacturing Systems I | 3 | C | |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| MFG 381: Manufacturing Processes and Validation Lab | 3 | C | |
| MFG 383: Communications in a Production Environment | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 79 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MFG 318: Manufacturing Systems Project II | 3 | C | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online.<br>• Begin looking for internships. |
| HST 318: History of Engineering ((L or SB) & G) | 3 | | |
| MAT 343: Applied Linear Algebra | 3 | | |
| MFG 385: Design for Manufacturing | 3 | | |
| MFG 387: Industrial Automation | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 401: Professional Design Project I (L) | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| MFG 482: Materials Science in Manufacturing | 3 | | |
| *Complete 2 courses:*<br>Upper Division Technical Elective | 5 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 402: Professional Design Project II | 3 | | |
| MFG 461: Engineering Economics | 3 | | |
| Upper Division Technical Elective | 3 | | |

| | |
|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 |
| Term hours subtotal: | 12 |

Hide Course List(s)/Track Group(s)

| Technical Electives |
|---|
| EGR 370: Welding Survey |
| EGR 380: Advanced Computer Aided Design and Drafting (CADD) and Solid Modeling |
| MFG 472: Additive Manufacturing |
| MFG 480: Advanced Statistical Approaches for Manufacturing |
| MFG 485: Engineering Internship |
| MFG 486: CNC Computer Programming |
| MFG 494: Special Topics |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Materials Science and Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESMSEBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• FSE 100 is required for first-year students and should be completed in the first semester. Non-first year students: see advisor for petitioning replacement electives.<br>• If students take ENG 105, a 3 credit hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-MSE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MSE 250: Structure and Properties of Materials | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete CHM 114 OR CHM 116 course(s). | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C |
| MSE 215: Materials Synthesis | 3 | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Math or Science Elective | 3-4 | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | |
| Complete MSE 250 course(s). | | |
| Complete First-Year Composition requirement. | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16-17 | |

- For additional information about Math or Science Electives, please go to: Math or Science Electives.
- Prep for success using the Sophomore Guide .

| **Term 4 48 - 64 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| MAT 343: Applied Linear Algebra | 3 | C | |
| MSE 211: Introduction to Mechanics of Materials | 3 | C | |
| MSE 212: Microstructure and Properties Lab | 1 | C | |
| IEE 380: Probability and Statistics for Engineering Problem Solving (CS) | 3 | | |
| Advanced Science Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

- For additional information about Advanced Science Electives options, please go to: Advanced Science Electives.
- Pursue an undergraduate research experience .
- Apply for internships.
- Attend career fairs and events.

| **Term 5 64 - 80 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MSE 330: Thermodynamics of Materials | 3 | | |
| MSE 355: Structure and Defects | 3 | C | |
| MSE 356: Thin Film and Microelectronic Devices Lab | 1 | | |
| MSE 415: Mathematical and Computer Methods in Materials (CS) | 3 | | |
| MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16 | | |

- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

| **Term 6 80 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MSE 335: Materials Kinetics | 3 | | |
| MSE 450: Introduction to Materials Characterization | 3 | | |
| MSE 451: Nanomaterials and Electronics Characterization Lab | 1 | | |
| MSE 420: Advanced Metallurgical Alloys and Processes | 3 | | |
| MSE 458: Electronic, Magnetic, and Optical Properties | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 13 | | |

- For additional information about Materials Elective options, please go to: Materials Elective.
- Research and prepare for graduate school.
- Apply for an engineering 4+1 program.
- Develop a professional profile online.

| | | **Minimum** | |
|---|---|---|---|

| Term 7 93 - 106 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ MSE 482: Materials Engineering Design (L) | 3 | | • For additional information about Materials Elective options, please go to: Materials Elective.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions. |
| ★ MSE 489: Capstone Design Project I (L) | 1 | | |
| MSE 440: Mechanical Behavior of Materials | 3 | | |
| *Complete 2 courses:*<br>Upper Division Materials Elective | 6 | | |
| Term hours subtotal: | 13 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MSE 490: Capstone Design Project II (L) | 2 | | • For additional information about Advanced Science Electives and Technical Electives, please go to: Advanced Science Electives and Technical Electives. |
| Advanced Science Elective | 3 | | |
| *Complete 2 courses:*<br>Technical Elective | 6 | | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 14 | | |

- For more information about course options for Math or Science Electives, Materials Electives, Advanced Science Electives, or Technical Electives, please go to: MSE Elective Course Options.

Hide Course List(s)/Track Group(s)

| Advanced Science Elective |
|---|
| ABS 225: Soils (SQ) |
| ABS 350: Applied Statistics (CS) |
| AST 321: Introduction to Planetary and Stellar Astrophysics |
| AST 322: Introduction to Galactic and Extragalactic Astrophysics |
| AST 421: Astrophysics I |
| BCH 341: Physical Chemistry with a Biological Focus |
| BCH 361: Advanced Principles of Biochemistry |
| BIO 201: Human Anatomy and Physiology I (SG) |
| BIO 320: Fundamentals of Ecology |
| CHM 231: Elementary Organic Chemistry (SQ) |
| CHM 233: General Organic Chemistry I |
| CHM 234: General Organic Chemistry II |
| CHM 302: Environmental Chemistry |

| Math or Science Elective |
|---|
| Advanced Science Elective |
| AST 111: Introduction to Solar Systems Astronomy (SQ) |
| AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) |
| BIO 130: Introduction to Environmental Science (SQ) |
| BIO 181: General Biology I (SQ) |
| BIO 182: General Biology II (SG) |
| CHM 113: General Chemistry I (SQ) |
| GLG 101: Introduction to Geology I (Physical) (SQ) |
| MAT 211: Mathematics for Business Analysis |
| MAT 243: Discrete Mathematical Structures |

| Upper Division Materials Elective |
|---|
| Please choose two courses from the following options: |
| BME 318: Biomaterials |
| CHE 468: Polymer Principles and Processing |
| MSE 470: Polymers and Composites |
| MSE 471: Introduction to Ceramics |
| MSE 494: Polymer Synthesis, Characterization, & Processing |

CHM 325: Analytical Chemistry

CHM 341: Elementary Physical Chemistry

CHM 345: Physical Chemistry I

CHM 346: Physical Chemistry II

CHM 433: Advanced Organic Chemistry I

ENV 410: Soil Science

GLG 321: Mineralogy

GLG 404: Fundamentals of Planetary Geology

GLG 418: Geophysics

PHY 201: Mathematical Methods in Physics I (CS)

PHY 241: University Physics III

PHY 334: Advanced Laboratory I (L)

PHY 361: Introductory Modern Physics

PHY 494: Adv. Scanning Electron Microscopy/Microanalysis

Technical Electives

Advanced Science Elective

ART 494: Foundry Research Methods for Non-Majors

CEE 294: AutoCAD Civil 3-D

CEE 353: Civil Engineering Materials

CHE 211: Introduction to Chemical Processing

CHE 494: Fundamentals of Scaleup

CHE 494: Innovation in Engineering

CHE 494: Quantum Mechanical Simulations of Chemical Process

CIS 310: Business Data Visualization

EEE 202: Circuits I

EEE 241: Fundamentals of Electromagnetics

EEE 352: Properties of Electronic Materials

EEE 435: Fundamentals of CMOS and MEMS

EEE 436: Fundamentals of Solid-State Devices

EEE 460: Nuclear Power Engineering

EEE 465: Photovoltaic Energy Conversion

EGR 219: Computational Modeling of Engineering Systems

EGR 494: Engineering in Semiconductors and Microelectronics

FSE 301: Entrepreneurship and Value Creation

FSE 404: EPICS Gold: EPICS in Action

IEE 300: Economic Analysis for Engineers

IEE 369: Work Analysis and Design (L)

IEE 385: Engineering Statistics: Probability

IEE 437: Human Factors Engineering

IEE 474: Quality Control

MAT 300: Mathematical Structures (L)

MEE 322: Structural Mechanics

MEE 342: Principles of Mechanical Design

MFG 472: Additive Manufacturing

MSE 460: Nanomaterials in Energy Production and Storage

MSE 494: Battery Materials Science and Engineering

PUP 442: Environmental Planning

SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

By approval only:

MSE 484: Internship

MSE 492: Honors Directed Study

MSE 493: Honors Thesis (L)

MSE 499: Individualized Instruction

*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor.

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mechanical Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESMAEMBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• FSE 100 is required for first-year students and should be completed the first semester. Non-first year students: see advisor for petitioning replacement electives.<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.<br>• Students who have credit for CHM 113 should take CHM 116.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-MEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAE 215: Introduction to Programming in MATLAB | 1 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| MAE 201: Mechanics of Particles and Rigid Bodies I: Statics | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| MAE 214: Computer-Aided Engineering I | 1 | C | |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C | |
| Complete CHM 114 OR CHM 116 course(s). | | | |
| Complete First-Year Composition requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAE 213: Mechanics of Materials | 3 | C | |
| MAE 241: Introduction to Thermodynamics | 3 | C | |
| EEE 202: Circuits I | 4 | C | |
| MAE 384: Advanced Mathematical Methods for Engineers (CS) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 242: Introduction to Fluid Mechanics | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| MEE 322: Structural Mechanics | 3 | C | |
| MEE 324: Structural Mechanics Laboratory | 1 | C | |
| MSE 250: Structure and Properties of Materials | 3 | C | |
| MAE 301: Applied Experimental Statistics | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 318: System Dynamics and Control I | 4 | C | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| MEE 323: Computer-Aided Engineering II | 2 | C | |
| MEE 340: Heat Transfer | 3 | C | |
| MEE 342: Principles of Mechanical Design | 3 | C | |
| MAE 400: Engineering Profession (L) | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MEE 488: Mechanical Engineering Design I | 3 | C | |

| | | |
|---|---|---|
| MAE 417: System Dynamics and Control II | 3 | C |
| MEE 491: Experimental Mechanical Engineering (L) | 3 | C |
| Upper Division Technical Elective | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Term hours subtotal: | 15 | |

- For additional information about Upper Division Technical Electives, please go to: Upper Division Technical Electives.
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| **Term 8 108 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MEE 489: Mechanical Engineering Design II | 3 | C | |
| *Complete 2 courses:* Upper Division Technical Elective | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12 | | |

- For additional information about Upper Division Technical Electives, please go to: Upper Division Technical Electives.

- For additional information about Upper Division Technical Electives please go to: Upper Division Technical Electives.

Hide Course List(s)/Track Group(s)

| Upper Division Technical Electives |
|---|
| AEE OR MAE OR MEE Upper Division Elective |
| AST 321: Introduction to Planetary and Stellar Astrophysics |
| AST 322: Introduction to Galactic and Extragalactic Astrophysics |
| BME 300: Bioengineering Product Design |
| BME 316: Biomechanics for Biomedical Engineers |
| BME 318: Biomaterials |
| BME 350: Signals and Systems for Bioengineers |
| BME 467: Tissue Engineering and Regenerative Medicine |
| BME 494: Bioenergy and Microbial Biotechnology |
| BME 494: Neural Bases of Motor Control |
| BME 494: Wearable Devices for Sport, Health, and Wellness |
| CEE 361: Introduction to Environmental Engineering |
| CEE 372: Transportation Engineering |

| Upper Division Technical Electives continued |
|---|
| MAT 300: Mathematical Structures (L) |
| MAT 310: Introduction to Geometry |
| MAT 371: Advanced Calculus I |
| MAT 420: Scientific Computing |
| MAT 421: Applied Computational Methods (CS) |
| MAT 423: Numerical Analysis I (CS) |
| MAT 425: Numerical Analysis II (CS) |
| MAT 451: Mathematical Modeling (CS) |
| MAT 461: Applied Complex Analysis |
| MAT 462: Applied Partial Differential Equations |
| MSE 330: Thermodynamics of Materials |
| MSE 355: Structure and Defects |
| MSE 440: Mechanical Behavior of Materials |
| MSE 450: Introduction to Materials Characterization |
| MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids |
| MSE 460: Nanomaterials in Energy Production and Storage |

CEE 440: Hydrology

CEE 441: Water Resources Engineering

CEE 494: Energy Efficient Buildings and Systems

CEE 494: Sustainable Energy and Material Use

CEE 494: Sustainable Energy Technologies

CHE 468: Polymer Principles and Processing

CHE 473: Fuel Cells and Biofuel Cells

CHE 478: Biomass Energy Conversion Technology

CHE 494: Nanobiotechnology

CHE 494: Quantum Mechanical Simulations of Chemical Process

CHE 494: Six Sigma Methodology/Engineering Experimentation

CHM 302: Environmental Chemistry

CHM 325: Analytical Chemistry

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages and Programmable Logic

EEE 334: Circuits II

EEE 350: Random Signal Analysis

EEE 360: Energy Systems and Power Electronics

EEE 407: Digital Signal Processing

EEE 434: Quantum Mechanics for Engineers

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

EEE 498: Foundations Machine Learning: From Theory to Pract

EEE 498: Science and Technology of Solar Cell Fabrication

EGR 433: Transforms and Systems Modeling

EGR 455: Robotic Systems I

EGR 456: Robotic Systems II

EGR 494: Engineering in Semiconductors and Microelectronics

MSE 466: Electrochemical Energy Storage and Conversion

MSE 476: Growth and Processing of Semiconductors

MSE 494: Bioinspired Materials and Biomaterials

MSE 494: Failure Analysis of Metallic Materials

MSE 494: Intro to FEA for Matl Design and Characterization

MSE 494: Manufacturing Processes for Structural Materials

PHY 310: Classical Particles, Fields, and Matter I

PHY 361: Introductory Modern Physics

SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

SES 350: Engineering Systems and Experimental Problem Solving

SES 494: Modeling and Analysis of Space Thermal Systems

By approval only:

MAE 484: Internship

MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)

MAE 499: Individualized Instruction

*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/499 can be applied toward the TE requirements.

Students may only apply ONE (1) course from the list below:

CEE 400: Earth Systems Engineering and Management ((L or HU) & H)

EGR 317: Humanitarian Engineering Project II

FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering in Global Context

FSE 404: EPICS Gold: EPICS in Action

EVE 302: Environmental Engineering Fundamentals: Physical and Chemical Processes

EVE 303: Environmental Engineering Fundamentals: Microbiological Processes

GLG 418: Geophysics

IEE 305: Information Systems Engineering (CS)

IEE 376: Operations Research Deterministic Techniques/Applications

IEE 300: Economic Analysis for Engineers

IEE 431: Engineering Administration (L)

IEE 437: Human Factors Engineering

MAE 394: Aeronautics in England

SES 407: Space Works II: Model, Fabricate, Test

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mechanical Engineering, BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
ESMAEMBSE

| Term 1 - A 0 - 6 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-MEE: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• FSE 100 is required for first-year students and should be completed the first semester. Non-first year students: see advisor for petitioning replacement electives.<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 1 - B 6 - 12 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 12 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • Students who have credit for CHM 113 should take CHM 116. |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C |
| MAE 215: Introduction to Programming in MATLAB | 1 | C |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 7 | |

- Create a Handshake profile.
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.

| Term 3 - A 26 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 201: Mechanics of Particles and Rigid Bodies I: Statics | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 10 | | |

- MAE 201 is a Session C course (15 weeks long).
- Prep for success using the Sophomore Guide.

| Term 3 - B 36 - 40 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| MAE 214: Computer-Aided Engineering I | 1 | C | |
| Complete CHM 114 OR CHM 116 course(s). | | | |
| Complete First-Year Composition requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 4 | | |

| Term 4 - A 40 - 52 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics | 3 | C | |
| MAE 213: Mechanics of Materials | 3 | C | |
| MAE 241: Introduction to Thermodynamics | 3 | C | |
| MAE 384: Advanced Mathematical Methods for Engineers (CS) | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

- All MAE courses in this term are Session C courses (15 weeks long).
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

| Term 4 - B 52 - 56 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 202: Circuits I | 4 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 4 | | |

| Term 5 - A 56 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 242: Introduction to Fluid Mechanics | 3 | C | |
| MEE 322: Structural Mechanics | 3 | C | |
| MEE 324: Structural Mechanics Laboratory | 1 | C | |

- All MAE, MEE, and MSE courses in this term are Session C courses (15 weeks long).
- Plan for success using the Junior Guide.

| | | | |
|---|---|---|---|
| ★ MSE 250: Structure and Properties of Materials | 3 | C | • Network at student organization competitions or professional societies. |
| MAE 301: Applied Experimental Statistics | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 5 - B 69 - 72 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 3 | | |

| Term 6 - A 72 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MAE 318: System Dynamics and Control I | 4 | C | • All MAE and MEE courses in this term are Session C courses (15 weeks long). |
| ★ MEE 323: Computer-Aided Engineering II | 2 | C | |
| ★ MEE 340: Heat Transfer | 3 | C | |
| ★ MEE 342: Principles of Mechanical Design | 3 | C | |
| MAE 400: Engineering Profession (L) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 - B 87 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 0 | | |

| Term 7 - A 87 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MEE 488: Mechanical Engineering Design I | 3 | C | • All MEE and MAE courses in this term are Session C courses (15 weeks long). |
| MAE 417: System Dynamics and Control II | 3 | C | |
| MEE 491: Experimental Mechanical Engineering (L) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Technical Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 102 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MEE 489: Mechanical Engineering Design II | 3 | C | • MEE 489 is a Session C course (15 weeks long). |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Technical Elective | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

- For additional information about Upper Division Technical Electives please go to: Upper Division Technical Electives.

Hide Course List(s)/Track Group(s)

| Upper Division Technical Electives |
| --- |
| AEE OR MAE OR MEE Upper Division Elective |
| AST 321: Introduction to Planetary and Stellar Astrophysics |
| AST 322: Introduction to Galactic and Extragalactic Astrophysics |
| CHM 325: Analytical Chemistry |
| EEE 304: Signals and Systems II |
| EEE 333: Hardware Design Languages and Programmable Logic |
| EEE 334: Circuits II |
| EEE 350: Random Signal Analysis |
| EEE 360: Energy Systems and Power Electronics |
| EEE 407: Digital Signal Processing |
| EEE 434: Quantum Mechanics for Engineers |
| EEE 460: Nuclear Power Engineering |
| EEE 463: Electrical Power Plants |
| EEE 480: Feedback Systems |
| EEE 481: Computer-Controlled Systems |
| EEE 498: Science and Technology of Solar Cell Fabrication |
| EGR 494: Engineering in Semiconductors and Microelectronics |
| IEE 305: Information Systems Engineering (CS) |
| IEE 376: Operations Research Deterministic Techniques/Applications |

| Upper Division Technical Electives continued |
| --- |
| MAT 421: Applied Computational Methods (CS) |
| PHY 310: Classical Particles, Fields, and Matter I |
| PHY 361: Introductory Modern Physics |
| SES 350: Engineering Systems and Experimental Problem Solving |
| SES 407: Space Works II: Model, Fabricate, Test |
| By approval only: |
| MAE 492: Honors Directed Study |
| MAE 493: Honors Thesis (L) |
| MAE 499: Individualized Instruction |
| *Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. |
| Students may only apply ONE (1) course from the list below: |
| FSE 301: Entrepreneurship and Value Creation |
| IEE 300: Economic Analysis for Engineers |
| IEE 431: Engineering Administration (L) |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mechanical Engineering (Computational Mechanics), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESMAECBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• FSE 100 is required for first-year students and should be completed the first semester. Non-first year students: see advisor for petitioning replacement electives.<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-MEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAE 215: Introduction to Programming in MATLAB | 1 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAE 201: Mechanics of Particles and Rigid Bodies I: Statics | 3 | C |
| MAT 267: Calculus for Engineers III (MA) | 3 | C |
| MAT 275: Modern Differential Equations (MA) | 3 | C |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| MAE 214: Computer-Aided Engineering I | 1 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Complete CHM 114 OR CHM 116 course(s). | | |
| Complete First-Year Composition requirement. | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

- Prep for success using the Sophomore Guide.

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAE 213: Mechanics of Materials | 3 | C | |
| MAE 241: Introduction to Thermodynamics | 3 | C | |
| EEE 202: Circuits I | 4 | C | |
| MAE 384: Advanced Mathematical Methods for Engineers (CS) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 242: Introduction to Fluid Mechanics | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| MEE 322: Structural Mechanics | 3 | C | |
| MEE 324: Structural Mechanics Laboratory | 1 | C | |
| MSE 250: Structure and Properties of Materials | 3 | C | |
| CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) | 3 | C | |
| MAE 301: Applied Experimental Statistics | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 318: System Dynamics and Control I | 4 | C | • Research and prepare for graduate school<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| MEE 323: Computer-Aided Engineering II | 2 | C | |
| MEE 340: Heat Transfer | 3 | C | |
| MEE 342: Principles of Mechanical Design | 3 | C | |
| PHI 103: Principles of Sound Reasoning (L or HU) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MEE 488: Mechanical Engineering Design I | 3 | C | • For additional information regarding Upper Division Computational Mechanics Technical |
| MAE 400: Engineering Profession (L) | 3 | C | |

| | | | |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Computational Mechanics Technical Elective | 6 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

Electives, please go to: Upper Division Computational Mechanics Technical Electives.

- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in person or virtual practice interview.

| **Term 8 108 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MEE 489: Mechanical Engineering Design II | 3 | C | |
| AEE 471: Computational Fluid Dynamics OR MAE 404: Finite Elements in Engineering OR MAE 460: Applied Computational Fluid Dynamics | 3 | C | |
| MEE 491: Experimental Mechanical Engineering (L) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 12 | | |

- For additional information about Upper Division Computational Mechanics Technical Electives, please go to: Upper Division Computational Mechanics Technical Electives.

Hide Course List(s)/Track Group(s)

Upper Division Computational Mechanics Technical Electives

- AEE 360: Aerodynamics (L)
- AEE 471: Computational Fluid Dynamics
- IEE 305: Information Systems Engineering (CS)
- IEE 376: Operations Research Deterministic Techniques/Applications
- MAE 404: Finite Elements in Engineering
- MAE 460: Applied Computational Fluid Dynamics
- MAE 501: Linear Algebra in Engineering
- MAE 502: Partial Differential Equations in Engineering
- MAT 420: Scientific Computing
- MAT 421: Applied Computational Methods (CS)
- MAT 423: Numerical Analysis I (CS)
- MAT 425: Numerical Analysis II (CS)
- MAT 451: Mathematical Modeling (CS)
- MAT 461: Applied Complex Analysis

| |
|---|
| MSE 494: Intro to FEA for Matl Design and Characterization |
| By approval only: |
| MAE 484: Internship |
| MAE 492: Honors Directed Study |
| MAE 493: Honors Thesis (L) |
| MAE 499: Individualized Instruction |
| *Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor. A max of 3 credits from MAE 484/499 can be applied toward the TE requirements. |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mechanical Engineering (Energy and Environment), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe
ESMAEEBSE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• FSE 100 is required for first-year students and should be completed the first semester. Non-first year students: see advisor for petitioning replacement electives.<br>• If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See advisor.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| ASU 101-MEE: The ASU Experience | 1 | | |
| CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 242: Elementary Linear Algebra | 2 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAE 215: Introduction to Programming in MATLAB | 1 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAE 201: Mechanics of Particles and Rigid Bodies I: Statics | 3 | C |
| MAT 267: Calculus for Engineers III (MA) | 3 | C |
| MAT 275: Modern Differential Equations (MA) | 3 | C |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| MAE 214: Computer-Aided Engineering I | 1 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Complete CHM 114 OR CHM 116 course(s). | | |
| Complete First-Year Composition requirement. | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

- Prep for success using the Sophomore Guide.

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| MAE 213: Mechanics of Materials | 3 | C | |
| MAE 241: Introduction to Thermodynamics | 3 | C | |
| EEE 202: Circuits I | 4 | C | |
| MAE 384: Advanced Mathematical Methods for Engineers (CS) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MEE 322: Structural Mechanics | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| MEE 324: Structural Mechanics Laboratory | 1 | C | |
| CHM 231: Elementary Organic Chemistry (SQ) OR CHM 233: General Organic Chemistry I | 3 | C | |
| MAE 242: Introduction to Fluid Mechanics | 3 | C | |
| MAE 301: Applied Experimental Statistics | 3 | C | |
| MSE 250: Structure and Properties of Materials | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAE 318: System Dynamics and Control I | 4 | C | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| MEE 340: Heat Transfer | 3 | C | |
| MAE 400: Engineering Profession (L) | 3 | C | |
| MEE 323: Computer-Aided Engineering II | 2 | C | |
| MEE 342: Principles of Mechanical Design | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MEE 445: Energy Systems Design I | 1 | C | |
| MEE 482: Intermediate Thermodynamics | 3 | C | |

| | | |
|---|---|---|
| MAE 417: System Dynamics and Control II OR MEE 491: Experimental Mechanical Engineering (L) | 3 | C |
| PUP 190: Sustainable Cities ((HU or SB) & G) OR GPH 314: Global Change (HU & G) | 3 | |
| Upper Division Energy and Environment Technical Elective | 3 | C |
| Term hours subtotal: | 13 | |

- For additional information about Upper Division Energy and Environment Technical Electives, please see: Upper Division Energy and Environment Technical Electives.
- Plan for success using the Senior Guide.
- Apply for full-time positions.
- Complete an in person or virtual practice interview.

| **Term 8 106 - 120 Credit Hours Necessary course signified by** ★ | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MEE 446: Energy Systems Design II | 2 | C | • For additional information about Upper Division Technical Electives, please go to: Upper Division Technical Electives. |
| MAE 417: System Dynamics and Control II OR MEE 491: Experimental Mechanical Engineering (L) | 3 | C | |
| SOS 171: The Thread of Energy (SB & G) OR GCU 364: Energy in the Global Arena (SB & G) | 3 | | |
| Upper Division Technical Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 14 | | |

- For additional information about Upper Division Energy and Environment Technical Electives, & Upper Division Technical Electives, please go to: Upper Division Energy and Environment Technical Electives & Upper Division Technical Electives

Hide Course List(s)/Track Group(s)

| Upper Division Energy and Environment Technical Electives |
|---|
| ATE 521: Building Environmental Science |
| ATE 556: Architectural Technology V |
| ATE 560: Building Energy Analysis |
| ATE 582: Environmental Control Systems |
| BIO 320: Fundamentals of Ecology |
| CEE 361: Introduction to Environmental Engineering |
| CEE 440: Hydrology |
| CEE 494: Energy Efficient Buildings and Systems |
| CEE 494: Sustainable Energy and Material Use |
| CEE 494: Sustainable Energy Technologies |
| CHE 473: Fuel Cells and Biofuel Cells |
| CHE 478: Biomass Energy Conversion Technology |

| Upper Division Technical Electives |
|---|
| AEE OR MAE OR MEE Upper Division Elective |
| AST 321: Introduction to Planetary and Stellar Astrophysics |
| AST 322: Introduction to Galactic and Extragalactic Astrophysics |
| ATE 521: Building Environmental Science |
| ATE 556: Architectural Technology V |
| ATE 560: Building Energy Analysis |
| ATE 582: Environmental Control Systems |
| BIO 320: Fundamentals of Ecology |
| BME 300: Bioengineering Product Design |
| BME 316: Biomechanics for Biomedical Engineers |
| BME 318: Biomaterials |
| BME 350: Signals and Systems for Bioengineers |

| Upper Division Technical Electives continued |
|---|
| MAT 300: Mathematical Structures (L) |
| MAT 310: Introduction to Geometry |
| MAT 371: Advanced Calculus I |
| MAT 420: Scientific Computing |
| MAT 421: Applied Computational Methods (CS) |
| MAT 423: Numerical Analysis I (CS) |
| MAT 425: Numerical Analysis II (CS) |
| MAT 451: Mathematical Modeling (CS) |
| MAT 461: Applied Complex Analysis |
| MAT 462: Applied Partial Differential Equations |
| MSE 330: Thermodynamics of Materials |
| MSE 355: Structure and Defects |
| MSE 440: Mechanical Behavior of Materials |
| MSE 450: Introduction to Materials Characterization |

CHM 302: Environmental Chemistry

EEE 360: Energy Systems and Power Electronics

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

EVE 302: Environmental Engineering Fundamentals: Physical and Chemical Processes

MAE 494: Air Conditioning & Refrigeration

MAE 494: Energy Efficiency

MAE 494: Solar Thermal Engineering

MEE 434: Internal Combustion Engines

MEE 440: Renewable Energy: Mechanical Systems

MEE 441: Wind Energy

MSE 460: Nanomaterials in Energy Production and Storage

MSE 466: Electrochemical Energy Storage and Conversion

By approval only:

MAE 484: Internship

MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)

MAE 499: Individualized Instruction

*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor. A max of 3 credits from MAE 484/499 can be applied toward the TE requirements.

BME 467: Tissue Engineering and Regenerative Medicine

BME 494: Bioenergy and Microbial Biotechnology

BME 494: Neural Bases of Motor Control

BME 494: Wearable Devices for Sport, Health, and Wellness

CEE 361: Introduction to Environmental Engineering

CEE 372: Transportation Engineering

CEE 400: Earth Systems Engineering and Management ((L or HU) & H)

CEE 440: Hydrology

CEE 441: Water Resources Engineering

CEE 494: Energy Efficient Buildings and Systems

CEE 494: Sustainable Energy and Material Use

CEE 494: Sustainable Energy Technologies

CHE 468: Polymer Principles and Processing

CHE 473: Fuel Cells and Biofuel Cells

CHE 478: Biomass Energy Conversion Technology

CHE 494: Nanobiotechnology

CHE 494: Quantum Mechanical Simulations of Chemical Process

CHE 494: Six Sigma Methodology/Engineering Experimentation

CHM 302: Environmental Chemistry

CHM 325: Analytical Chemistry

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages and Programmable Logic

EEE 334: Circuits II

EEE 350: Random Signal Analysis

EEE 360: Energy Systems and Power Electronics

EEE 407: Digital Signal Processing

EEE 434: Quantum Mechanics for Engineers

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids

MSE 460: Nanomaterials in Energy Production and Storage

MSE 466: Electrochemical Energy Storage and Conversion

MSE 476: Growth and Processing of Semiconductors

MSE 494: Bioinspired Materials and Biomaterials

MSE 494: Failure Analysis of Metallic Materials

MSE 494: Intro to FEA for Matl Design and Characterization

MSE 494: Manufacturing Processes for Structural Materials

PHY 310: Classical Particles, Fields, and Matter I

PHY 361: Introductory Modern Physics

SES 307: Space Works I: Design, Build, Test

SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

SES 350: Engineering Systems and Experimental Problem Solving

SES 407: Space Works II: Model, Fabricate, Test

SES 494: Modeling and Analysis of Space Thermal Systems

By approval only:

MAE 484: Internship

MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)

MAE 499: Individualized Instruction

*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a program petition prior to enrollment. Please check with your advisor. A max of 3 credits from MAE 484/499 can be applied toward the TE requirements.

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

EEE 498: Foundations Machine Learning: From Theory to Pract

EEE 498: Science and Technology of Solar Cell Fabrication

EGR 317: Humanitarian Engineering Project II

EGR 433: Transforms and Systems Modeling

EGR 455: Robotic Systems I

EGR 456: Robotic Systems II

EGR 494: Engineering in Semiconductors and Microelectronics

EVE 302: Environmental Engineering Fundamentals: Physical and Chemical Processes

EVE 303: Environmental Engineering Fundamentals: Microbiological Processes

FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering in Global Context

FSE 404: EPICS Gold: EPICS in Action

GLG 418: Geophysics

IEE 300: Economic Analysis for Engineers

IEE 305: Information Systems Engineering (CS)

IEE 376: Operations Research Deterministic Techniques/Applications

IEE 431: Engineering Administration (L)

IEE 437: Human Factors Engineering

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Software Engineering, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSSERBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• If ENG 105 is taken, a three credit hour elective course must also be taken prior to graduation<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ASU 101-CAI: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| EGR 104: Critical Inquiry in Engineering (L) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 243: Discrete Mathematical Structures | 3 | C | • Prep for success using the Sophomore Guide. |
| SER 232: Computer Systems Fundamentals (CS) | 3 | C | |
| CSE 240: Introduction to Programming Languages | 3 | C | |
| MAT 267: Calculus for Engineers III (MA) OR MAT 275: Modern Differential Equations (MA) | 3 | C | |

| | | |
|---|---|---|
| Lab Science Sequence AND Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| **Term 4 46 - 62 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SER 222: Design and Analysis of Data Structures and Algorithms | 3 | C | • Pursue an undergraduate research experience<br>• Apply for internships<br>• Attend career fairs and events |
| CSE 230: Computer Organization and Assembly Language Programming | 3 | C | |
| EGR 280: Engineering Statistics (CS) | 3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| SER 216: Software Enterprise: Personal Process and Quality | 3 | C | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 62 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SER 334: Operating Systems and System Programming | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| MAT 343: Applied Linear Algebra | 3 | C | |
| SER 315: Software Enterprise: Design and Process | 3 | C | |
| SER 322: Principles of Database Management | 3 | C | |
| Lab Science Sequence AND Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 16 | | |

| **Term 6 78 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SER 316: Software Enterprise: Construction and Transition | 3 | C | • Research and prepare for graduate school.<br>• Apply for an engineering 4+1 program.<br>• Develop a professional profile online. |
| SER 321: Principles of Distributed Software Systems | 3 | C | |
| SER 335: Engineering Secure Software Systems | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 93 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SER 401: Computing Capstone Project I | 3 | C | • Plan for success using the Senior Guide .<br>• Use Handshake to apply for full-time positions. |
| SER 415: Software Enterprise: Inception and Elaboration (L) | 3 | C | |
| Technical Elective | 3 | C | |
| SER 4** Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) ( HST 318 recommended) | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 108 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | SER 402: Computing Capstone Project II | 3 | C |
| | SER 416: Software Enterprise: Project and Process Management | 3 | C |
| | *Complete 2 courses:*<br>SER 4** Elective | 6 | C |
| | | Term hours subtotal: 12 | |

Hide Course List(s)/Track Group(s)

| Lab Science Sequence |
|---|
| BIO 181: General Biology I (SQ) AND BIO 182: General Biology II (SG) |
| BIO 201: Human Anatomy and Physiology I (SG) AND BIO 202: Human Anatomy and Physiology II (SG) |
| CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ) |
| GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I: Laboratory (SQ) |
| GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG) |
| GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ) |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) |

| Technical Elective |
|---|
| CPI Upper Division Elective |
| CSE Upper Division Elective |
| EEE Upper Division Elective |
| FSE 301: Entrepreneurship and Value Creation |
| FSE 404: EPICS Gold: EPICS in Action |
| IEE Upper Division Elective |
| IFT Upper Division Elective |
| MAE Upper Division Elective |
| SER Upper Division Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Software Engineering, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
TSSERBS

| Term 1 - A 0 - 6 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-CAI: The ASU Experience | 1 | | • If ENG 105 is taken, a three credit hour elective course must also be taken prior to graduation. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 100: Introduction to Engineering | 2 | C | |
| Term hours subtotal: | 6 | | |

| Term 1 - B 6 - 12 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • View ASU Online first-year student registration information here.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions.<br>• ASU 101 is only required of new first-year students transferring in fewer than 24 hours to ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 12 - 18 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 18 - 24 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SER 232: Computer Systems Fundamentals (CS) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 24 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 243: Discrete Mathematical Structures | 3 | C | |

| | | |
|---|---|---|
| CSE 230: Computer Organization and Assembly Language Programming | 3 | C |
| Term hours subtotal: | 6 | |

| Term 3 - B 30 - 36 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 240: Introduction to Programming Languages | 3 | C | • Prep for success using the Sophomore Guide. |
| MAT 267: Calculus for Engineers III (MA) OR MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 36 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SER 222: Design and Analysis of Data Structures and Algorithms | 3 | C | |
| EGR 104: Critical Inquiry in Engineering (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 42 - 48 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EGR 280: Engineering Statistics (CS) | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| SER 216: Software Enterprise: Personal Process and Quality | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 48 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 343: Applied Linear Algebra | 3 | C | |
| SER 315: Software Enterprise: Design and Process | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 54 - 61 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SER 334: Operating Systems and System Programming | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 61 - 67 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SER 321: Principles of Distributed Software Systems | 3 | C | • During the junior year of the program, students should contact an academic advisor to identify course options. |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 67 - 73 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SER 316: Software Enterprise: Construction and Transition | 3 | C | • Research and prepare for graduate school.<br>• Develop a professional profile online. |
| SER 335: Engineering Secure Software Systems | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 7 - A 73 - 79 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ SER 415: Software Enterprise: Inception and Elaboration (L) | 3 | C | |
| SER 322: Principles of Database Management | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 79 - 86 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Lab Science Sequence AND Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | • During the junior year of the program, students should contact an academic advisor to identify course options/selection.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| SER 4** Elective | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 8 - A 86 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SER 416: Software Enterprise: Project and Process Management | 3 | C | |
| Lab Science Sequence AND Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>SER 4** Elective | 6 | C | • During the junior year of the program, students should contact an academic advisor to identify course options/selection. |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SER 401: Computing Capstone Project I | 3 | C | • SER 401 is a Session C course (15 weeks long). |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Technical Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) ( HST 318 recommended) | 3 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SER 402: Computing Capstone Project II | 3 | C | • SER 402 is a Session C course (15 weeks long). |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| Lab Science Sequence |
| --- |
| BIO 181: General Biology I (SQ) AND BIO 182: General Biology II (SG) |
| BIO 201: Human Anatomy and Physiology I (SG) AND BIO 202: Human Anatomy and Physiology II (SG) |
| CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ) |
| GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I: Laboratory (SQ) |
| GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG) |
| GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ) |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) |

| Technical Elective |
| --- |
| CPI Upper Division Elective |
| CSE Upper Division Elective |
| EEE Upper Division Elective |
| FSE 301: Entrepreneurship and Value Creation |
| IEE Upper Division Elective |
| IFT Upper Division Elective |
| MAE Upper Division Elective |
| SER Upper Division Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technological Entrepreneurship and Management, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic
TSTEMBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| TMC 110: Understanding the Enterprise | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FSE 181: Technological, Social, and Sustainable Systems (HU) | 3 | C | |
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| TEM 100: Seminar in Entrepreneurship | 1 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEM 200: My Technology Venture | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| CIS 105: Computer Applications and Information Technology (CS) OR CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) OR CSE 180: Computer Literacy (CS) OR GIT 215: Introduction to Web Authoring | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEM 230: Creativity and Business Innovation | 3 | C | • Prep for success using the Sophomore Guide. |
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | | |
| STEM Elective | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |

| | | | |
|---|---|---|---|
| Complete Mathematics (MA) requirement. | | | |
| Complete TEM 100 course(s). | | | |
| | Term hours subtotal: | 16 | |

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEM 250: Design Methodology | 3 | C | • Pursue an undergraduate research experience.<br>• Apply for internships.<br>• Attend career fairs and events. |
| Major Elective | 3 | | |
| *Complete 2 courses:*<br>STEM Elective | 6 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TMC 330: Leading the Enterprise | 3 | C | • Plan for success using the Junior Guide.<br>• Network at student organization competitions or professional societies. |
| TEM 300: Career Management for Entrepreneurs and Innovators | 1 | C | |
| Upper Division STEM Elective | 3 | | |
| Major Elective | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective OR TEM 484: Internship | 4 | | |
| Term hours subtotal: | 17 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TMC 310: Promotion of the Enterprise | 3 | C | • Research and prepare for graduate school.<br>• Develop a professional profile online. |
| FSE 301: Entrepreneurship and Value Creation | 3 | C | |
| TMC 320: Funding the Enterprise | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEM 400: Technology Entrepreneurship | 3 | C | • If you are participating or planning on participating in the Thunderbird 4+1 degree, OMT 440 is required.<br>• Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| TEM 455: Global Impact Entrepreneurship OR OMT 440: International Business (G) | 3 | C | |
| TMC 430: Enterprise Strategy and Innovation | 3 | | |
| Upper Division STEM Elective | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OMT 430: Ethical Issues in Technology OR OMT 402: Legal Issues for Technologists | 3 | C | |
| TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop OR TEM 481: Consulting Project | 3 | C | |

| | | |
|---|---|---|
| TEM 431: Innovation Management | 3 | C |
| Upper Division Major Electives | 3 | |
| Term hours subtotal: | 12 | |

- Select 15 credit hours of STEM electives from the provided list of subjects, including six upper-division credits.

Hide Course List(s)/Track Group(s)

| Major Electives | STEM Elective |
|---|---|
| CEE OR FSE OR OMT OR TEM OR TMC Elective ( TEM 484 recommended) | AME OR AMT OR AST OR BIO OR BMI OR CAP OR CDH OR CEE OR CHM OR CIS OR CSE OR EEE OR EGR OR ENT OR FIS OR GIT OR GLG OR HSE OR HUL OR IEE OR IGD OR IVD OR MAT OR MFG OR MGT OR OGL OR OMT OR PHY OR PMG OR PSY OR PUP OR SER OR SES OR TGM Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technological Entrepreneurship and Management, BS

School/College: Ira A. Fulton Schools of Engineering
Location: Online, ASU Local
TSTEMBS

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-TPS: The ASU Experience | 1 | | • ASU 101 is required of all first-year students.<br>• Prep for success using the First-Year Student Guide.<br>• Join a Fulton community.<br>• Explore engineering and technical professions. |
| TMC 110: Understanding the Enterprise | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| TEM 100: Seminar in Entrepreneurship | 1 | C | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • View ASU Online first-year student registration information here. |
| FSE 181: Technological, Social, and Sustainable Systems (HU) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 14 - 21 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • Create a Handshake profile.<br>• Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 21 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEM 200: My Technology Venture | 3 | C | |
| CIS 105: Computer Applications and Information Technology (CS) OR CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) OR CSE 180: Computer Literacy (CS) OR GIT 215: Introduction to Web Authoring | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 30 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| TEM 230: Creativity and Business Innovation | 3 | C |
| HSE 230: Statistics for Human Systems Research I (CS) | 3 | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | |
| Term hours subtotal: | 9 | |

- Prep for success using the Sophomore Guide.

| Term 3 - B 39 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STEM Elective | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete TEM 100 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 46 - 55 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEM 250: Design Methodology | 3 | C | |
| Major Electives | 3 | | |
| STEM Elective | 3 | | |
| Term hours subtotal: | 9 | | |

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.

| Term 4 - B 55 - 61 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STEM Elective | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 61 - 70 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division STEM Elective | 3 | | |
| Major Electives | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 9 | | |

- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.

| Term 5 - B 70 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEM 300: Career Management for Entrepreneurs and Innovators | 1 | C | |
| TMC 330: Leading the Enterprise | 3 | C | |
| Elective | 4 | | |
| Term hours subtotal: | 8 | | |

| Term 6 - A 78 - 87 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TMC 310: Promotion of the Enterprise | 3 | C | |
| FSE 301: Entrepreneurship and Value Creation | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

- Research and prepare for graduate school.
- Develop a professional profile online.

| Term 6 - B 87 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TMC 320: Funding the Enterprise | 3 | C | |

| | | |
|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 93 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEM 400: Technology Entrepreneurship | 3 | C | • Plan for success using the Senior Guide.<br>• Use Handshake to apply for full-time positions.<br>• Complete an in person or virtual practice interview. |
| TMC 430: Enterprise Strategy and Innovation | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 102 - 108 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEM 455: Global Impact Entrepreneurship OR OMT 440: International Business (G) | 3 | C | • If you are participating or planning on participating in the Thunderbird 4+1 degree, OMT 440 is required. |
| Upper Division STEM Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEM 431: Innovation Management | 3 | C | |
| ★ TMC 498: Pro-Seminar (L) OR TEM 481: Consulting Project OR TEM 482: Startup Workshop | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OMT 430: Ethical Issues in Technology OR OMT 402: Legal Issues for Technologists | 3 | C | |
| Upper Division Major Electives | 3 | | |
| Term hours subtotal: | 6 | | |

- Select 12 credit hours of STEM electives from the provided list of subjects, including six upper-division credits. A list of recommended courses are provided on The Polytechnic School Advising Services website; reach out to your advisor for a full list of recommended courses.

Hide Course List(s)/Track Group(s)

| Major Elective | STEM Elective 2 |
|---|---|
| CEE OR FSE OR OMT OR TEM OR TMC Elective | AME OR AMT OR AST OR BIO OR BMI OR CAP OR CDH OR CEE OR CHM OR CIS OR CSE OR EEE OR EGR OR ENT OR FIS OR GIT OR GLG OR HSE OR HUL OR IEE OR IGD OR IVD OR MAT OR MFG OR MGT OR OGL OR OMT OR PHY OR PMG OR PSY OR PUP OR SER OR SES OR TGM Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Innovation in Society, BA

School/College: College of Global Futures
Location: Tempe
FIFISBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 101: SFIS: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Join a student club or professional organization. |
| FIS 111: Welcome to the Future | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) OR Mathematics (MA) | 3 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of secondary education at a school in which the language of instruction is not English;<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume. |
| Second Language: Requirement satisfied through the following:<br>* Completion of secondary education at a school in which the language of instruction is not English;<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| FIS 201: Innovation in Society (H) | 3 | C | • Secure a part-time job or volunteer experience |
| Second Language: Requirement satisfied through the following:<br>* Completion of secondary education at a school in which the language of instruction is not English;<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 305: Ways of Knowing (L) | 3 | C | • Use Handshake to research employment opportunities.<br>• Explore an internship |
| Second Language: Requirement satisfied through the following:<br>* Completion of secondary education at a school in which the language of instruction is not English;<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 4 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 307: Navigating Futures (SB) | 3 | C | • Reflect on the skills you have and the skills you think you need. |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 308: Politics, Markets and Innovation (SB) | 3 | C | • Develop your professional online presence |
| FIS Upper Division Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR FIS 484: Internship | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | FIS Upper Division Elective | 3 | C |
| | Upper Division Related Area Elective | 3 | C |
| | Social-Behavioral Sciences (SB) | 3 | |
| | *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| | Term hours subtotal: | 15 | |

- Gather professional references
- Complete an in person or virtual practice interview

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS 480: Innovation in Society Studio OR FIS 493: Honors Thesis (L) | 3 | C | • FIS 480 may be substituted with a capstone-like course or independent study course with faculty mentor of at least three credits. The substituted course must include demonstration of professional conduct and leadership; development and evaluation of applications and strategies; and written/oral communication of complex ideas to diverse audiences. Substitution must be approved. See advisor for more information. |
| Upper Division Related Area Elective | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Related Area Electives |
|---|
| AFR 375: Race, Gender and Sport (SB & C) |
| ASB 300: Food and Culture ((L or SB) & C) |
| ASB 346: Marriage and Family Diversity (SB & C) |
| ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) |
| ASB 452: Community Partnerships for Global Health (SB) |
| ASM 414: Urban, Environmental and Health Challenges (SB) |
| BIO 311: Biology and Society |
| BIO 312: Bioethics (HU) |
| BIO 320: Fundamentals of Ecology |
| BIO 324: Environmental Ethics (HU) |
| CDE 350: Inequality and Diversity in Education (L & C) |
| CEE 300: Engineering Business Practice (L) |
| COM 312: Communication, Conflict, and Negotiation |
| COM 314: Inner-City Families: The Cycle of Poverty |

| Upper Division Related Area Electives (Continued) |
|---|
| JMC 313: Introduction to Editing |
| JMC 351: Photojournalism I |
| JMC 366: Journalism Ethics and Diversity |
| JUS 303: Justice Theory (L) |
| JUS 320: Community and Social Justice (SB & C) |
| JUS 325: Globalization and Socio-Economic Justice (SB & G) |
| JUS 352: The Global Politics of Human Rights (SB & G) |
| JUS 445: Surveillance and Society |
| JUS 456: Human Rights and Sustainability ((L or SB) & G) |
| MGT 300: Principles of Management and Leadership |
| MCO 425: Digital Media Literacy I |
| OGL 350: Diversity and Organizations (L & C) |
| PAF 300: Public Management and Administration |
| PAF 311: Leadership and Change (SB) |

COM 421: Rhetoric of Social Issues (HU)

COM 426: Political Communication (SB)

CPI 350: Evaluation of Informatics Systems

CPI 360: Decision Making and Problem Solving

ECN 312: Intermediate Microeconomic Theory (SB)

ECN 355: Economics of Healthcare

ECN 445: Environmental Economics

ENT 305: Principles of Entrepreneurship

FAS 332: Human Sexuality (SB)

FIS 431: Technology, Security and Insecurity in Global Politics

FSE 301: Entrepreneurship and Value Creation

GCU 421: Geography of Arizona and Southwestern United States (SB & C)

GPH 314: Global Change (HU & G)

HCI 311: Health Innovation: Foundational Concepts

HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing

HCI 412: Transforming Health Care: A Systems Perspective for Innovation

HCI 421: Health Care Policy: The Innovator's View

HCI 425: Facilitating Innovation to Achieve Outcomes

HCI 428: Technology: A Tool to Advance Innovation in Health Care

HPS 322: History of Science I (HU & H)

HPS 314: Philosophy of Science (HU)

HPS 340: Biology and Society

HST 318: History of Engineering ((L or SB) & G)

HST 345: Environmental History (L)

IAS 410: Evolution of Ideas (L or HU)

IDS 301: Becoming Interdisciplinary

PHI 306: Applied Ethics (HU)

PHI 329: History of Modern Philosophy (HU & H)

PHI 330: Theory of Knowledge (HU)

POS 443: Topics in Contemporary Political Theory (HU)

PSY 306: Environmental Psychology (SB)

PSY 350: Social Psychology (SB)

PUP 452: Ethics and Theory in Planning (L)

PUP 465: Sustainable Urbanism

REL 374: Witchcraft and Heresy in Europe ((L or HU) & H)

SOC 315: Sociology of Dating, Relationships and Marriage (SB)

SOC 352: Social Change (SB & G & H)

SOC 420: Sociology of Religion (L or SB)

SOS 315: Energy Policy

SOS 320: Society and Sustainability (L or SB)

SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and Sustainability

SOS 327: Sustainable Food and Farms

SOS 328: Sustainability and Enterprise

SWU 349: Stress Management Tools II (SB)

SWU 350: Whole Person Health Across the Lifespan (SB)

TCL 447: Gender, Culture, and Development ((L or SB) & G)

TWC 454: Information Technology and Culture (C)

WST 440: Politics of Women's Health (SB & C)

**Notes:**

-

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Innovation in Society, BA

School/College: College of Global Futures
Location: Online, ASU Local
FIFISBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-ONL: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| FIS 111: Welcome to the Future | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club or professional organization. |
| MAT 142: College Mathematics (MA) OR Mathematics (MA) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 23 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of secondary education at a school in which the language of instruction is not English;<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 4 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Create a first draft resume. |
| Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 23 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of secondary education at a school in which the language of instruction is not English;<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 4 | C | |

| | | |
|---|---|---|
| Elective | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 7 | |

| Term 3 - A 30 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 201: Innovation in Society (H) | 3 | C | • Secure a part-time job or volunteer experience. |
| Second Language: Requirement satisfied through the following:<br>* Completion of secondary education at a school in which the language of instruction is not English;<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 37 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of secondary education at a school in which the language of instruction is not English;<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 8 | | |

| Term 4 - A 45 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 305: Ways of Knowing (L) | 3 | C | • Use Handshake to research employment opportunities.<br>• Explore an internship. |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 54 - 61 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 61 - 67 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 307: Navigating Futures (SB) | 3 | C | • Reflect on the skills you have and the skills you think you need. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 67 - 76 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Elective | 6 | |
| Term hours subtotal: | 9 | |

| Term 6 - A 76 - 84 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS Upper Division Elective | 3 | C | • Develop your professional online presence |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 8 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS 308: Politics, Markets and Innovation (SB) | 3 | C | |
| Upper Division Elective OR FIS 484: Internship | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS Upper Division Elective | 3 | C | • Gather professional references<br>• Complete an in person or virtual practice interview |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS 480: Innovation in Society Studio | 3 | C | • FIS 480 may be substituted with a capstone-like course or independent study course with faculty mentor of at least three credits. The substituted course must include demonstration of professional conduct and leadership; development and evaluation of applications and strategies; and written/oral communication of complex ideas to diverse audiences. Substitution must be approved. See advisor for more information. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Related Area Electives |
| --- |
| AFR 375: Race, Gender and Sport (SB & C) |
| ASB 300: Food and Culture ((L or SB) & C) |
| ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) |
| ASB 452: Community Partnerships for Global Health (SB) |
| ASM 414: Urban, Environmental and Health Challenges (SB) |
| BIO 311: Biology and Society |
| BIO 312: Bioethics (HU) |
| BIO 320: Fundamentals of Ecology |
| BIO 324: Environmental Ethics (HU) |
| CDE 350: Inequality and Diversity in Education (L & C) |
| COM 312: Communication, Conflict, and Negotiation |
| ECN 312: Intermediate Microeconomic Theory (SB) |
| ECN 355: Economics of Healthcare |
| ENT 305: Principles of Entrepreneurship |
| ENT 360: Entrepreneurship and Value Creation |
| FAS 332: Human Sexuality (SB) |
| FSE 301: Entrepreneurship and Value Creation |
| GCU 421: Geography of Arizona and Southwestern United States (SB & C) |
| GPH 314: Global Change (HU & G) |
| HCI 311: Health Innovation: Foundational Concepts |
| HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing |
| HCI 412: Transforming Health Care: A Systems Perspective for Innovation |
| HCI 421: Health Care Policy: The Innovator's View |

| Upper Division Related Area Electives (Continued) |
| --- |
| IDS 301: Becoming Interdisciplinary |
| JUS 303: Justice Theory (L) |
| JUS 352: The Global Politics of Human Rights (SB & G) |
| MCO 425: Digital Media Literacy I |
| OGL 350: Diversity and Organizations (L & C) |
| PAF 300: Public Management and Administration |
| PAF 311: Leadership and Change (SB) |
| PHI 306: Applied Ethics (HU) |
| PHI 329: History of Modern Philosophy (HU & H) |
| PHI 330: Theory of Knowledge (HU) |
| PSY 306: Environmental Psychology (SB) |
| PSY 350: Social Psychology (SB) |
| PUP 452: Ethics and Theory in Planning (L) |
| PUP 465: Sustainable Urbanism |
| REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) |
| SOC 315: Sociology of Dating, Relationships and Marriage (SB) |
| SOC 352: Social Change (SB & G & H) |
| SOC 420: Sociology of Religion (L or SB) |
| SOS 315: Energy Policy |
| SOS 320: Society and Sustainability (L or SB) |
| SOS 321: Policy and Governance in Sustainable Systems |
| SOS 322: International Development and Sustainability |
| SOS 327: Sustainable Food and Farms |
| SOS 328: Sustainability and Enterprise |
| SWU 349: Stress Management Tools II (SB) |
| SWU 350: Whole Person Health Across the Lifespan (SB) |

HCI 425: Facilitating Innovation to Achieve Outcomes

HCI 428: Technology: A Tool to Advance Innovation in Health Care

HPS 314: Philosophy of Science (HU)

HPS 322: History of Science I (HU & H)

HPS 340: Biology and Society

HST 318: History of Engineering ((L or SB) & G)

HST 345: Environmental History (L)

TWC 454: Information Technology and Culture (C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Innovation in Society, BS

School/College: College of Global Futures
Location: Tempe
FIFISBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 101: SFIS: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Join a student club or professional organization |
| FIS 111: Welcome to the Future | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 201: Innovation in Society (H) | 3 | C | • Secure a part-time job or volunteer experience |
| *Complete 2 courses:* Technical Elective | 6 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| FIS 305: Ways of Knowing (L) | 3 | C | • Use Handshake to research employment opportunities<br>• Explore an internship |
| STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR SBS 304: Social Statistics I (CS) OR SOC 390: Social Statistics I (CS) | 3 | C | |
| Technical Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| **Term 5** 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS 307: Navigating Futures (SB) | 3 | C | • Reflect on the skills you have and the skills you think you need |
| FIS Upper Division Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6** 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS 308: Politics, Markets and Innovation (SB) | 3 | C | • Develop your professional online presence |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR FIS 484: Internship | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7** 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS Upper Division Elective | 3 | C | • Gather professional references<br>• Complete an in person or virtual practice interview |
| Upper Division Related Area Elective | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| **Term 8** 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS 480: Innovation in Society Studio OR FIS 493: Honors Thesis (L) | 3 | C | • FIS 480 may be substituted with a capstone-like course or independent study course with faculty mentor of at least 3 credits. The substituted course must include demonstration of professional conduct and leadership; development and evaluation of applications and strategies; and written/oral communication of complex ideas to diverse audiences. Substitution must be approved. See advisor for more information. |
| Upper Division Related Area Elective | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Technical Elective |
| --- |
| AEE OR AET OR AML OR ASM OR AST OR BIO OR BCH OR BME OR CEE OR CHE OR CNE OR EEE OR EET OR EGR OR FSE OR GLG OR GPH OR IEE OR LSE OR MAE OR MAT OR MBB OR MEE OR MET OR MFG OR MIC OR MSE OR PHS OR PHY OR PLB OR STP Elective |

| Upper Division Related Area Electives |
| --- |
| AFR 375: Race, Gender and Sport (SB & C) |
| ASB 300: Food and Culture ((L or SB) & C) |
| ASB 346: Marriage and Family Diversity (SB & C) |
| ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) |
| ASB 452: Community Partnerships for Global Health (SB) |
| ASM 414: Urban, Environmental and Health Challenges (SB) |
| BIO 311: Biology and Society |
| BIO 312: Bioethics (HU) |
| BIO 320: Fundamentals of Ecology |
| BIO 324: Environmental Ethics (HU) |
| CDE 350: Inequality and Diversity in Education (L & C) |
| CEE 300: Engineering Business Practice (L) |
| COM 312: Communication, Conflict, and Negotiation |
| COM 314: Inner-City Families: The Cycle of Poverty |
| COM 421: Rhetoric of Social Issues (HU) |
| COM 426: Political Communication (SB) |
| CPI 350: Evaluation of Informatics Systems |
| CPI 360: Decision Making and Problem Solving |
| ECN 312: Intermediate Microeconomic Theory (SB) |
| ECN 355: Economics of Healthcare |
| ECN 445: Environmental Economics |
| ENT 305: Principles of Entrepreneurship |
| ENT 360: Entrepreneurship and Value Creation |
| FAS 332: Human Sexuality (SB) |
| FIS 431: Technology, Security and Insecurity in Global Politics |

| Upper Division Related Area Electives (Continued) |
| --- |
| JMC 313: Introduction to Editing |
| JMC 351: Photojournalism I |
| JMC 366: Journalism Ethics and Diversity |
| JUS 303: Justice Theory (L) |
| JUS 320: Community and Social Justice (SB & C) |
| JUS 325: Globalization and Socio-Economic Justice (SB & G) |
| JUS 352: The Global Politics of Human Rights (SB & G) |
| JUS 445: Surveillance and Society |
| JUS 456: Human Rights and Sustainability ((L or SB) & G) |
| MCO 425: Digital Media Literacy I |
| PAF 300: Public Management and Administration |
| PHI 306: Applied Ethics (HU) |
| PHI 329: History of Modern Philosophy (HU & H) |
| PHI 330: Theory of Knowledge (HU) |
| POS 443: Topics in Contemporary Political Theory (HU) |
| PSY 306: Environmental Psychology (SB) |
| PSY 350: Social Psychology (SB) |
| PUP 452: Ethics and Theory in Planning (L) |
| PUP 465: Sustainable Urbanism |
| REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) |
| SOC 315: Sociology of Dating, Relationships and Marriage (SB) |
| SOC 352: Social Change (SB & G & H) |
| SOC 420: Sociology of Religion (L or SB) |
| SOS 315: Energy Policy |
| SOS 320: Society and Sustainability (L or SB) |

FSE 301: Entrepreneurship and Value Creation

GCU 421: Geography of Arizona and Southwestern United States (SB & C)

GPH 314: Global Change (HU & G)

HCI 311: Health Innovation: Foundational Concepts

HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing

HCI 412: Transforming Health Care: A Systems Perspective for Innovation

HCI 421: Health Care Policy: The Innovator's View

HCI 425: Facilitating Innovation to Achieve Outcomes

HCI 428: Technology: A Tool to Advance Innovation in Health Care

HPS 314: Philosophy of Science (HU)

HPS 322: History of Science I (HU & H)

HPS 340: Biology and Society

HST 318: History of Engineering ((L or SB) & G)

HST 345: Environmental History (L)

IAS 410: Evolution of Ideas (L or HU)

IDS 301: Becoming Interdisciplinary

SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and Sustainability

SOS 327: Sustainable Food and Farms

SOS 328: Sustainability and Enterprise

SWU 349: Stress Management Tools II (SB)

SWU 349: Stress Management Tools II (SB)

SWU 350: Whole Person Health Across the Lifespan (SB)

TCL 447: Gender, Culture, and Development ((L or SB) & G)

TWC 454: Information Technology and Culture (C)

WST 440: Politics of Women's Health (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Innovation in Society, BS

School/College: College of Global Futures
Location: Online, ASU Local
FIFISBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-ONL: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Join a student club or professional organization |
| FIS 111: Welcome to the Future | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 20 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 170: Precalculus (MA) | 3 | C | • Create a first draft resume |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 20 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 201: Innovation in Society (H) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 29 - 36 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | • Secure a part-time job or volunteer experience |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 36 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Technical Elective | 6 | C | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 9 | | |

| Term 4 - A 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR SOC 390: Social Statistics I (CS) | 3 | C | • Use Handshake to research employment opportunities<br>• Explore an internship |
| Technical Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 51 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 305: Ways of Knowing (L) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 307: Navigating Futures (SB) | 3 | C | • Reflect on the skills you have and the skills you think you need |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FIS 308: Politics, Markets and Innovation (SB) | 3 | C | • Develop your professional online presence |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 81 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR FIS 484: Internship | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS Upper Division Elective | 3 | C | • Gather professional references<br>• Complete an in person or virtual practice interview |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FIS 480: Innovation in Society Studio | 3 | C | • FIS 480 may be substituted with a capstone-like course or independent study course with faculty mentor of at least three credits. The substituted course must include demonstration of professional conduct and leadership; development and evaluation of applications and strategies; and written/oral communication of complex ideas to diverse audiences. Substitution must be approved. See advisor for more information. |
| Upper Division Related Area Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

| Technical Elective |
|---|
| AEE OR AET OR AML OR ASM OR AST OR BIO OR BCH OR BME OR CEE OR CHE OR CNE OR EEE OR EET OR EGR OR FSE OR GLG OR GPH OR IEE OR LSE OR MAE OR MAT OR MBB OR MEE OR MET OR MFG OR MIC OR MSE OR PHS OR PHY OR PLB OR STP Elective |

| Upper Division Related Area Electives |
|---|
| AFR 375: Race, Gender and Sport (SB & C) |
| ASB 300: Food and Culture ((L or SB) & C) |
| ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) |
| ASB 452: Community Partnerships for Global Health (SB) |
| ASM 414: Urban, Environmental and Health Challenges (SB) |
| BIO 311: Biology and Society |
| BIO 312: Bioethics (HU) |
| BIO 320: Fundamentals of Ecology |
| BIO 324: Environmental Ethics (HU) |

| Upper Division Related Area Electives (Continued) |
|---|
| IDS 301: Becoming Interdisciplinary |
| JUS 303: Justice Theory (L) |
| JUS 352: The Global Politics of Human Rights (SB & G) |
| MCO 425: Digital Media Literacy I |
| OGL 350: Diversity and Organizations (L & C) |
| PAF 300: Public Management and Administration |
| PAF 311: Leadership and Change (SB) |
| PHI 306: Applied Ethics (HU) |

CDE 350: Inequality and Diversity in Education (L & C)

COM 312: Communication, Conflict, and Negotiation

ECN 312: Intermediate Microeconomic Theory (SB)

ECN 355: Economics of Healthcare

ENT 305: Principles of Entrepreneurship

ENT 360: Entrepreneurship and Value Creation

FAS 332: Human Sexuality (SB)

FSE 301: Entrepreneurship and Value Creation

GCU 421: Geography of Arizona and Southwestern United States (SB & C)

GPH 314: Global Change (HU & G)

HCI 311: Health Innovation: Foundational Concepts

HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing

HCI 412: Transforming Health Care: A Systems Perspective for Innovation

HCI 421: Health Care Policy: The Innovator's View

HCI 425: Facilitating Innovation to Achieve Outcomes

HCI 428: Technology: A Tool to Advance Innovation in Health Care

HPS 314: Philosophy of Science (HU)

HPS 322: History of Science I (HU & H)

HPS 340: Biology and Society

HST 318: History of Engineering ((L or SB) & G)

HST 345: Environmental History (L)

PHI 329: History of Modern Philosophy (HU & H)

PHI 330: Theory of Knowledge (HU)

PSY 306: Environmental Psychology (SB)

PSY 350: Social Psychology (SB)

PUP 452: Ethics and Theory in Planning (L)

PUP 465: Sustainable Urbanism

REL 374: Witchcraft and Heresy in Europe ((L or HU) & H)

SOC 315: Sociology of Dating, Relationships and Marriage (SB)

SOC 352: Social Change (SB & G & H)

SOC 420: Sociology of Religion (L or SB)

SOS 315: Energy Policy

SOS 320: Society and Sustainability (L or SB)

SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and Sustainability

SOS 327: Sustainable Food & Farms

SOS 328: Sustainability and Enterprise

SWU 349: Stress Management Tools II (SB)

SWU 350: Whole Person Health Across the Lifespan (SB)

TWC 454: Information Technology and Culture (C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sustainability, BA

School/College: College of Global Futures
Location: Polytechnic, Tempe
SUSUSTBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3 | C | • SOS 191 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• SOS 201 required of all Sustainability transfer students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement. |
| SOS 191: Introduction to ASU & SOS for First Year Students OR SOS 201: Introduction to ASU and School of Sustainability for Transfer Students | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SOS 111: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Minimum 2.50 GPA in SFS and SOS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| SOS 110: Sustainable World (SB) | 3 | C | |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete SOS 110 AND SOS 111 course(s). | | | |
| Minimum 2.50 GPA in SFS and SOS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| SOS 220: Systems Thinking | 3 | C | • Create a first draft resume and start attending sustainability career-related workshops and lectures. |
| SOS 232: Professional Skills in Sustainability Practice | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Minimum 2.50 GPA in SFS and SOS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 3 | C | • See track/group notes below for track requirement details. |
| SOS 231: Careers in Sustainability | 1 | C | |
| SOS 310: Equity, Justice and Sustainability | 3 | C | |
| Upper Division Track Required Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete SOS 231 AND SOS 232 course(s). | | | |
| Milestone: Select a track. | | | |
| Minimum 2.50 GPA in SFS and SOS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 6 | C | • See track/group notes below for track requirement details.<br>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.<br>• Meet with the College of Global Futures Career Advisor to review your resume. |
| SOS 311: Future Thinking and Strategies | 3 | C | |
| Related Discipline Elective | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.50 GPA in SFS and SOS. | | | |

| | | | |
|---|---|---|---|
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 92 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Track Elective Course | 3 | C | • See track/group notes below for track elective details.<br>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.<br>• Begin exploring internship opportunities and meet with the College of Global Futures internship advisor to discuss your interests. |
| Related Discipline Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Minimum 2.50 GPA in SFS and SOS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 7 92 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Discipline Elective | 3 | C | • See track/group notes below for upper division track elective details.<br>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.<br>• Meet with the College of Global Futures career advisor to discuss and refine your career search process. |
| Upper Division Track Elective Course | 3 | C | |
| Upper Division Elective OR SOS 484: Capstone: Internship | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| ★ Minimum 2.50 GPA in SFS and SOS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 498: Pro-Seminar (L) OR SOS 493: Honors Thesis (L) | 3 | B- | • All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval. |
| Upper Division Related Discipline Elective | 3 | C | |
| SOS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 1 | | |
| ★ Minimum 2.50 GPA in SFS and SOS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 13 | | |

- 
  - Sustainability BA students must select one of the following challenge area tracks:
    - Society and Sustainability (SOS 320)
    - Policy and Governance in Sustainable Systems (SOS 321)
    - International Development and Sustainability (SOS 322)
    - Sustainable Urban Dynamics (SOS 323 or SOS 465)

- Students must declare a track by the end of Term 4.
- Students must complete the one required course for their chosen track.
- Students must also complete any additional three track courses for a total of 12 credit hours of track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective course must be upper division.

Example: If the Society and Sustainability Track is chosen, students must complete SOS 320 and any three additional track courses by the end of Term 5.

More information on BA Tracks can be found here.

Hide Course List(s)/Track Group(s)

| International Development and Sustainability Track |
|---|
| **Required Course:** |
| SOS 322: International Development and Sustainability |
| **Electives:** |
| AFR 340: The Making of Modern Africa (SB & G & H) |
| AGB 302: International Management and Agribusiness (G) |
| ALT 412: Village Energy Systems |
| ASB 100: Introduction to Global Health (SB & G) |
| ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) |
| FIS 337: Innovation and Global Development (G) |
| GCU 364: Energy in the Global Arena (SB & G) |
| GPH 314: Global Change (HU & G) |
| JUS 325: Globalization and Socio-Economic Justice (SB & G) or SGS 325: Globalization and Socio-Economic Justice (SB & G) |
| JUS 352: The Global Politics of Human Rights (SB & G) |
| OMT 440: International Business (G) |
| POS 160: Global Politics (SB & G) |
| POS 300: Contemporary Global Controversies (SB & G) |
| POS 368: Ethics and Human Rights |
| POS 486: International Political Economy (SB & G) |

| Policy and Governance in Sustainable Systems Track |
|---|
| **Required Course:** |
| SOS 321: Policy and Governance in Sustainable Systems |
| **Electives:** |
| AGB 414: Food and Agribusiness Policy Issues (L) |
| ABS 381: Natural Resources Policy |
| ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) |
| BIO 412: Conservation in Practice |
| ECN 441: Public Economics (SB) |
| GCU 361: Urban Geography (SB) |
| GPH 314: Global Change (HU & G) |
| HST 345: Environmental History (L) |
| JUS 332: Politics of Energy Policy and Justice |
| PAF 300: Public Management and Administration |
| PAF 340: Contemporary Policy Challenges |
| PHI 407: Environmental Philosophy and Policy (L or HU) |
| POS 160: Global Politics (SB & G) |
| POS 300: Contemporary Global Controversies (SB & G) |
| POS 346: Problems of Democracy (HU) |
| POS 351: Democratization (SB & G) |
| POS 364: National Security, Intelligence, and Terrorism (SB) |
| POS 368: Ethics and Human Rights |

| Society and Sustainability Track |
|---|
| **Required Course:** |
| SOS 320: Society and Sustainability (L or SB) |
| **Electives:** |
| ASB 202: Immigration and Ethnic Relations in the U.S. (SB & C) |
| ASB 211: Women in Other Cultures ((HU or SB) & G) |
| ASB 311: Principles of Social Anthropology (SB & G & H) |
| ASB 326: Human Impacts on Ancient Environments (SB & H) |
| ASB 344: Technology and Society (L or SB) |
| ASB 370: Ethics of Eating (L or SB) |
| BIO 311: Biology and Society |
| BIO 434: People and Nature: Ecosystem Services |
| ENG 367: Environmental Issues in Literature and Film (L or HU) |
| FIS 111: Welcome to the Future |
| FIS 334: Science, Technology and Inequality (C) |
| GCU 350: The Geography of World Crises (SB & G) |
| GCU 351: Population Geography (SB & G) |
| GCU 357: Social Geography (SB) |
| GCU 441: Economic Geography (SB) |
| GCU 442: Geographical Analysis of Transportation (SB) |
| GPH 210: Society and Environment (G) |

SBS 480: Global Justice (G)

SGS 301: Principles of Global Studies (G)

SGS 303: Global Trends (SB & G)

SGS 330: Globalization and the Environment: Problems and Solutions

SGS 340: Violence, Conflict and Human Rights

SOC 333: Population (SB & G)

SOS 447: Gender, Culture, and Development ((L or SB) & G)

STS 330: Information Technology and Globalization (SB & G)

STS 332: Global Issues in Science and Technology (SB)

TDM 458: International Tourism (G)

TEM 431: Innovation Management

TEM 450: Design for the Developing World

TEM 455: Global Impact Entrepreneurship

WST 378: Global Feminist Theory (L & G)

POS 410: Governing American Cities (SB)

PUP 301: Introduction to Urban Planning (L)

PUP 430: Transportation Planning and the Environment

SGS 330: Globalization and the Environment: Problems and Solutions

SOS 371: Inequality and Sustainability

STS 325: Science, Technology, and Public Policy (SB)

TCL 340: Chicana/o and Latina/o Politics and Policy (L & C)

JUS 320: Community and Social Justice (SB & C)

JUS 321: Wealth Distribution and Poverty (SB & C)

JUS 405: Inequality, Economy and Justice ((L or SB) & G)

JUS 430: Social Protest, Conflict, and Change ((L or SB) & C)

JUS 444: Environment and Justice (L & C)

PSY 306: Environmental Psychology (SB)

PSY 350: Social Psychology (SB)

SGS 330: Globalization and the Environment: Problems and Solutions

SOC 270: Sociology of Race and Ethnicity (SB & C)

SOC 331: Environmental Sociology (SB & G)

SOC 332: The Modern City (G)

SOC 334: Technology and Society (L or SB)

SOC 352: Social Change (SB & G & H)

SOS 309: History and Philosophy of Sustainability or HST 308: History and Philosophy of Sustainability or PHI 322: History and Philosophy of Sustainability

SOS 447: Gender, Culture, and Development ((L or SB) & G)

SOS 467: Art and Ecology

WST 375: Women and Social Change (SB & C)

WST 380: Race, Gender, and Class (SB & C)

WST 457: Women, Cultures, and Societies (SB & G)

Sustainable Urban Dynamics Track

**Required Course:**

SOS 323: Sustainable Urban Dynamics or SOS 465: Sustainable Urbanism

**Electives:**

ABS 260: Fundamentals of Sustainable Horticulture (SG)

ABS 364: Urban Forestry

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

ASB 442: Global Cities (SB & G) or SBS 460: Global Cities (SB & G)

CHE 469: Air Quality Engineering

GCU 359: Cities of the World I (SB & G & H)

GCU 361: Urban Geography (SB)

GCU 425: Geography of the Mexican American Borderland ((L or SB) & G)

GCU 442: Geographical Analysis of Transportation (SB)

PAF 220: Introduction to Urban America

PAF 240: Urban Policy (C)

PAF 305: Urban Governance

PAF 351: Urban and Metropolitan Studies

PAF 352: Urban Theory

POS 410: Governing American Cities (SB)

POS 464: Border Cities: Action Research on Globalization (SB & G)

PUP 200: Cities in Cinema (HU & H & G)

PUP 301: Introduction to Urban Planning (L)

PUP 363: History of Planning

PUP 410: Public Participation in Planning

PUP 430: Transportation Planning and the Environment

SOC 331: Environmental Sociology (SB & G)

SOS 315: Energy Policy

SOS 327: Sustainable Food and Farms

SOS 330: Sustaining the Commons (L)

SOS 414: Urban and Environmental Health (SB) or ASM 414: Urban, Environmental and Health Challenges (SB)

STS 325: Science, Technology, and Public Policy (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sustainability, BA

School/College: College of Global Futures
Location: Online, ASU Local
SUSUSTBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 191: Introduction to ASU & SOS for First Year Students OR SOS 201: Introduction to ASU and School of Sustainability for Transfer Students | 1 | C | • SOS 191 or college-specific equivalent First-Year Seminar required of all first-year students<br>• SOS 201 required of all Sustainability transfer students |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SOS 111: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3 | | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 23 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 110: Sustainable World (SB) | 3 | C | • Create a first draft resume. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 23 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 220: Systems Thinking | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete SOS 110 AND SOS 111 course(s). | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |

| | | |
|---|---|---|
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 7 | |

| Term 3 - A 30 - 37 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 232: Professional Skills in Sustainability Practice | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.<br>• Develop your skills. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 3 | C | • See track/group notes below for track requirement details |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 51 - 58 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 3 | C | • See track/group notes below for track requirement details |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Milestone: Select a track. | | | |

| | | | |
|---|---|---|---|
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 7 | |

| Term 5 - A 58 - 65 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 231: Careers in Sustainability | 1 | C | • See track/group notes below for track requirement details.<br>• Schedule an appointment with the College of Global Futures career advisor to review your resume. |
| SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 65 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 311: Future Thinking and Strategies | 3 | C | • See track/group notes below for track requirement details |
| Upper Division Track Required Course | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 74 - 80 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 310: Equity, Justice and Sustainability | 3 | C | • All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.<br>• Explore internship opportunities and schedule an appointment with the College of Global Futures internship advisor to discuss your interests. |
| Related Discipline Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 80 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Discipline Elective | 3 | C | • See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.<br>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval. |
| Track Elective Course | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| | | Minimum | |
|---|---|---|---|

| Term 7 - A 89 - 98 Credit Hours | Hours | Grade | Notes |
|---|---|---|---|
| Upper Division Related Discipline Elective | 3 | C | • See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.<br>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval. |
| Upper Division Track Elective Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 98 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 498: Pro-Seminar (L) | 3 | B- | • All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval. |
| Upper Division Related Discipline Elective | 3 | C | |
| Elective | 3 | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 107 - 113 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective OR SOS 484: Capstone: Internship | 3 | | • Schedule an appointment with the College of Global Futures career advisor to discuss and refine your career search process. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 113 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 1 | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

- 
  - Sustainability BA students must select one of the following challenge area tracks:
    Society & Sustainability (SOS 320)
    Policy and Governance in Sustainable Systems (SOS 321)
    International Development and Sustainability (SOS 322)
    Sustainable Urban Dynamics (SOS 323 or SOS 465)
  - Students must declare a track by the end of Term 4.
  - Students must complete the one required track course for their chosen track.
  - Students must also complete any additional three track courses for a total of 12 credit hours of track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
  - Students must complete two track elective courses from their chosen track. At least one track elective course must be upper division.

Example: If the Society and Sustainability Track is chosen, students must complete SOS 320 and any three additional track courses by the end of Term 5.

More information on BA Tracks can be found here.

Hide Course List(s)/Track Group(s)

| International Development and Sustainability Track |
| --- |
| **Required Course:** |
| SOS 322: International Development and Sustainability |
| **Electives:** |
| AGB 302: International Management and Agribusiness (G) |
| ASB 100: Introduction to Global Health (SB & G) |
| ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) |
| FIS 337: Innovation and Global Development (G) |
| GPH 314: Global Change (HU & G) |
| JUS 352: The Global Politics of Human Rights (SB & G) |
| OMT 440: International Business (G) |
| POS 160: Global Politics (SB & G) |
| POS 300: Contemporary Global Controversies (SB & G) |
| POS 368: Ethics and Human Rights |
| POS 486: International Political Economy (SB & G) |
| SGS 301: Principles of Global Studies (G) |
| SGS 303: Global Trends (SB & G) |
| SGS 340: Violence, Conflict and Human Rights |
| STS 330: Information Technology and Globalization (SB & G) |
| STS 332: Global Issues in Science and Technology (SB) |
| TDM 458: International Tourism (G) |
| TEM 431: Innovation Management |
| TEM 450: Design for the Developing World |
| TEM 455: Global Impact Entrepreneurship |
| WST 378: Global Feminist Theory (L & G) |

| Policy and Governance in Sustainable Systems Track |
| --- |
| **Required Course:** |
| SOS 321: Policy and Governance in Sustainable Systems |
| **Electives:** |
| ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) |
| BIO 412: Conservation in Practice |
| ECN 441: Public Economics (SB) |
| GCU 361: Urban Geography (SB) |
| GPH 314: Global Change (HU & G) |
| HST 345: Environmental History (L) |
| PAF 300: Public Management and Administration |
| PAF 340: Contemporary Policy Challenges |
| POS 160: Global Politics (SB & G) |
| POS 300: Contemporary Global Controversies (SB & G) |
| POS 346: Problems of Democracy (HU) |
| POS 351: Democratization (SB & G) |
| POS 364: National Security, Intelligence, and Terrorism (SB) |
| POS 368: Ethics and Human Rights |
| PUP 301: Introduction to Urban Planning (L) |
| PUP 430: Transportation Planning and the Environment |

| Society and Sustainability Track |
| --- |
| **Required Course:** |
| SOS 320: Society and Sustainability (L or SB) |
| **Electives:** |
| ASB 344: Technology and Society (L or SB) |
| ASB 370: Ethics of Eating (L or SB) |
| BIO 311: Biology and Society |
| ENG 367: Environmental Issues in Literature and Film (L or HU) |
| FIS 111: Welcome to the Future |
| FIS 334: Science, Technology and Inequality (C) |
| GCU 350: The Geography of World Crises (SB & G) |
| GCU 351: Population Geography (SB & G) |
| GCU 441: Economic Geography (SB) |
| GCU 442: Geographical Analysis of Transportation (SB) |
| GPH 210: Society and Environment (G) |
| PSY 306: Environmental Psychology (SB) |
| PSY 350: Social Psychology (SB) |
| SOC 270: Sociology of Race and Ethnicity (SB & C) |
| SOC 332: The Modern City (G) |
| SOC 334: Technology and Society (L or SB) |
| SOC 352: Social Change (SB & G & H) |
| WST 380: Race, Gender, and Class (SB & C) |

| Sustainable Urban Dynamics Track |
|---|
| **Required Course:** |
| SOS 323: Sustainable Urban Dynamics or SOS 465: Sustainable Urbanism |
| **Electives:** |
| ALA 100: Introduction to Environmental Design (HU & H & G) |
| GCU 359: Cities of the World I (SB & G & H) |
| GCU 361: Urban Geography (SB) |
| GCU 442: Geographical Analysis of Transportation (SB) |
| PUP 200: Cities in Cinema (HU & H & G) |
| PUP 301: Introduction to Urban Planning (L) |
| PUP 363: History of Planning |
| PUP 410: Public Participation in Planning |
| PUP 430: Transportation Planning and the Environment |
| SOS 315: Energy Policy |
| SOS 327: Sustainable Food and Farms |
| SOS 414: Urban and Environmental Health (SB) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sustainability, BS

School/College: College of Global Futures
Location: Polytechnic, Tempe
SUSUSTBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3 | C | • SOS 191 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• SOS 201 required of all Sustainability transfer students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement. |
| SOS 191: Introduction to ASU & SOS for First Year Students OR SOS 201: Introduction to ASU and School of Sustainability for Transfer Students | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SOS 111: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of language course(s) at the 102 level. | 4 | C | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.<br>• Join a student club or professional organization. |
| SOS 110: Sustainable World (SB) | 3 | C | |
| SOS 211: Calculus and Probability for the Life and Social Sciences (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of language course(s) at the 102 level. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete SOS 110 AND SOS 111 course(s). | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| SOS 220: Systems Thinking | 3 | C | • Create a first draft resume and start attending sustainability career-related workshops and lectures. |
| SOS 212: Systems, Dynamics and Sustainability | 3 | C | |
| SOS 232: Professional Skills in Sustainability Practice | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| **Term 4 46 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 3 | C | • See track/group notes below for Track requirement details. |
| SOS 231: Careers in Sustainability | 1 | C | |
| SOS 310: Equity, Justice and Sustainability | 3 | C | |
| Upper Division Track Required Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete SOS 211 AND SOS 212 course(s). | | | |
| Complete SOS 231 AND SOS 232 course(s). | | | |
| Milestone: Select a track. | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17 | | |

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:*<br>SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 6 | C | • See track/group notes below for Track requirement details.<br>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.<br>• Meet with the College of Global Futures career advisor to review your resume. |
| SOS 311: Future Thinking and Strategies | 3 | C | |
| Related Discipline Elective | 3 | C | |
| Elective | 3 | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |

Term hours subtotal: 15

| Term 6 78 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Discipline Elective | 3 | C | • See track/group notes below for Track elective details.<br>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.<br>• Begin exploring internship opportunities and meet with the College of Global Futures internship advisor to discuss your interests. |
| Track Elective Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Discipline Elective | 3 | C | • See track/group notes below for Track elective details.<br>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.<br>• Meet with the College of Global Futures career advisor to discuss and refine your career search process. |
| Upper Division Track Elective Course | 3 | C | |
| Upper Division Elective OR SOS 484: Capstone: Internship | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 498: Pro-Seminar (L) OR SOS 493: Honors Thesis (L) | 3 | B- | • All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval. |
| Upper Division Related Discipline Elective | 3 | C | |
| SOS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

- 
  - Sustainability BS students must select one of the following challenge area tracks:
    - Sustainable Energy, Materials, and Technology (SOS 324)
    - Economics of Sustainability (SOS 325)
    - Ecosystems Sustainability (SOS 326)
  - Students must declare a track by the end of Term 4
  - Students must complete the one required track course for their chosen track.
  - Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.

- Students must complete two track elective courses from their chosen track. At least one track elective must be upper division.

Example: If the Economics of Sustainability Track is chosen, students must complete SOS 325 and any three additional track courses by the end of Term 5.

More information on BS Tracks can be found here.

Hide Course List(s)/Track Group(s)

| Economics of Sustainability Track |
| --- |
| Required Course: |
| SOS 325: The Economics of Sustainability |
| Electives: |
| ASB 316: Money and Culture (L or SB) |
| ECN 211: Macroeconomic Principles (SB) |
| ECN 212: Microeconomic Principles (SB) |
| ECN 306: Survey of International Economics (SB & G) |
| ECN 312: Intermediate Microeconomic Theory (SB) |
| ECN 313: Intermediate Macroeconomic Theory (SB) |
| ECN 345: Survey of Environmental and Resource Economics |
| ECN 360: Economic Development (SB & G) |
| ECN 413: Advanced Honors Macroeconomics |
| ECN 414: Advanced Honors Microeconomics |
| ECN 425: Introduction to Econometrics |
| ECN 436: International Trade Theory (SB & G) |
| ECN 445: Environmental Economics |
| GCU 441: Economic Geography (SB) |
| JUS 325: Globalization and Socio-Economic Justice (SB & G) |
| POS 486: International Political Economy (SB & G) |
| SGS 330: Globalization and the Environment: Problems and Solutions |
| SOS 371: Inequality and Sustainability |

| Ecosystems Sustainability Track |
| --- |
| Required Course: |
| SOS 326: Sustainable Ecosystems |
| Electives: |
| ABS 364: Urban Forestry |
| ABS 370: Ecology |
| ABS 430: Watershed Management |
| ABS 481: Riparian and Wetland Restoration |
| BIO 181: General Biology I (SQ) |
| BIO 182: General Biology II (SG) |
| BIO 303: Plant Diversity and Evolution (L or SG) |
| BIO 304: Plants and Civilization (L) or PLB 302: Plants and Civilization (L) |
| BIO 308: Plant Physiology |
| BIO 311: Biology and Society |
| BIO 313: The Flora of Arizona |
| BIO 320: Fundamentals of Ecology |
| BIO 322: Conservation of Biodiversity |
| BIO 323: Ecosystem Restoration and Management |
| BIO 324: Environmental Ethics (HU) |
| BIO 325: Oceanography or GLG 325: Oceanography |
| BIO 331: Animal Behavior |
| BIO 370: Vertebrate Zoology |
| BIO 386: General Entomology |
| BIO 410: Techniques in Conservation Biology and Ecology (L) |
| BIO 411: Quantitative Methods in Conservation and Ecology |
| BIO 412: Conservation in Practice |
| BIO 421: Landscape Ecology |

| Sustainable Energy, Materials, and Technology Track |
| --- |
| Required Course: |
| SOS 324: Sustainable Energy Technology and Systems |
| Electives: |
| ALA 100: Introduction to Environmental Design (HU & H & G) |
| ALA 102: Landscapes and Sustainability (HU & G) |
| ALT 435: Applied Photovoltaics |
| APH 313: History of Architecture I ((L or HU) & G & H) |
| CEE 400: Earth Systems Engineering and Management ((L or HU) & H) |
| CHM 107: Chemistry and Society (SQ) |
| CON 101: Construction and Culture: a Built Environment (HU & H) |
| ERM 201: Environmental Management |
| ERM 203: Environmental Regulations |
| ERM 302: Water and Wastewater Treatment Technology |
| ERM 401: Hazardous Waste Management |
| ERM 426: Environmental Issues |
| ERM 428: International Environmental Management (G) |
| GCU 364: Energy in the Global Arena (SB & G) |
| GPH 405: Energy and Environment |
| GPH 412: Physical Meteorology |
| HST 302: Energy Transitions and Sustainability |
| IND 242: Materials and Design |
| SES 141: Energy In Everyday Life (SQ) |
| SOS 171: The Thread of Energy (SB & G) |

BIO 423: Population and Community Ecology

BIO 434: People and Nature: Ecosystem Services

BIO 471: Ornithology

BIO 472: Mammalogy

BIO 474: Herpetology

CHM 302: Environmental Chemistry

GLG 110: Dangerous World (SQ & G)

GPH 314: Global Change (HU & G)

GPH 381: Geography of Natural Resources (G)

HST 345: Environmental History (L)

MIC 205: Microbiology (SG)

MIC 220: Biology of Microorganisms

PLB 300: Plant Diversity and Evolution (L or SG)

PLB 310: The Flora of Arizona

SCN 301: Ecology and Natural History of the Sonoran Desert (SG)

SOS 372: Earth Science in Arizona and the Southwest

SOS 374: Earth's Critical Zone

SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G)

SOS 414: Urban and Environmental Health (SB)

SOS 429: Human Impacts on Ecosystem Functioning

SOS 433: Sustainable Water Use

SOS 476: Earth's Past Climates: The Key to our Sustainable Future

SOS 181: Technological, Social, and Sustainable Systems (HU)

SOS 315: Energy Policy

SOS 435: U.S. Energy: Pathways to Sustainability

SOS 494: Renewable Energy

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sustainability, BS

School/College: College of Global Futures
Location: Online, ASU Local
SUSUSTBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 191: Introduction to ASU & SOS for First Year Students OR SOS 201: Introduction to ASU and School of Sustainability for Transfer Students | 1 | C | • SOS 191 or college-specific equivalent First-Year Seminar is required of all first-year students<br>• SOS 201 required of all Sustainability transfer students |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SOS 111: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 22 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 110: Sustainable World (SB) | 3 | C | • Create a first draft resume. |
| SOS 211: Calculus and Probability for the Life and Social Sciences (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 22 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 212: Systems, Dynamics and Sustainability | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete SOS 110 AND SOS 111 course(s). | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |

| | | |
|---|---|---|
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 7 | |

| Term 3 - A 29 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 220: Systems Thinking | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.<br>• Develop your skills. |
| Second Language: Requirement satisfied through the following:<br>* Completion of language course(s) at the 102 level. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 36 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 232: Professional Skills in Sustainability Practice | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of language course(s) at the 102 level. | 4 | C | |
| Complete SOS 211 AND SOS 212 course(s). | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 43 - 50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 3 | C | • See track/group notes below for track requirement details |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 50 - 57 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 231: Careers in Sustainability | 1 | C | • See track/group notes below for track requirement details |
| SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Milestone: Select a track. | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |

| | | |
|---|---|---|
| Term hours subtotal: | 7 | |

| Term 5 - A 57 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism | 3 | C | • See track/group notes below for track requirement details<br>• Schedule an appointment with the College of Global Futures career advisor to review your resume. |
| Upper Division Track Required Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 66 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 310: Equity, Justice and Sustainability | 3 | C | • See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list. |
| Track Elective Course | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 75 - 84 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 311: Future Thinking and Strategies | 3 | C | • See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.<br>• All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval. |
| Upper Division Track Elective Course | 3 | C | |
| Related Discipline Elective | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Discipline Elective | 3 | C | • All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.<br>• Explore internship opportunities and schedule an appointment with the College of Global Futures internship advisor to discuss your interests. |
| Literacy and Critical Inquiry (L) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 90 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Discipline Elective | 3 | C | • All students must complete 12 hours of approved Related Discipline courses. A |

| | | |
|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 9 | |

Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.

| Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 498: Pro-Seminar (L) | 3 | B- | |
| Upper Division Related Discipline Elective | 3 | C | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. Must see advisor for approval.
- Schedule an appointment with the College of Global Futures career advisor to discuss and refine your career search process.

| Term 8 - A 105 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective OR SOS 484: Capstone: Internship | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

- Sustainability BS students must select one of the following challenge area tracks:
  - Sustainable Energy, Materials, and Technology (SOS 324)
  - Economics of Sustainability (SOS 325)
  - Ecosystems Sustainability (SOS 326)
- Students must declare a track by the end of Term 4.
- Students must complete the one required track course for their chosen track.
- Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective must be upper division.

Example: If the Economics of Sustainability Track is chosen, students must complete SOS 325 and any three additional track courses by the end of Term 5.

More information on BS Tracks can be found here.

Hide Course List(s)/Track Group(s)

| | |
|---|---|
| Economics of Sustainability Track | Ecosystems Sustainability Track |

| | | |
|---|---|---|
| Required Course: | Required Course: | Sustainable Energy, Materials, and Technology Track |
| SOS 325: The Economics of Sustainability | SOS 326: Sustainable Ecosystems | Required Course: |
| Electives: | Electives: | SOS 324: Sustainable Energy Technology and Systems |
| ASB 316: Money and Culture (L or SB) | ABS 370: Ecology | Electives: |
| ECN 211: Macroeconomic Principles (SB) | BIO 181: General Biology I (SQ) | ALA 100: Introduction to Environmental Design (HU & H & G) |
| ECN 212: Microeconomic Principles (SB) | BIO 182: General Biology II (SG) | CHM 107: Chemistry and Society (SQ) |
| ECN 306: Survey of International Economics (SB & G) | BIO 304: Plants and Civilization (L) | HST 302: Energy Transitions and Sustainability |
| ECN 312: Intermediate Microeconomic Theory (SB) | BIO 311: Biology and Society | SES 141: Energy In Everyday Life (SQ) |
| ECN 313: Intermediate Macroeconomic Theory (SB) | BIO 320: Fundamentals of Ecology | SOS 171: The Thread of Energy (SB & G) |
| ECN 360: Economic Development (SB & G) | BIO 322: Conservation of Biodiversity | SOS 181: Technological, Social, and Sustainable Systems (HU) |
| ECN 436: International Trade Theory (SB & G) | BIO 324: Environmental Ethics (HU) | SOS 315: Energy Policy |
| GCU 359: Cities of the World I (SB & G & H) | BIO 325: Oceanography or GLG 325: Oceanography | SOS 494: Renewable Energy |
| POS 486: International Political Economy (SB & G) | BIO 331: Animal Behavior | |
| | BIO 370: Vertebrate Zoology | |
| | BIO 410: Techniques in Conservation Biology and Ecology (L) | |
| | BIO 411: Quantitative Methods in Conservation and Ecology | |
| | BIO 412: Conservation in Practice | |
| | BIO 423: Population and Community Ecology | |
| | GLG 110: Dangerous World (SQ & G) | |
| | GPH 314: Global Change (HU & G) | |
| | GPH 381: Geography of Natural Resources (G) | |
| | HST 345: Environmental History (L) | |
| | MIC 205: Microbiology (SG) | |
| | MIC 220: Biology of Microorganisms | |
| | SOS 414: Urban and Environmental Health (SB) | |
| | SOS 374: Earth's Critical Zone | |
| | SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G) | |
| | SOS 476: Earth's Past Climates: The Key to our Sustainable Future | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sustainable Food Systems, BS

School/College: College of Global Futures
Location: Downtown Phoenix, Polytechnic, Tempe
SUSFOSYSBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3 | C | • SOS 191 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• SOS 201 required of all Sustainability transfer students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement. |
| SOS 191: Introduction to ASU & SOS for First Year Students OR SOS 201: Introduction to ASU and School of Sustainability for Transfer Students | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SOS 111: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of language course(s) at the 102 level. | 4 | C | |
| Minimum 2.50 GPA in SFS and SOS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.<br>• Join a student club or professional organization. |
| SOS 110: Sustainable World (SB) | 3 | C | |
| SOS 211: Calculus and Probability for the Life and Social Sciences (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of language course(s) at the 102 level. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete SOS 110 AND SOS 111 course(s). | | | |
| Minimum 2.50 GPA in SFS and SOS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| SOS 220: Systems Thinking | 3 | C |
| CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ) | 4 | |
| SFS 215: Fundamentals of Sustainable Food Systems (L) | 3 | C |
| SOS 212: Systems, Dynamics and Sustainability | 3 | C |
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Complete First-Year Composition requirement. | | |
| Minimum 2.50 GPA in SFS and SOS. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

- Create a first draft resume.
- Start attending sustainability career-related workshops and lectures.

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 241: Human Nutrition | 3 | C | |
| SFS 216: The Sustainable Plate | 3 | C | |
| SOS 182: Water Planet (SQ) | 4 | C | |
| SOS 231: Careers in Sustainability | 1 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete SFS 215 AND SFS 216 course(s). | | | |
| Complete SOS 211 AND SOS 212 course(s). | | | |
| Minimum 2.50 GPA in SFS and SOS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 310: Equity, Justice and Sustainability | 3 | C | |
| SOS 311: Future Thinking and Strategies | 3 | C | |
| SOS 326: Sustainable Ecosystems | 3 | C | |
| SOS 327: Sustainable Food and Farms | 3 | C | |
| Skills Elective | 3 | C | |
| Minimum 2.50 GPA in SFS and SOS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

- Meet with a College of Global Futures Career Advisor to review your resume.

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Focus Area Course | 3 | C | |
| Focus Area Course | 3 | C | |
| Skills Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.50 GPA in SFS and SOS. | | | |

- Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.
- Begin exploring internship opportunities and start learning more about the capstone internship requirement.

| | | |
|---|---|---|
| ★ Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SFS 484: Capstone: Internship OR SOS 484: Capstone: Internship | 4 | B- | • Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area.<br>• Meet with a College of Global Futures Career Advisor to discuss and refine your career search process. |
| Upper Division Focus Area Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| Elective | 3 | | |
| ★ Minimum 2.50 GPA in SFS and SOS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SFS 498: Pro-Seminar (L) | 3 | B- | • Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area. |
| Upper Division Focus Area Course | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| ★ Minimum 2.50 GPA in SFS and SOS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

- Students must select one of the following focus areas:
  - Procurement
  - Ecosystem Science
  - Business & Innovation
  - Educational Leadership
  - Global Engagement
  - Policy & Governance
  - Public Health & Nutrition
- Students must declare a focus area by the end of Term 4.

Hide Course List(s)/Track Group(s)

| Skills Electives | Procurement | Ecosystem Science |
|---|---|---|
| AME 130: Prototyping Dreams (L) | AGB 250: Economics of Resource Allocation: Food and Agriculture | ABS 207: Applied Plant Taxonomy |
| CIS 105: Computer Applications and Information Technology (CS) | AGB 425: Food Supply Networks | ABS 260: Fundamentals of Sustainable Horticulture (SG) |
| CIS 300: Web Design and Development | AGB 435: Commodity Futures and Options Markets | ABS 270: Sustainable Biological Systems |
| COM 225: Public Speaking (L) | AGB 445: Food Retailing | ABS 314: Applied Plant Physiology |
| COM 459: Theory and Methods of Social Media Networks | AGB 456: Food Product Innovation and Development | ABS 318: Unseen Life on Earth |
| ECN 211: Macroeconomic Principles (SB) | AGB 481: Strategic Pricing in Food Markets | ABS 368: Plant Propagation |
| ECN 212: Microeconomic Principles (SB) | | ABS 370: Ecology |

ENG 216: Persuasive Writing on Public Issues (L)

FIS 305: Ways of Knowing (L)

GIS 205: Geographic Information Science I (CS)

GIS 211: Geographic Information Science II (CS)

MGT 430: Negotiations

NLM 300: Fund Raising and Resource Development

SOS 232: Professional Skills in Sustainability Practice

SST 220: Introduction to Social Transformation

NTR 142: Applied Food Principles

NTR 343: Food Service Purchasing

NTR 344: Nutrition Management and Leadership (L)

NTR 445: Management of Food Service Systems

NTR 455: Retail Food Service Operations

SOS 328: Sustainability and Enterprise

SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II

SOS 498: Interventions on Sustainable Consumption on Campus (L)

SOS 498: Sustainable Food Economy (L)

TDM 481: Sustainable Food Management in Tourism

ABS 380: Restoration and Wildlife Plants

ABS 394: Food and Human Health

ABS 452: Commercial Applications of Fermentation

ABS 460: Organic Gardening

ABS 464: Desert Horticulture

BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ)

BIO 108: Concepts in Plant Biology (SQ)

BIO 130: Introduction to Environmental Science (SQ)

BIO 182: General Biology II (SG)

BIO 304: Plants and Civilization (L)

BIO 320: Fundamentals of Ecology

BIO 322: Conservation of Biodiversity

BIO 386: General Entomology

BIO 418: Soil Ecology

BIO 434: People and Nature: Ecosystem Services

CEE 181: Technological, Social, and Sustainable Systems (HU)

PLB 302: Plants and Civilization (L)

SES 106: Habitable Worlds (SQ)

SOS 314: Basic Energy Science

SOS 429: Human Impacts on Ecosystem Functioning or BIO 429: Human Impacts on Ecosystem Functioning

Business & Innovation (at least 2 courses must be from AGB, BUS, CIS, ECN, ENT, MGT, MKT or SCM)

AGB 100: Introduction to Agribusiness

AGB 250: Economics of Resource Allocation: Food and Agriculture

AGB 302: International Management and Agribusiness (G)

AGB 321: Agribusiness Marketing

AGB 333: Agribusiness Finance

AGB 366: Agribusiness Production Technologies

AGB 414: Food and Agribusiness Policy Issues (L)

Educational Leadership

CDE 232: Human Development (SB)

CDE 337: Early Childhood Intervention

ECD 211: The Developing Child: Theory into Practice, Prenatal-Grade 3 (SB)

ECD 220: Introduction to Nutrition, Health and Safety

EDP 310: Children and Poverty (SB)

EDP 310: Developing as a Leader (SB)

EDP 310: Educational Psychology for Non-Teachers (SB)

EDP 310: Motivation (SB)

Global Engagement

AGB 302: International Management and Agribusiness (G)

AGB 452: Global Food and Agricultural Trade

AIS 180: Introduction to American Indian Studies (C)

AIS 320: American Indian Philosophies and World Views (HU & C)

AIS 480: Actualizing Decolonization (HU & C & G)

ASB 305: Poverty and Global Health ((L or SB) & G)

GCU 121: World Geography (SB & G)

- AGB 420: Food Advertising and Promotion
- AGB 425: Food Supply Networks
- AGB 435: Commodity Futures and Options Markets
- AGB 445: Food Retailing
- AGB 452: Global Food and Agricultural Trade
- AGB 456: Food Product Innovation and Development
- AGB 481: Strategic Pricing in Food Markets
- BUS 424: Sales and Negotiations
- BUS 434: Business Risk Management
- ENT 305: Principles of Entrepreneurship
- ENT 340: Creativity and Innovation (L or HU)
- ENT 360: Entrepreneurship and Value Creation
- FIS 308: Politics, Markets and Innovation (SB)
- MKT 300: Marketing and Business Performance
- MKT 390: Essentials of Marketing
- MKT 391: Essentials of Selling
- MKT 395: Essentials of Advertising and Marketing Communication
- MKT 435: Entrepreneurial Marketing
- NTR 343: Food Service Purchasing
- NTR 455: Retail Food Service Operations
- SOS 328: Sustainability and Enterprise
- SOS 385: Business and Sustainability I or SCM 385: Business and Sustainability I
- SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II
- STS 329: Technology in Developing Countries (SB & G)
- TDM 481: Sustainable Food Management in Tourism
- TEM 455: Global Impact Entrepreneurship

Policy & Governance

- AGB 414: Food and Agribusiness Policy Issues (L)
- EDP 310: Multicultural Issues (SB)
- HEP 102: Foundations of Health Education and Health Promotion
- NTR 343: Food Service Purchasing
- NTR 344: Nutrition Management and Leadership (L)
- NTR 445: Management of Food Service Systems
- OGL 200: Introduction to Organizational Leadership (SB)
- OGL 220: Behavioral Dynamics in Organizations (SB)
- OGL 260: Resource Allocation in Organizations
- OGL 355: Leading Organizational Innovation and Change
- SCN 209: Introduction to Environmental Education Project
- SCN 300: Foundations of Environmental Education
- SCN 301: Ecology and Natural History of the Sonoran Desert (SG)
- SCN 302: Environmental Education: A Global Perspective (L & G)
- TEL 111: Exploration of Education (SB)
- TEL 215: Introduction to Child and Adolescent Development (SB)
- TEL 405: History of Education and Policy Reform in the United States
- USL 210: Service Learning: Intro to Diverse Community Issues (L & C)
- USL 402: Service Learning: Education & Youth (C)

Public Health & Nutrition

- AGB 414: Food and Agribusiness Policy Issues (L)
- GCU 432: Geography of China (SB & G)
- JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G)
- JHR 484: Human Trafficking
- POS 160: Global Politics (SB & G)
- POS 240: Introduction to Southeast Asia ((HU or SB) & G)
- POS 260: Current Issues in International Politics ((L or SB) & G)
- POS 300: Contemporary Global Controversies (SB & G)
- POS 348: Do You Want to Build a Nation? (L)
- POS 367: World Politics and Global Inequalities (G)
- POS 454: Mexico (SB & G)
- POS 480: Global Justice (G)
- SGS 203: Contemporary Global Trends (SB & G)
- SOS 322: International Development and Sustainability
- SOS 456: Human Rights and Sustainability ((L or SB) & G)
- STS 329: Technology in Developing Countries (SB & G)
- STS 332: Global Issues in Science and Technology (SB)
- TEM 450: Design for the Developing World

AGB 452: Global Food and Agricultural Trade

JUS 214: The Pursuit of Justice in the 21st Century (SB)

PAF 201: Economics and Public Policy (SB)

PAF 340: Contemporary Policy Challenges

PAF 420: Managing Across Boundaries

POS 216: State and Local Government (SB)

POS 230: Current Issues in National Politics (L or SB)

POS 310: American National Government (SB)

POS 313: The Congress (SB)

POS 325: Public Policy Development (SB)

POS 333: Interest Groups (SB)

POS 417: Arizona Politics (SB)

POS 471: Constitutional Law I (SB)

POS 472: Constitutional Law II (SB)

POS 480: Global Justice (G)

SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and Sustainability

SOS 456: Human Rights and Sustainability ((L or SB) & G)

AGB 420: Food Advertising and Promotion

AGB 425: Food Supply Networks

ASB 100: Introduction to Global Health (SB & G)

ASB 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H)

ASB 305: Poverty and Global Health ((L or SB) & G)

ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)

BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

HCI 311: Health Innovation: Foundational Concepts

HCR 230: Culture and Health (C & G)

HSC 355: Eating for Lifelong Health (SB)

NTR 142: Applied Food Principles

NTR 320: History of Human Nutrition (H)

NTR 343: Food Service Purchasing

NTR 344: Nutrition Management and Leadership (L)

NTR 348: Cultural Aspects of Food (SB & C & G)

NTR 351: Nutrition Communication (L)

NTR 353: The Western Diet

NTR 445: Management of Food Service Systems

NTR 448: Community Nutrition (L)

NTR 450: Nutrition in the Life Cycle (SB)

NTR 455: Retail Food Service Operations

PBH 422: Health Disparities and Access to Health

POP 100: Introduction to Population Health

SOS 370: Ethics of Eating (L or SB)

**Notes:**

-

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sustainable Food Systems, BS

School/College: College of Global Futures
Location: Online, ASU Local
SUSFOSYSBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 191: Introduction to ASU & SOS for First Year Students OR SOS 201: Introduction to ASU and School of Sustainability for Transfer Students | 1 | C | • SOS 191 or college-specific equivalent First-Year Seminar is required of all first-year students<br>• SOS 201 required of all Sustainability transfer students |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SOS 111: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 22 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 110: Sustainable World (SB) | 3 | C | • Create a first draft resume. |
| SOS 211: Calculus and Probability for the Life and Social Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 22 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ) | 4 | C | |
| SOS 212: Systems, Dynamics and Sustainability | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Complete SOS 110 AND SOS 111 course(s). | | | |

| | | |
|---|---|---|
| Minimum 2.50 GPA in SOS and SFS. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 7 | |

| Term 3 - A 29 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 220: Systems Thinking | 3 | C | |
| NTR 241: Human Nutrition | 3 | C | |
| SFS 215: Fundamentals of Sustainable Food Systems (L) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 38 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| SFS 216: The Sustainable Plate | 3 | C | |
| Skills Elective | 3 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete SOS 211 AND SOS 212 course(s). | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 9 | | |

| Term 4 - A 47 - 55 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 231: Careers in Sustainability | 1 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement. |
| Second Language: Requirement satisfied through the following:<br>* Completion of language course(s) at the 102 level. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 8 | | |

| Term 4 - B 55 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 182: Water Planet (SQ) | 4 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of language course(s) at the 102 level. | 4 | C | |
| Complete SFS 215 AND SFS 216 course(s). | | | |
| Minimum 2.50 GPA in SOS and SFS. | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 8 | | |

| Term 5 - A 63 - 72 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 310: Equity, Justice and Sustainability | 3 | C | • Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area. |
| SOS 326: Sustainable Ecosystems | 3 | C | |
| Focus Area Course | 3 | C | |
| Term hours subtotal: | 9 | | |

- Schedule an appointment with a College of Global Futures Career Advisor to review your resume.

| Term 5 - B 72 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 311: Future Thinking and Strategies | 3 | C | |
| SOS 327: Sustainable Food and Farms | 3 | C | |
| Skills Elective | 3 | C | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 81 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Focus Area Course | 3 | C | • Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 3 | | • Begin exploring internship opportunities and start learning more about the capstone internship requirement. |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 96 - 103 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SFS 484: Capstone: Internship OR SOS 484: Capstone: Internship | 4 | B- | • Students will select one focus area and complete 12 credit hours of courses from that area. Students may also talk with their academic advisor to craft a unique focus area. |
| Upper Division Focus Area Course | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 7 - B 103 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 2 | | • Schedule an appointment with a College of Global Futures Career Advisor to discuss and refine your career search process. |
| Elective | 3 | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 5 | | |

| Term 8 - A 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SFS 498: Pro-Seminar (L) | 3 | B- | • Students will select one focus area and complete 12 credit hours of courses from that |
| Upper Division Focus Area Course | 3 | C | |

| | | | |
|---|---|---|---|
| Term hours subtotal: | 6 | | area. Students may also talk with their academic advisor to craft a unique focus area. |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| ★ Minimum 2.50 GPA in SOS and SFS. | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

- Students must select one of the following focus areas:
  - Procurement
  - Ecosystem Science
  - Business & Innovation
  - Educational Leadership
  - Global Engagement
  - Policy & Governance
  - Public Health & Nutrition
- Students must declare a focus area by the end of Term 4.

Hide Course List(s)/Track Group(s)

| Skills Electives |
|---|
| CIS 105: Computer Applications and Information Technology (CS) |
| CIS 300: Web Design and Development |
| COM 225: Public Speaking (L) |
| ECN 211: Macroeconomic Principles (SB) |
| ECN 212: Microeconomic Principles (SB) |
| ENG 216: Persuasive Writing on Public Issues (L) |
| GIS 205: Geographic Information Science I (CS) |
| GIS 211: Geographic Information Science II (CS) |
| MGT 430: Negotiations |
| SOS 232: Professional Skills in Sustainability Practice |

| Procurement |
|---|
| AGB 250: Economics of Resource Allocation: Food and Agriculture |
| AGB 425: Food Supply Networks |
| AGB 435: Commodity Futures and Options Markets |
| AGB 445: Food Retailing |
| AGB 456: Food Product Innovation and Development |
| AGB 481: Strategic Pricing in Food Markets |
| NTR 142: Applied Food Principles |
| NTR 343: Food Service Purchasing |
| NTR 344: Nutrition Management and Leadership (L) |
| NTR 445: Management of Food Service Systems |
| NTR 455: Retail Food Service Operations |
| SOS 328: Sustainability and Enterprise |
| SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II |

| Ecosystem Science |
|---|
| ABS 270: Sustainable Biological Systems |
| BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ) |
| BIO 108: Concepts in Plant Biology (SQ) |
| BIO 130: Introduction to Environmental Science (SQ) |
| BIO 182: General Biology II (SG) |
| BIO 304: Plants and Civilization (L) |
| BIO 320: Fundamentals of Ecology |
| BIO 322: Conservation of Biodiversity |
| PLB 302: Plants and Civilization (L) |
| SES 106: Habitable Worlds (SQ) |
| SOS 314: Basic Energy Science |

SOS 498: Interventions on Sustainable Consumption on Campus (L)

SOS 498: Sustainable Food Economy (L)

Business & Innovation (at least 2 courses must be from AGB, BUS, CIS, ECN, ENT, MGT, MKT or SCM)

AGB 250: Economics of Resource Allocation: Food and Agriculture

AGB 302: International Management and Agribusiness (G)

AGB 420: Food Advertising and Promotion

AGB 425: Food Supply Networks

AGB 435: Commodity Futures and Options Markets

AGB 445: Food Retailing

AGB 456: Food Product Innovation and Development

AGB 481: Strategic Pricing in Food Markets

ENT 360: Entrepreneurship and Value Creation

MKT 300: Marketing and Business Performance

MKT 390: Essentials of Marketing

MKT 391: Essentials of Selling

NTR 343: Food Service Purchasing

NTR 455: Retail Food Service Operations

SOS 328: Sustainability and Enterprise

SOS 385: Business and Sustainability I or SCM 385: Business and Sustainability I

SOS 485: Business and Sustainability II or SCM 485: Business and Sustainability II

STS 329: Technology in Developing Countries (SB & G)

TDM 481: Sustainable Food Management in Tourism

TEM 455: Global Impact Entrepreneurship

Policy & Governance

JUS 214: The Pursuit of Justice in the 21st Century (SB)

PAF 201: Economics and Public Policy (SB)

Educational Leadership

CDE 232: Human Development (SB)

ECD 220: Introduction to Nutrition, Health and Safety

EDP 310: Children and Poverty (SB)

EDP 310: Developing as a Leader (SB)

EDP 310: Educational Psychology for Non-Teachers (SB)

EDP 310: Motivation (SB)

EDP 310: Multicultural Issues (SB)

HEP 102: Foundations of Health Education and Health Promotion

NTR 343: Food Service Purchasing

NTR 344: Nutrition Management and Leadership (L)

NTR 445: Management of Food Service Systems

OGL 200: Introduction to Organizational Leadership (SB)

OGL 220: Behavioral Dynamics in Organizations (SB)

OGL 260: Resource Allocation in Organizations

OGL 355: Leading Organizational Innovation and Change

SCN 300: Foundations of Environmental Education

TEL 111: Exploration of Education (SB)

TEL 215: Introduction to Child and Adolescent Development (SB)

TEL 405: History of Education and Policy Reform in the United States

USL 210: Service Learning: Intro to Diverse Community Issues (L & C)

Public Health & Nutrition

AGB 420: Food Advertising and Promotion

AGB 425: Food Supply Networks

Global Engagement

AGB 302: International Management and Agribusiness (G)

ASB 305: Poverty and Global Health ((L or SB) & G)

GCU 121: World Geography (SB & G)

GCU 432: Geography of China (SB & G)

POS 160: Global Politics (SB & G)

POS 240: Introduction to Southeast Asia ((HU or SB) & G)

POS 260: Current Issues in International Politics ((L or SB) & G)

POS 300: Contemporary Global Controversies (SB & G)

POS 348: Do You Want to Build a Nation? (L)

SOS 322: International Development and Sustainability

STS 329: Technology in Developing Countries (SB & G)

STS 332: Global Issues in Science and Technology (SB)

TEM 450: Design for the Developing World

PAF 340: Contemporary Policy Challenges

PAF 420: Managing Across Boundaries

POS 216: State and Local Government (SB)

POS 310: American National Government (SB)

POS 313: The Congress (SB)

POS 325: Public Policy Development (SB)

POS 333: Interest Groups (SB)

POS 471: Constitutional Law I (SB)

POS 472: Constitutional Law II (SB)

SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and Sustainability

ASB 100: Introduction to Global Health (SB & G)

ASB 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H)

ASB 305: Poverty and Global Health ((L or SB) & G)

ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)

BIO 100: The Living World (SQ) or BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

HCI 311: Health Innovation: Foundational Concepts

HCR 230: Culture and Health (C & G)

HSC 355: Eating for Lifelong Health (SB)

NTR 142: Applied Food Principles

NTR 320: History of Human Nutrition (H)

NTR 343: Food Service Purchasing

NTR 344: Nutrition Management and Leadership (L)

NTR 348: Cultural Aspects of Food (SB & C & G)

NTR 351: Nutrition Communication (L)

NTR 353: The Western Diet

NTR 445: Management of Food Service Systems

NTR 450: Nutrition in the Life Cycle (SB)

NTR 455: Retail Food Service Operations

PBH 422: Health Disparities and Access to Health

POP 100: Introduction to Population Health

SOS 370: Ethics of Eating (L or SB)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Global Management - Internatl Business & Culture, BGM

School/College: Thunderbird School of Global Management
Location: West
TBTGMBGM

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 101: Principles of Global Management (G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Review the "ThunderGuide" located on your Canvas course page. See advisor for details.<br>• Create a first draft resume.<br>• Create your LinkedIn profile.<br>• Create your Handshake profile. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| TGM 191: First-Year Seminar | 1 | | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 204: Principles of Marketing for Global Organizations | 3 | C | • Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 200: Principles of Accounting for Global Organizations | 3 | C | • Develop your skills. |
| COM 225: Public Speaking (L) | 3 | C | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| STP 226: Elements of Statistics (CS) | 3 | C | • A minimum 2.50 ASU cumulative GPA is required to register for LES 305 in Term 5.<br>• Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major. |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 406: Moral Dilemmas (L or HU) | 3 | C | • Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major.<br>• Review the "ThunderGuide" Canvas course module titled "TGM 484 Internship Information".<br>• Work with your academic advisor to start planning your required internship experience in Term 7. |
| TGM 391: Global Business and Professional Development Skills | 1 | C | |
| TGM 468: States and Markets in a Global Economy (SB & G) | 3 | C | |
| ENG 301: Writing for the Professions (L) | 3 | C | |
| TGM 312: Big Data in the Global Economy | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 79 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 353: Regional Management Environment (G) | 3 | C | • Work with your academic advisor to start planning your required internship experience in Term 7.<br>• Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| TGM 300: Principles of Finance for Global Organizations | 3 | C | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 484: Internship | 3-6 | C | • An internship experience is required.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| TGM 487: Global Entrepreneurship | 3 | C | |
| TGM 489: Multinational Organizational Leadership | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| Term hours subtotal: | 14-17 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 478: Cross-Cultural Communication and Negotiation | 3 | C | • Apply for full-time career opportunities. |
| TGM 498: Pro-Seminar (L) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Global Management - Internatl Business & Culture, BGM

School/College: Thunderbird School of Global Management
Location: Online, ASU Local
TBTGMBGM

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 101: Principles of Global Management (G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Review the "ThunderGuide" located on your Canvas course page. See advisor for details.<br>• Create your Linkedin profile.<br>• Create your Handshake profile.<br>• Create a first draft resume. |
| ASU 101-ONL: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 22 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 204: Principles of Marketing for Global Organizations | 3 | C | • Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 22 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 31 - 37 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 225: Public Speaking (L) | 3 | C | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 200: Principles of Accounting for Global Organizations | 3 | C | • Develop your skills. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 53 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C | • Term 5 or Term 6 are preferred for study abroad. Meet with your advisor to plan for the best study abroad options for your major. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 312: Big Data in the Global Economy | 3 | C | • A minimum 2.50 ASU cumulative GPA is required to register for LES 305 in Term 5B. |
| ENG 301: Writing for the Professions (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) | 3 | C | • Review the "ThunderGuide" Canvas course module titled "TGM 484 Internship Information".<br>• Work with your academic advisor to start planning for your required international internship. |
| TGM 391: Global Business and Professional Development Skills | 1 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 76 - 85 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 353: Regional Management Environment (G) | 3 | C | |
| TGM 468: States and Markets in a Global Economy (SB & G) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 85 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 300: Principles of Finance for Global Organizations | 3 | C | • Work with your academic advisor to start planning for your required international internship. |
| TGM 487: Global Entrepreneurship | 3 | C | |

| | | | |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | • Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| | Term hours subtotal: | 6 | |

| Term 7 - A 91 - 97 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TGM 484: Internship | 3-6 | C | • An international internship experience is required. |
| Elective | 3 | | |
| Term hours subtotal: | 6-9 | | |

| Term 7 - B 97 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TGM 489: Multinational Organizational Leadership | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| Term hours subtotal: | 8 | | |

| Term 8 - A 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 478: Cross-Cultural Communication and Negotiation | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TGM 498: Pro-Seminar (L) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  • Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Global Management - Intl Business, Lang & Culture, BGM

School/College: Thunderbird School of Global Management
Location: West
TBTGMBGM

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 101: Principles of Global Management (G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Review the "ThunderGuide" located on your Canvas course page. See advisor for details.<br>• Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language; elective credits may require adjustment. See advisor.<br>• Create a first draft resume.<br>• Create your LinkedIn profile.<br>• Create your Handshake profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| CHI 101: First-Year Chinese I (G) OR SPA 101: Elementary Spanish I (G) | 4-5 | C | |
| TGM 191: First-Year Seminar | 1 | | |
| Term hours subtotal: | 14-15 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 204: Principles of Marketing for Global Organizations | 3 | C | • Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language; elective credits may require adjustment. See advisor.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| CHI 102: First-Year Chinese II (G) OR SPA 102: Elementary Spanish II (G) | 4-5 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16-17 | | |

| Term 3 30 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 200: Principles of Accounting for Global Organizations | 3 | C | • Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of |
| COM 225: Public Speaking (L) | 3 | C | |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| CHI 201: Second-Year Chinese I (G) OR SPA 201: Intermediate Spanish (G) | 4-5 | C | |

| | | | |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | program. Credit hours may vary depending on language; elective credits may require adjustment. See advisor.<br>• Develop your skills. |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 17-18 | | |

| Term 4 47 - 64 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STP 226: Elements of Statistics (CS) | 3 | C | • Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language; elective credits may require adjustment. See advisor.<br>• A minimum 2.50 ASU cumulative GPA is required to register for LES 305 in Term 5.<br>• Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major. |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| CHI 202: Second-Year Chinese II (G) OR SPA 202: Intermediate Spanish (G) | 4-5 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 17-18 | | |

| Term 5 64 - 80 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 406: Moral Dilemmas (L or HU) | 3 | C | • Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to discuss the best study abroad option for your major.<br>• Review the "ThunderGuide" Canvas course module titled "TGM 484 Internship Information".<br>• Work with your academic advisor to start planning your required internship experience in Term 7. |
| TGM 468: States and Markets in a Global Economy (SB & G) | 3 | C | |
| TGM 312: Big Data in the Global Economy | 3 | C | |
| TGM 391: Global Business and Professional Development Skills | 1 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 80 - 96 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 353: Regional Management Environment (G) | 3 | C | • Work with your academic advisor to start planning your required internship experience in Term 7.<br>• Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| TGM 300: Principles of Finance for Global Organizations | 3 | C | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| Elective | 2 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 96 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 484: Internship | 3-6 | C | • An internship experience is required.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| TGM 489: Multinational Organizational Leadership | 3 | C | |
| TGM 487: Global Entrepreneurship | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12-15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TGM 498: Pro-Seminar (L) | 3 | C | • Apply for full-time career opportunities. |
| TGM 478: Cross-Cultural Communication and Negotiation | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## International Trade, BS

School/College: Thunderbird School of Global Management
Location: West
TBINTRABS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 101: Principles of Global Management (G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Review the "ThunderGuide" located on your Canvas course page. See advisor for details.<br>• Create a first draft resume.<br>• Create your LinkedIn profile.<br>• Create your Handshake profile. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| TGM 191: First-Year Seminar | 1 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 204: Principles of Marketing for Global Organizations | 3 | C | • Join a student club or professional organization.<br>• Secure a part-time job or a volunteer experience. |
| COM 225: Public Speaking (L) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 200: Principles of Accounting for Global Organizations | 3 | C | • Develop your skills. |
| ECN 211: Macroeconomic Principles (SB) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 47 - 60 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| STP 226: Elements of Statistics (CS) | 3 | C | • Minimum 2.50 ASU cumulative GPA is required to register for LES 305 in Term 5.<br>• Term 5 or Term 6 is preferred for study abroad.Meet with your academic advisor to begin planning for the best study abroad options for your major. |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 13 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 406: Moral Dilemmas (L or HU) | 3 | C | • Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major.<br>• Review the "ThunderGuide"Canvas course moduletitled "TGM 484 Internship Information."<br>• Work with your academic advisor to start planning your required internship experience in Term 7. |
| TGM 468: States and Markets in a Global Economy (SB & G) | 3 | C | |
| ECN 306: Survey of International Economics (SB & G) | 3 | C | |
| TGM 310: Supply Chain Operations for Global Organizations | 3 | C | |
| TGM 312: Big Data in the Global Economy | 3 | C | |
| TGM 391: Global Business and Professional Development Skills | 1 | C | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 353: Regional Management Environment (G) | 3 | C | • Work with your academic advisor to start planning your required internship experience in Term 7.<br>• Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| TGM 300: Principles of Finance for Global Organizations | 3 | C | |
| TGM 430: International Trade and Regional Economic Agreements | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 484: Internship | 3-6 | C | • An internship experience is required.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| TGM 489: Multinational Organizational Leadership | 3 | C | |
| TGM 460: Global Risk Assessment and Management | 3 | C | |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14-17 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 498: Pro-Seminar (L) | 3 | C | • Apply for full-time career opportunities. |
| TGM 478: Cross-Cultural Communication and Negotiation | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## International Trade, BS

School/College: Thunderbird School of Global Management
Location: Online, ASU Local
TBINTRABS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 101: Principles of Global Management (G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Review the "ThunderGuide" located on your Canvas course page. See advisor for details.<br>• Create your Linkedin profile<br>• Create your Handshake profile<br>• Create a first draftresume |
| ASU 101-ONL: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | • View ASU Online first-year student registration information here<br>• Join a student club |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 22 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 204: Principles of Marketing for Global Organizations | 3 | C | • Secure apart-time joborvolunteer experience |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 22 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 31 - 40 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 225: Public Speaking (L) | 3 | C | |

| | | |
|---|---|---|
| ECN 211: Macroeconomic Principles (SB) | 3 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| Term hours subtotal: | 9 | |

| Term 3 - B 40 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 200: Principles of Accounting for Global Organizations | 3 | C | • Develop your skills |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 47 - 56 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STP 226: Elements of Statistics (CS) | 3 | C | |
| TGM 468: States and Markets in a Global Economy (SB & G) | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 56 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 212: Microeconomic Principles (SB) | 3 | C | • Term 5 or Term 6 are preferred for study abroad. Meet with your advisor to plan for the best study abroad options for your major. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 63 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 353: Regional Management Environment (G) | 3 | C | |
| TGM 310: Supply Chain Operations for Global Organizations | 3 | C | |
| TGM 312: Big Data in the Global Economy | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 72 - 79 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 391: Global Business and Professional Development Skills | 1 | C | • A minimum 2.50 cumulative ASU GPA is required to register for LES 305 in Term 6A.<br>• Review the "ThunderGuide"Canvas course moduletitled "TGM 484 Internship Information"<br>• Work with your academic advisor to start planning for your required international internship. |
| TGM 430: International Trade and Regional Economic Agreements | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 79 - 88 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) | 3 | C | |
| ECN 306: Survey of International Economics (SB & G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 88 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 300: Principles of Finance for Global Organizations | 3 | C | • Work with your academic advisor to start planning for your required international internship<br>• Research employment opportunities<br>• Complete an in person or virtual practice interview |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 94 - 100 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TGM 484: Internship | 3-6 | C | • An international internship experience is required. |
| TGM 460: Global Risk Assessment and Management | 3 | C | |
| Term hours subtotal: | 6-9 | | |

| Term 7 - B 100 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TGM 489: Multinational Organizational Leadership | 3 | C | • Gather professional references<br>• Apply for full-time career opportunities |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 106 - 115 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TGM 478: Cross-Cultural Communication and Negotiation | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 115 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TGM 498: Pro-Seminar (L) | 3 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 5 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- • Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- • Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Food and Nutrition Entrepreneurship), BAS

School/College: College of Health Solutions
Location: Downtown Phoenix
ECNTRBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NTR 100: Introduction to Nutrition Science OR NTR 241: Human Nutrition | 3 | C | • Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Develop your professional online presence. |
| Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended) | 3 | | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Any needed lower division General Studies requirement OR Elective ( NTR 290 recommended) | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 89 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NTR 343: Food Service Purchasing | 3 | C | |
| CIS 300: Web Design and Development | 3 | C | |
| NTR 348: Cultural Aspects of Food (SB & C & G) | 3 | C | |
| NTR 351: Nutrition Communication (L) | 3 | C | |
| Upper Division Elective | 2 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 89 - 104 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ NTR 455: Retail Food Service Operations | 3 | C | • Gather professional references |
| MKT 390: Essentials of Marketing OR MKT 391: Essentials of Selling OR MKT 395: Essentials of Advertising and Marketing Communication | 3 | C | |
| NTR 344: Nutrition Management and Leadership (L) | 3 | C | |
| NTR 345: Development of Healthy Cuisines | 3 | C | |
| NTR 448: Community Nutrition (L) | 3 | C | |
| Term hours subtotal: | 15 | | |

| **Term 8** 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NTR 445: Management of Food Service Systems | 4 | C | • Apply for full-time career opportunities |
| HSC 355: Eating for Lifelong Health (SB) OR NTR 450: Nutrition in the Life Cycle (SB) | 3 | C | |
| MGT 380: Management and Strategy for Nonmajors | 3 | C | |
| NTR Upper Division Elective | 3 | C | |
| Any needed lower division General Studies requirment OR Elective | 3 | | |
| Term hours subtotal: | 16 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - • Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- • Literacy and Critical Inquiry (L)
- • Mathematical Studies (MA)
- • Computer/Statistics/Quantitative Applications (CS)
- • Humanities, Arts and Design (HU)
- • Social-Behavioral Sciences (SB)
- • Natural Science - Quantitative (SQ)
- • Natural Science - General (SG)

General Studies Awareness Requirements:

- • Cultural Diversity in the U.S. (C)
- • Global Awareness (G)
- • Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Food and Nutrition Entrepreneurship), BAS

School/College: College of Health Solutions
Location: Online, ASU Local
ECNTRBAS

| **Applicable Community College Prerequisites 0 - 60 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| **Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ NTR 100: Introduction to Nutrition Science OR NTR 241: Human Nutrition | 3 | C | • Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Develop your professional online presence. |
| Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 5 - B 66 - 72 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:*<br>Any needed lower division General Studies requirement OR Elective ( NTR 290 recommended) | 6 | | |
| Term hours subtotal: | 6 | | |

| **Term 6 - A 72 - 77 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ NTR 343: Food Service Purchasing | 3 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 5 | | |

| **Term 6 - B 77 - 83 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CIS 300: Web Design and Development | 3 | C | |
| NTR 348: Cultural Aspects of Food (SB & C & G) | 3 | C | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 83 - 89 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 351: Nutrition Communication (L) | 3 | C | • Gather professional references |
| NTR 448: Community Nutrition (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 89 - 95 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NTR 455: Retail Food Service Operations | 3 | C | |
| MKT 390: Essentials of Marketing OR MKT 391: Essentials of Selling OR MKT 395: Essentials of Advertising and Marketing Communication | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 95 - 104 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NTR 344: Nutrition Management and Leadership (L) | 3 | C | |
| NTR 345: Development of Healthy Cuisines | 3 | C | |
| Any needed lower division General Studies requirment OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 104 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 445: Management of Food Service Systems | 4 | C | |
| NTR Upper Division Elective | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 9 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MGT 380: Management and Strategy for Nonmajors | 3 | C | • Apply for full-time career opportunities |
| HSC 355: Eating for Lifelong Health (SB) OR NTR 450: Nutrition in the Life Cycle (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Health Sciences), BAS

School/College: College of Health Solutions
Location: Downtown Phoenix, Polytechnic, West, ASU at Yavapai
NUHSCBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCD 330: Health Care Systems in the U.S. | 3 | C | • Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Develop your professional online presence. |
| HEP 100: Introduction to Health and Wellness (SB) OR EXW 302: Fundamentals of Wellness (L) | 3 | C | |
| HSC 300: Complementary Health Care | 3 | C | |
| HSC 310: Health Communication | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCD 303: Global Health Care Systems (G) | 3 | C | |
| ★ MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| HSC 412: Health Issues in Later Life | 3 | C | |
| HSC 432: Legal Issues in Health Care | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) | 3 | C | • Gather professional references. |
| CHS 340: Health Theory | 3 | C | |
| HCD 420: Population Health Management | 3 | C | |
| HSC 410: Supporting the Health of Older Adults | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ HCD 400: Interpreting the Scientific Literature | 3 | C | • Apply for full-time career opportunities. |
| MED 300: Historical and Contemporary Issues in Health (L) | 3 | C | |
| MED 417: Impact of Violence on Health | 3 | C | |
| MED 450: Leadership and Professionalism | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Health Sciences), BAS

School/College: College of Health Solutions
Location: Online, ASU Local
NUHSCBAS

| **Applicable Community College Prerequisites 0 - 60 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| **Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ HCD 330: Health Care Systems in the U.S. | 3 | C | • Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Develop your professional online presence. |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 5 - B 66 - 72 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ HSC 310: Health Communication | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 6 - A 72 - 78 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| HCD 303: Global Health Care Systems (G) | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 6 - B 78 - 84 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| HSC 412: Health Issues in Later Life | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |

★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

| Term 7 - A 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HEP 100: Introduction to Health and Wellness (SB) OR EXW 302: Fundamentals of Wellness (L) | 3 | C | • Gather professional references. |
| HSC 300: Complementary Health Care | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 90 - 96 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 410: Supporting the Health of Older Adults | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHS 340: Health Theory | 3 | C | |
| MED 300: Historical and Contemporary Issues in Health (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) | 3 | C | |
| HCD 400: Interpreting the Scientific Literature | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MED 450: Leadership and Professionalism | 3 | C | • Apply for full-time career opportunities. |
| HCD 420: Population Health Management | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 432: Legal Issues in Health Care | 3 | C | |
| MED 417: Impact of Violence on Health | 3 | C | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Medical Laboratory Science), BAS

School/College: College of Health Solutions
Location: Downtown Phoenix
NUMLSBAS

| Applicable Community College Prerequisites 0 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Transfer Degree Block | 90 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 90 | | |

| Term 5 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Computer/Statistics/Quantitative Applications (CS) | 3 | | • Develop your professional online presence |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 6 99 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MDL 410: Laboratory Leadership | 1 | C | |
| MDL 420: Advanced Clinical Urinalysis and Body Fluids | 2 | C | |
| MDL 430: Advanced Hematology and Hemostasis | 3 | C | |
| MDL 440: Advanced Immunohematology and Immunology | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Summer 6 108 - 112 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MDL 421: Advanced Practicum in Clinical Urinalysis and Body Fluids | 1 | C | |
| MDL 431: Advanced Practicum in Hematology and Hemostasis | 1 | C | |

| | | |
|---|---|---|
| MDL 441: Advanced Practicum in Immunohematology and Immunology | 2 | C |
| ★ Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 4 | |

| Term 7 112 - 118 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MDL 450: Advanced Clinical Microbiology | 3 | C | • Gather professional references |
| MDL 460: Advanced Clinical Chemistry | 3 | C | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 8 118 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MDL 451: Advanced Practicum: Clinical Microbiology | 1 | C | • Apply for full-time career opportunities |
| MDL 461: Advanced Practicum: Clinical Chemistry | 1 | C | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 2 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 90 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Biomedical Informatics, BS

School/College: College of Health Solutions
Location: Downtown Phoenix
ESBMIBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions majors take CHS 101 to fulfill this requirement.<br>• First-year students must take CHS 100; students who enter with more than 30 hours must take CHS 300 instead.<br>• Students who test into MAT 251 can take MAT 170 in Term 1 as a refresher or take an elective course instead. |
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Elective ( MAT 170 recommended) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BMI 110: Introduction to Python | 3 | C | • Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Research accelerated pathway to MS Biomedical Informatics.<br>• Join a student club or professional organization.<br>• Play me3@ASU to explore career interests. |
| BMI 201: Introduction to Clinical Informatics | 3 | C | |
| BIO 182: General Biology II (SG) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BMI 210: Data Structures and Algorithms in Python | 3 | C | • Explore research opportunities.<br>• Develop your skills. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| BMI 102: Introduction to Population Health Informatics | 3 | C | |
| MAT 243: Discrete Mathematical Structures | 3 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete MAT 251 course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BMI 221: Knowledge Representation for Biomedical Informatics | 3 | C | • Create a first draft resume.<br>• Explore an internship. |
| BMI 310: App Development for Clinical and Population Health | 3 | C | |
| BMI 211: Modeling Biomedical Decisions | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete BMI 102 AND BMI 201 course(s). | | | |
| Complete MAT 243 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | • Update your resume.<br>• Thinking about graduate school? Consider registering for a grad school test prep course. |
| BMI 311: Modeling Biomedical Knowledge | 3 | C | |
| BMI 440: Software Engineering for Biomedical Informatics | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BMI 312: Modeling Biomedical Data | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| BMI 330: Topics in Translational Bioinformatics | 3 | C | |
| BMI 410: Database Management in Health Care | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BMI 461: Advanced Topics in Biomedical Informatics I | 3 | C | • Students are recommended to take BMI 484: Internship, CHS 394: Peer Instructional Facilitator, CHS 484: Citizen Science in Health or CHS 494: Advanced Undergraduate TA for their upper division elective. Visit the CHS student website to learn more. |
| BMI 482: Capstone I (L) OR CHS 492: Honors Directed Study | 3 | C | |
| BMI 465: Introduction to Comparative Genomics | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective ( BMI 484 OR CHS 394 OR CHS 484 OR CHS 494 recommended) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BMI 404: Clinical Environments | 3 | C | • Apply for full-time career opportunities.<br>• BMI 483 and CHS 493 fulfill the college's experiential learning requirement. |
| BMI 483: Capstone II (L) OR CHS 493: Honors Thesis (L) | 3 | C | |

| | | |
|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | |
| *Complete 2 courses:*<br>Elective | 5 | |
| Term hours subtotal: | 14 | |

- Barrett Honors College students who take CHS 492 and CHS 493 will need a Literacy and Critical Inquiry (L) course in Term 8. Non-Barrett students who take BMI 482 and BMI 483 may take an elective course instead.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Clinical Exercise Science, BS

School/College: College of Health Solutions
Location: Downtown Phoenix
ECEXERBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• First-year students must enroll in CHS 100; students who enter with more than 30 credit hours may enroll in CHS 300 instead.<br>• Students interested in applying to Physical Therapy school or other graduate programs are recommended to take MAT 170.<br>• Join a student club or professional organization. |
| KIN 101: Introduction to Kinesiology | 3 | C | |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • Students interested in applying to Physical Therapy school or other graduate programs are recommended to take CHM 113 in term 2 and CHM 116 as an elective in a later term.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Explore 4+1 options in the major. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| EXW 215: Resistance Training and Recovery Techniques OR EXW 217: Cardiorespiratory and Flexibility Training | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • In order to be successful in upper division major coursework, a minimum 2.75 cumulative GPA is required.<br>• Students interested in applying to health professions graduate programs should utilize electives to fulfill prerequisite coursework. |
| EXW 215: Resistance Training and Recovery Techniques OR EXW 217: Cardiorespiratory and Flexibility Training | 3 | C | |
| HCD 300: Biostatistics (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | |

| | | |
|---|---|---|
| NTR 241: Human Nutrition | 3 | C |
| Elective | 3 | |
| Complete EXW 215 AND EXW 217 courses with a grade of "C" or better. | | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Minimum 2.75 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

- Secure a part-time job or volunteer experiences.
- Become a student member of a professional organization.

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade |
|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C |
| KIN 290: Introduction to Evidence-Based Practice (L) OR NTR 290: Introduction to Evidence-Based Research in Nutrition (L) | 3 | C |
| KIN 352: Psychosocial Aspects of Physical Activity (SB & C) | 3 | C |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Elective | 3 | |
| Minimum 2.75 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

- In order to be successful in upper division major coursework, a minimum 2.75 cumulative GPA is required.
- Research health professions graduate programs.

| Term 5 63 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| EXW 330: Kinesiological Foundations of Movement | 4 | C |
| KIN 340: Physiology of Exercise | 3 | C |
| EXW 344: Impact of Physical Activity on Health and Disease (L) | 3 | C |
| Upper Division Focus Area Elective | 3 | C |
| Elective | 3 | |
| Term hours subtotal: | 16 | |

- Students may select a Focus Area Elective from any combination of the focus area lists below.
- Graduate programs typically require a minimum 3.00 GPA for admission.
- Students interested in applying to health professions graduate programs should utilize electives to fulfill prerequisite coursework.
- Develop your professional online presence.

| Term 6 79 - 95 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| EXW 420: Exercise Testing | 4 | C |
| *Complete 2 courses:* Upper Division Focus Area Elective | 6 | C |
| Upper Division Elective | 3 | |
| Elective | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 16 | |

- Students may select Focus Area Electives from any combination of the focus area lists below.
- Thinking about graduate school? Consider registering for a grad school test prep course.
- Gather professional references.

| Term 7 95 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| EXW 427: Exercise Prescription for Cardiometabolic Health | 3 | C |
| KIN 447: ECG Interpretation | 3 | C |
| Upper Division Focus Area Elective | 3 | C |
| Upper Division Elective | 1 | |
| Elective | 3 | |

- Students may select a Focus Area Elective from any combination of the focus area lists below.
- Find an internship.
- Graduate programs typically require a minimum 3.00 GPA for admission.

| | | |
|---|---|---|
| Term hours subtotal: | 13 | |

- Students interested in applying to health professions graduate programs should utilize electives to fulfill prerequisite coursework.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EXW 484: Internship | 3 | C | • Students may select a Focus Area Elective from any combination of the focus area lists below.<br>• EXW 484 fulfills the college's experiential learning requirement.<br>• Apply for full-time career opportunities. |
| Upper Division Focus Area Elective | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- Students may select courses from any combination of the focus area lists to expand their knowledge in different areas. The lists are separated into several categories that span the field of exercise and health optimization. A total of 15 credit hours of focus area courses must be completed, all of which must be upper division.

Hide Course List(s)/Track Group(s)

| Exercise for Chronic and Neurological Conditions Focus Area |
|---|
| EXW 426: Exercise for Neuromuscular Conditions (L) |
| EXW 494: Exercise, Diet and Weight Control |
| HEP 410: Obesity Perspectives and Prescriptions |
| KIN 416: Low Back Pain: Muscles and Movement |
| KIN 442: Fuel Metabolism |
| KIN 443: Exercise Endocrinology (L) |
| KIN 444: Metabolic Adaptations to Exercise Training |
| PRM 453: Inclusive Community Sport |
| RTH 364: Foundations of Recreation Therapy (SB) |
| RTH 384: Recreational Therapy Practicum |

| Motor Control Focus Area |
|---|
| KIN 345: Motor Behavior |
| KIN 415: Theory of Corrective Exercise |
| KIN 421: Human Motor Control (L) |
| KIN 422: Motor Control in Special Populations (L) |
| KIN 424: Neural Aspects of Movement and Rehabilitation |

| Muscular Fitness and Performance Focus Area |
|---|
| EXW 425: Exercise Prescription for Health and Wellness |
| KIN 460: Theory of Strength Training (L) |
| KIN 465: Muscle Physiology |
| SSP 460: Resistance Training Application and Theory |
| SSP 461: Performance Programming Components and Periodization |

| Nutrition for Health and Performance Focus Area |
|---|
| HSC 355: Eating for Lifelong Health (SB) |
| NTR 345: Development of Healthy Cuisines |
| NTR 353: The Western Diet |
| NTR 457: Sports Nutrition |
| NTR 448: Community Nutrition (L) |

| Physical Activity Psychology Focus Area |
|---|
| EXW 400: Stress Management for Wellness |
| KIN 348: Psychological Skills for Optimal Performance (SB) |
| KIN 450: Biopsychosocial Perspectives on Physical Activity and Health |
| KIN 452: Exercise Psychology (SB) |

| Experiential Learning Course |
|---|
| CHS 394: CHS Peer Instructional Facilitator |
| CHS 400: Adaptive Exercise Program Practical Experience |
| CHS 484: Applied Health Experience |
| CHS 484: Citizen Science in Health |
| CHS 484: Translational Research |

NTR 450: Nutrition in the Life Cycle (SB)

KIN 454: Motivational Theory in Exercise and Health

CHS 492: Honors Directed Study

CHS 493: Honors Thesis (L)

CHS 494: Advanced Undergraduate Teaching Assistant

CHS 494: Undergraduate Research

HCR 471: Interprofessional Education and Community Health

MED 494: Introduction To Clinical Healthcare

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Dietetics, BS

School/College: College of Health Solutions
Location: Downtown Phoenix
NHDIETCSBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• Minimum grade of C required in all Didactic Program in Dietetics (DPD) courses.<br>• In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a minimum ASU cumulative GPA of 3.50.<br>• First-year students must take CHS 100; students who enter with more than 30 hours must take CHS 300 instead. |
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| NTR 150: Introduction to the Professions in Nutrition and Dietetics | 1 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 241: Human Nutrition | 3 | C | • Join a student club or professional organization.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a minimum ASU cumulative GPA of 3.50.<br>• Develop your skills. |
| NTR 142: Applied Food Principles | 3 | C | |
| HCD 300: Biostatistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Minimum 3.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Secure a part-time job or volunteer experience.<br>• Use Handshake to research employment opportunities. |
| CHS 260: Health Professions Terminology | 3 | C | |
| NTR 290: Introduction to Evidence-Based Research in Nutrition (L) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 4 | C | • In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a minimum ASU cumulative GPA of 3.50.<br>• Develop your professional online presence. |
| NTR 341: Medical Nutrition Therapy I | 3 | C | |
| NTR 343: Food Service Purchasing | 3 | C | |
| NTR 351: Nutrition Communication (L) | 3 | C | |
| Elective | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 361: Advanced Principles of Biochemistry | 3 | C | • Use Handshake to research employment opportunities. |
| NTR 344: Nutrition Management and Leadership (L) | 3 | C | |
| NTR 350: Nutrition Counseling | 3 | C | |
| NTR 444: Medical Nutrition Therapy II | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 400: Preprofessional Preparation in Dietetics | 1 | C | • In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a minimum ASU cumulative GPA of 3.50.<br>• Gather professional references. |
| NTR 441: Advanced Human Nutrition II | 3 | C | |
| NTR 446: Medical Nutrition Therapy III | 4 | C | |
| NTR 450: Nutrition in the Life Cycle (SB) | 3 | C | |
| Elective | 2 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 13 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NTR 440: Advanced Human Nutrition I | 3 | C | • Apply for full time career opportunities.<br>• NTR 445 and NTR 448 fulfill the college's experiential learning requirement. |
| ★ NTR 445: Management of Food Service Systems | 4 | C | |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | |
| NTR 448: Community Nutrition (L) | 3 | C | |
| Term hours subtotal: | 14 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Effective January 1, 2024, the Commission on Dietetic Registration (CDR) will require a minimum of a master's degree in any field of study to be eligible to take the credentialing exam to become a registered dietitian nutritionist (RDN). In addition, CDR requires that individuals complete coursework and supervised practice in program(s) accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). In most states, graduates also must obtain licensure or certification to practice.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Food and Nutrition Entrepreneurship, BS

School/College: College of Health Solutions
Location: Downtown Phoenix
NHFNUENBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• First-year students must take CHS 100; students who enter with more than 30 hours must take CHS 300 instead.<br>• Consider your personal and career interests to choose a Focus Area from the lists below. Select coursework from that Focus Area as directed in future terms.<br>• Students following the Pre Dietetics Focus Area should take MAT 117 for the Math (MA) requirement. |
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NTR 150: Introduction to the Professions in Nutrition and Dietetics | 1 | C | |
| MAT course (MA) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | • First year students should take STP 226; students who enter with more than 30 hours should take HCD 300.<br>• Students following the Pre Dietetics Focus Area should take PSY 101 as their elective.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Join a student club or professional organization. |
| NTR 241: Human Nutrition | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HSC 210: Cultural Aspects of Health (C) | 3 | C | |
| Elective ( PSY 101 OR SOC 101 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Select a Focus Area Course from the appropriate list below.<br>• Students following the Pre Dietetics Focus Area should take BIO 201, and also take CHS 260 for the Focus Area course. |
| NTR 142: Applied Food Principles | 3 | C | |
| Focus Area Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |

| | | | |
|---|---|---|---|
| Elective | 3 | | • Students following the Community Nutrition Focus Area should take BIO 201.<br>• Students following the Food Service Operations Focus Area should take BIO 160.<br>• Develop your skills. |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | • Students following the Pre Dietetics Focus Area should take BIO 202 and NTR 341.<br>• Students following the Community Nutrition Focus Area should take BIO 202 and NTR 345.<br>• Students following the Food Service Operations Focus Area should take MIC 205/206 and NTR 345.<br>• Secure a part-time job or volunteer experience. |
| NTR 290: Introduction to Evidence-Based Research in Nutrition (L) | 3 | C | |
| NTR 341: Medical Nutrition Therapy I OR NTR 345: Development of Healthy Cuisines | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 351: Nutrition Communication (L) | 3 | C | • Students following the Pre Dietetics Focus Area should take CHM 231/235 for the Focus Area Course.<br>• Develop your professional online presence. |
| MKT 390: Essentials of Marketing OR MKT 391: Essentials of Selling OR MKT 395: Essentials of Advertising and Marketing Communication | 3 | C | |
| NTR 348: Cultural Aspects of Food (SB & C & G) | 3 | C | |
| Focus Area Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 77 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 355: Eating for Lifelong Health (SB) OR NTR 450: Nutrition in the Life Cycle (SB) | 3 | C | • Select a Focus Area Course from the appropriate list below.<br>• Students following the Pre Dietetics Focus Area should take NTR 450, and also take BCH 361 for the Focus Area Course.<br>• Use Handshake to research employment opportunities. |
| NTR 350: Nutrition Counseling | 3 | C | |
| Focus Area Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 344: Nutrition Management and Leadership (L) | 3 | C | • Select Focus Area Courses from the appropriate list below.<br>• Students following the Pre Dietetics Focus Area should take MIC 205/206 and NTR 343 for the Focus Area Courses.<br>• Gather professional references. |
| NTR 402: Preprofessional Prep in Nutrition Careers | 1 | C | |
| *Complete 2 courses:*<br>Upper Division Focus Area Course | 6 | C | |
| Upper Division Elective OR CHS 484: Internship | 3 | | |
| Term hours subtotal: | 13 | | |

| | | Minimum | |
|---|---|---|---|

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ NTR 448: Community Nutrition (L) | 3 | C | • NTR 448 fulfills the college's experiential learning requirement.<br>• Select a Focus Area Course from the appropriate list below.<br>• Students following the Pre Dietetics Focus Area should take NTR 445 for the Focus Area Course.<br>• Apply for full-time career opportunities. |
| Upper Division Focus Area Course | 3 | C | |
| Upper Division Elective | 2 | | |
| *Complete 2 courses:* Elective | 7 | | |
| Term hours subtotal: | 15 | | |

- • Students should select and follow a Focus Area to complete a total of 18 credit hours, at least nine of which must be upper division. The selected focus area will allow students to move confidently into a career or a Graduate Program in Dietetics.
  • Students following the Pre Dietetics Focus Area will be eligible to apply to a Graduate Program in Dietetics which integrates the required coursework and experiential learning to prepare students for the Registered Dietitian (RD) exam. Upon passing the RD Exam, graduates can work as Registered Dietitian Nutritionists (RDN).Â For more information about institutions that offer a Graduate Program in Dietetics, please visit:Â https://www.eatrightpro.org/acend/accredited-programs/accredited-programs-directory and search for *Graduate Programs* which are available in several states and online.Â
  • The Pre Dietetics Focus Area requires both BIO 202 and MIC 205/206. BIO 202 should be completed before MIC 205/206. Students should follow term notes with course suggestions.

Hide Course List(s)/Track Group(s)

| Community Nutrition Focus Area | Pre Dietetics Focus Area | Food Service Operations Focus Area |
|---|---|---|
| CHS 340: Health Theory | BCH 361: Advanced Principles of Biochemistry | AGB 215: Fundamentals of Sustainable Food Systems (L) or SFS 215: Fundamentals of Sustainable Food Systems (L) or SOS 215: Fundamentals of Sustainable Food Systems (L) |
| EDS 301: Sustainable Community Design and Practices (HU) | CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) | AGB 425: Food Supply Networks |
| EXW 446: Worksite Wellness | CHS 260: Health Professions Terminology | AGB 445: Food Retailing |
| HCD 332: Population Health Policy and Legislation | BIO 202: Human Anatomy and Physiology II (SG) or MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | AGB 456: Food Product Innovation and Development |
| HCR 231: Fundamentals of Community Health | NTR 343: Food Service Purchasing | CIS 105: Computer Applications and Information Technology (CS) |
| HCR 335: Program Development and Management for Community Health | NTR 445: Management of Food Service Systems | HCR 494: Food Safety and Protection |
| HEP 102: Foundations of Health Education and Health Promotion | | MGT 380: Management and Strategy for Nonmajors |
| HEP 348: Methods of Health Education | | NTR 343: Food Service Purchasing |
| HEP 380: Body Image and Wellness | | NTR 353: The Western Diet |
| HEP 444: Epidemiology | | NTR 360: Nutrition Entrepreneurship |
| HEP 452: Health Advocacy in Health Education | | NTR 445: Management of Food Service Systems |
| NTR 453: Nutrition and the Media | | NTR 455: Retail Food Service Operations |

PBH 422: Health Disparities and Access to Health

PBH 435: Environmental and Occupational Health

POP 100: Introduction to Population Health

SOS 327: Sustainable Food and Farms

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Food and Nutrition Entrepreneurship, BS

School/College: College of Health Solutions
Location: Online, ASU Local
NHFNUENBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT course (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) | 4 | C | • First-year students must take CHS 100; students who enter with more than 30 hours must take CHS 300 instead.<br>• View ASU Online first-year student registration information here.<br>• Consider your personal and career interests to choose a Focus Area from the lists below. Select coursework from that Focus Area as directed in future terms. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| NTR 150: Introduction to the Professions in Nutrition and Dietetics | 1 | C | |
| Term hours subtotal: | 8 | | |

| Term 2 - A 15 - 22 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Students following the Pre Dietetics Focus Area and the Community Nutrition Focus Area should take BIO 201.<br>• Students following the Food Service Operations Focus Area should take BIO 160.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 22 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | • Students following the Pre Dietetics Focus Area and the Community Nutrition Focus Area should take BIO 202 and PSY 101. |
| Elective ( PSY 101 OR SOC 101 recommended) | 3 | | |

| | | |
|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 7 | |

- Students following the Food Service Operations Focus Area should take MIC 205/206.
- Join a student club or professional organization.

| Term 3 - A 29 - 35 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | |
| NTR 241: Human Nutrition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 35 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 142: Applied Food Principles | 3 | C | • Develop your skills. |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 41 - 50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 210: Cultural Aspects of Health (C) | 3 | C | • Select Focus Area Course from the appropriate list below.<br>• Students following the Pre Dietetics Focus Area should take CHS 260 as their focus area course.<br>• Students following the Pre-Dietetics Focus Area should also begin planning for in person CHM 235 laboratory attendance in the summer. Speak to your academic advisor for more information. |
| NTR 290: Introduction to Evidence-Based Research in Nutrition (L) | 3 | C | |
| Focus Area Course | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 50 - 56 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 341: Medical Nutrition Therapy I OR NTR 345: Development of Healthy Cuisines | 3 | C | • Students following the Pre Dietetics Focus Area should take NTR 341.<br>• Students following the Community Nutrition Focus Area and the Food Service Operations Focus Area should take NTR 345.<br>• Secure a part-time job or volunteer experience. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 56 - 62 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 351: Nutrition Communication (L) | 3 | C | • Select Focus Area Course from the appropriate list below.<br>• Students following the Pre Dietetics Focus Area should take CHM 231/235 for the Focus Area course. Students will complete all experiments for the CHM 235 Elementary Organic Chemistry Lab in person at an ASU campus during a |
| Focus Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. Connect with your academic advisor for more information.

| Term 5 - B 62 - 68 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MKT 390: Essentials of Marketing OR MKT 391: Essentials of Selling OR MKT 395: Essentials of Advertising and Marketing Communication | 3 | C | • Develop your professional online presence. |
| NTR 348: Cultural Aspects of Food (SB & C & G) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 68 - 74 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Focus Area Course | 3 | C | • Select a focus area course from the appropriate list below.<br>• Students following the Pre Dietetics Focus Area should take BCH 361 for the Focus Area course. |
| NTR 350: Nutrition Counseling | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 74 - 80 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HSC 355: Eating for Lifelong Health (SB) OR NTR 450: Nutrition in the Life Cycle (SB) | 3 | C | • Students following the Pre Dietetics Focus Area should take NTR 450.<br>• Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 80 - 86 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NTR 344: Nutrition Management and Leadership (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 86 - 92 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Focus Area Course | 3 | C | • Select a focus area course from the appropriate list below.<br>• Students following the Pre Dietetics Focus Area should take MIC 205/206 for the Focus Area course.<br>• Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 92 - 98 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NTR 448: Community Nutrition (L) | 3 | C | • NTR 448 fulfills the college's experiential learning requirement. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 98 - 104 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Focus Area Course | 3 | C | |

| | | |
|---|---|---|
| Upper Division Elective | 3 | |
| Term hours subtotal: | 6 | |

- Select a focus area course from the appropriate list below.
- Students following the Pre Dietetics Focus Area should take NTR 343 for the Focus Area course.

| Term 9 - A 104 - 110 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NTR 402: Preprofessional Prep in Nutrition Careers | 1 | C | |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 110 - 116 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Focus Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Select a focus area course from the appropriate list below.
- Students following the Pre Dietetics Focus Area should take NTR 445 for the Focus Area course.

| Term 10 - A 116 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Elective | 4 | | |
| Term hours subtotal: | 4 | | |

- Apply for full-time career opportunities.

- 
  - Students should select and follow a Focus Area to complete a total of 18 credit hours, at least nine of which must be upper division. The selected focus area will allow students to move confidently into a career or a Graduate Program in Dietetics.
  - Students following the Pre Dietetics Focus Area will be eligible to apply to a Graduate Program in Dietetics which integrates the required coursework and experiential learning to prepare students for the Registered Dietitian (RD) exam. Upon passing the RD Exam, graduates can work as Registered Dietitian Nutritionists (RDN). For more information about institutions that offer a Graduate Program in Dietetics, please visit: https://www.eatrightpro.org/acend/accredited-programs/accredited-programs-directory and search for *Graduate Programs* which are available in several states and online.
  - The Pre Dietetics Focus Area requires both BIO 202 and MIC 205/206. BIO 202 should be completed before MIC 205/206. Students should follow term notes with course suggestions.
  - For students following the Pre Dietetics Focus Area, the CHM 235 Elementary Organic Chemistry Laboratory is only offered in-person at a university campus location. This laboratory course will be offered during summer which may impact your financial aid. Learn more about summer financial aid and additional ways to cover summer costs. Students also have the option to complete the laboratory at a local institution. Visit the Transfer Credit Guide to find equivalent courses near you and consult with your academic advisor.

Hide Course List(s)/Track Group(s)

| Community Nutrition Focus Area | Pre Dietetics Focus Area | Food Service Operations Focus Area |
|---|---|---|
| CHS 340: Health Theory | BCH 361: Advanced Principles of Biochemistry | AGB 215: Fundamentals of Sustainable Food Systems (L) or SFS 215: Fundamentals of |
| EXW 446: Worksite Wellness | | |

HCD 332: Population Health Policy and Legislation

HCR 231: Fundamentals of Community Health

HCR 335: Program Development and Management for Community Health

HEP 102: Foundations of Health Education and Health Promotion

HEP 348: Methods of Health Education

HEP 380: Body Image and Wellness

HEP 444: Epidemiology

HEP 452: Health Advocacy in Health Education

NTR 453: Nutrition and the Media

PBH 422: Health Disparities and Access to Health

PBH 435: Environmental and Occupational Health

POP 100: Introduction to Population Health

CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)

CHS 260: Health Professions Terminology

BIO 202: Human Anatomy and Physiology II (SG) or MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)

NTR 343: Food Service Purchasing

NTR 445: Management of Food Service Systems

Sustainable Food Systems (L) or SOS 215: Fundamentals of Sustainable Food Systems (L)

AGB 425: Food Supply Networks

AGB 445: Food Retailing

AGB 456: Food Product Innovation and Development

CIS 105: Computer Applications and Information Technology (CS)

HCR 494: Food Safety and Protection

MGT 380: Management and Strategy for Nonmajors

NTR 343: Food Service Purchasing

NTR 353: The Western Diet

NTR 360: Nutrition Entrepreneurship

NTR 445: Management of Food Service Systems

NTR 455: Retail Food Service Operations

SOS 327: Sustainable Food and Farms

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Care Administration and Policy, BS

School/College: College of Health Solutions
Location: Downtown Phoenix
NHHCDBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• Select your career interest communities and play me3@ASU.<br>• First-year students must complete CHS 100; students who enter with more than 30 hours should complete CHS 300. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POP 100: Introduction to Population Health | 3 | C | • Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Join a student club or professional organization.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | |
| PHI 105: Intro to Ethics (HU) | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective ( CIS 105 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 210: Cultural Aspects of Health (C) | 3 | C | • Develop your skills. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 3 courses:*<br>Elective ( ACC 231 OR HSE 101 OR LAW 210 OR OGL 200 recommended) | 9 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| HCD 201: Economics for Health Majors | 3 | C | • Explore an internship. |
| HCD 330: Health Care Systems in the U.S. | 3 | C | |
| SOC 101: Introductory Sociology (SB) | 3 | C | |
| *Complete 2 courses:*<br>Elective ( SOC 270 recommended) | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) | 3 | C | • Update your resume. |
| HCD 302: Health Care Management | 3 | C | |
| HSC 310: Health Communication | 3 | C | |
| MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 303: Global Health Care Systems (G) | 3 | C | • Select a Health Administration and Policy Course from the list below.<br>• All CHS students must complete a minimum of three credits of experiential learning. Select a course from the list below to take in Term 7 and visit the CHS student website for more information on opportunities, including research and internships, specific to your major.<br>• Students must have a minimum 2.00 ASU cumulative GPA to enroll in HCD 484: Internship. |
| HCD 304: Health Care Finance | 3 | C | |
| HCD 332: Population Health Policy and Legislation | 3 | C | |
| HSC 432: Legal Issues in Health Care | 3 | C | |
| Health Administration and Policy Course | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 402: Health Economics | 3 | C | • Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major.<br>• Use Handshake to research employment opportunities. |
| HCD 403: Process Engineering | 3 | C | |
| HCD 420: Population Health Management | 3 | C | |
| MED 450: Leadership and Professionalism | 3 | C | |
| Experiential Learning Course | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 404: Advanced Concepts in the Science of Health Care Delivery | 3 | C | • Select a Health Administration and Policy Course from the list below.<br>• Complete an in person or virtual practice interview.<br>• Apply for full-time career opportunities. |
| MED 300: Historical and Contemporary Issues in Health (L) | 3 | C | |
| PBH 422: Health Disparities and Access to Health | 3 | C | |
| Health Administration and Policy Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- CHS students are required to complete a minimum of three credits of experiential learning coursework. A list of recommended courses is below. The CHS student website also has up to date information on opportunities to fulfill this requirement, including research and internships, that are relevant to each major. Students should contact their academic advisor with any questions.

Hide Course List(s)/Track Group(s)

| Health Administration and Policy Course |
|---|
| ASB 376: Global Health Policy |
| HCD 400: Interpreting the Scientific Literature |
| HCI 421: Health Care Policy: The Innovator's View |
| HSC 300: Complementary Health Care |
| MED 394: Healthcare and Humanities |
| MED 417: Impact of Violence on Health |
| MGT 380: Management and Strategy for Nonmajors |
| MGT 420: Human Resource Management |
| OGL 300: Theory and Practice of Leadership |
| PBH 410: Public Mental Health |
| PMG 320: Foundations of Project Management |
| SCM 494: Healthcare Supply Chain Management |

| Experiential Learning Course |
|---|
| The following courses are the most relevant for your major, but other options may be possible. See your advisor. |
| CHS 280: Experiential Community Health and Research |
| CHS 394: CHS Peer Instructional Facilitator |
| CHS 484: Applied Health Experience |
| CHS 484: Citizen Science in Health |
| CHS 484: Translational Research |
| CHS 493: Honors Thesis (L) |
| CHS 494: Advanced Undergraduate Teaching Assistant |
| CHS 494: Undergraduate Research |
| HCD 484: Internship |
| HCR 471: Interprofessional Education and Community Health |
| MED 325: Elements of Hospice and Palliative Care |
| MED 375: Alzheimer's and Other Dementias (SB) |
| MED 475: Palliative Care: Managing Complex Serious Illness |
| MED 494: Introduction To Clinical Healthcare |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120 **General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Care Administration and Policy, BS

School/College: College of Health Solutions
Location: Online, ASU Local
NHHCDBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• Select your career interest communities and play me3@ASU.<br>• First-year students must complete CHS 100; students who enter with more than 30 hours should complete CHS 300. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POP 100: Introduction to Population Health | 3 | C | • Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 105: Intro to Ethics (HU) | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 210: Cultural Aspects of Health (C) | 3 | C | |

| | | | |
|---|---|---|---|
| Elective ( CIS 105 recommended) | 3 | | • Join a student club or professional organization. |
| Term hours subtotal: | 6 | | |

| Term 3 - B 33 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:*<br>Elective ( ACC 231 OR HSE 101 OR OGL 200 recommended) | 9 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 9 | | |

| Term 4 - A 42 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 201: Economics for Health Majors | 3 | C | • Create a first draft resume. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 48 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 330: Health Care Systems in the U.S. | 3 | C | |
| SOC 101: Introductory Sociology (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 54 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) | 3 | C | • Develop your skills. |
| Elective ( LAW 210 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 60 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 302: Health Care Management | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 66 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 304: Health Care Finance | 3 | C | • Explore an internship. |
| MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 303: Global Health Care Systems (G) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 332: Population Health Policy and Legislation | 3 | C | • Update your resume. |
| HSC 310: Health Communication | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 420: Population Health Management | 3 | C | |
| MED 300: Historical and Contemporary Issues in Health (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCD 402: Health Economics | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| HSC 432: Legal Issues in Health Care | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MED 450: Leadership and Professionalism | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCD 403: Process Engineering | 3 | C | • Select a Health Administration and Policy Course from the list below.<br>• All CHS students must complete a minimum of three credits of experiential learning. Select a course from the list below to take in Term 10A and visit the CHS student website for more information on opportunities, including research and internships, specific to your major. |
| Health Administration and Policy Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 404: Advanced Concepts in the Science of Health Care Delivery | 3 | C | |
| PBH 422: Health Disparities and Access to Health | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Experiential Learning Course | 3 | C | • Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major.<br>• Select a Health Administration and Policy Course from the list below.<br>• Apply for full-time career opportunities. |
| Health Administration and Policy Course | 3 | C | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| Health Administration and Policy Course | Experiential Learning Course |
|---|---|
| HCD 400: Interpreting the Scientific Literature | |

| | |
|---|---|
| HCI 421: Health Care Policy: The Innovator's View | The following courses are the most relevant for your major, but other options may be possible. See your advisor. |
| HSC 300: Complementary Health Care | CHS 280: Experiential Community Health and Research |
| MED 417: Impact of Violence on Health | CHS 394: CHS Peer Instructional Facilitator |
| MGT 380: Management and Strategy for Nonmajors | CHS 484: Applied Health Experience |
| MGT 420: Human Resource Management | CHS 484: Citizen Science in Health |
| OGL 300: Theory and Practice of Leadership | CHS 484: Translational Research |
| PBH 410: Public Mental Health | CHS 494: Advanced Undergraduate Teaching Assistant |
| PMG 320: Foundations of Project Management | CHS 494: Undergraduate Research |
| | HCD 484: Internship |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Education and Health Promotion, BS

School/College: College of Health Solutions
Location: Downtown Phoenix
NHHEHPBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• First-year students must take CHS 100; students who enter with more than 30 hours must take CHS 300 instead.<br>• Students who plan to apply to a graduate program after graduation may wish to take a higher level math than is required for this degree. If the student decides to do so, but tests into MAT 117 in term 1, an elective later in the program may be used to take a higher level math. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HEP 102: Foundations of Health Education and Health Promotion | 3 | C | |
| MAT course (MA) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEHP Major Elective | 3 | C | • Students who enter the major with fewer than 45 hours must take HEP 100; those who enter with at least 45 hours may take EXW 302.<br>• Visit the CHS Student Site for resources, appointment scheduling, internship information, etc<br>• Join a student club or professional organization.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HEP 100: Introduction to Health and Wellness (SB) OR EXW 302: Fundamentals of Wellness (L) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 160: Introduction to Anatomy and Physiology (SQ) | 4 | C | • Develop your skills.<br>• Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate program should take BIO 201 in Term 3 instead |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |

| | | | |
|---|---|---|---|
| Complete HEP 102 course with a grade of "C" or better. | | | of BIO 160, and BIO 202 in Term 4 instead of an elective. |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 340: Health Theory | 3 | C | • Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate program should take CHM 113. They should also take BIO 201 in Term 3 instead of BIO 160, and BIO 202 in Term 4 instead of an elective. |
| CHM 107: Chemistry and Society (SQ) AND CHM 108: Chemistry and Society Laboratory (SQ) OR CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR BIO 181: General Biology I (SQ) | 4 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | • Select an HEHP major elective from the list below.<br>• HEP 386 fulfills the college's experiential learning requirement.<br>• Develop your professional online presence. |
| HEP 348: Methods of Health Education | 3 | C | |
| HEP 386: Assessing Strengths and Needs for Health Education and Promotion | 3 | C | |
| NTR 100: Introduction to Nutrition Science OR NTR 241: Human Nutrition | 3 | C | |
| HEHP Major Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEP 454: Health Promotion Program Planning and Implementation (L) | 3 | C | • Complete an in person or virtual practice interview.<br>• Visit the CHS student website to learn more about internship opportunities. |
| HEP 444: Epidemiology | 3 | C | |
| HEP 452: Health Advocacy in Health Education | 3 | C | |
| HEP 466: Health Promotion Program Management and Administration | 3 | C | |
| Upper Division Elective OR CHS 484: Internship OR HEP 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division HEHP Major Elective | 3 | C | • Choose a track in either Clinical Health Education Specialist or Community Health Education Specialist and select a course from the appropriate track list below.<br>• Select an upper division HEHP major elective from the list below.<br>• Courses used to count toward a track cannot be used as an HEHP major elective. |
| EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) | 3 | C | |
| Track Course | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- Apply for full-time career opportunities.

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HEP 476: Community Health | 3 | C | • Students should follow the same track list they chose from in Term 7.<br>• Courses used to count toward a track cannot be used as an HEHP major elective. |
| HEP 490: CHES Exam Preparation | 1 | C | |
| *Complete 2 courses:*<br>Upper Division Track Course | 6 | C | |
| Upper Division Elective | 2 | | |
| Elective | 2 | | |
| Term hours subtotal: | 14 | | |

- Courses used to count toward a track cannot be used as an HEHP major elective.

Hide Course List(s)/Track Group(s)

| HEHP Major Electives | Clinical Health Education Specialist Track | Community Health Education Specialist Track |
|---|---|---|
| CHS 484: Internship | HEP 371: Conflict Management and Mediation and Violence Prevention or HEP 443: Emotional Health and Interpersonal Relationships | HEP 303: Human Sexuality for Health Education |
| EXW 335: Physical Activity and Physiological Concepts | HEP 394: Diabetes Prevention & Management | HEP 361: Digital Health Communication and Education |
| EXW 344: Impact of Physical Activity on Health and Disease (L) | HEP 251: Preventing HIV and Substance Misuse or HEP 394: Health Advocacy for Special Populations | HEP 394: Health and Climate Change |
| EXW 400: Stress Management for Wellness | | |
| HEP 241: Health Education Methods for Injury Prevention and Preparedness | | |
| HEP 251: Preventing HIV and Substance Misuse | | |
| HEP 303: Human Sexuality for Health Education | | |
| HEP 350: Substance Use and Addictive Behaviors | | |
| HEP 361: Digital Health Communication and Education | | |
| HEP 371: Conflict Management and Mediation and Violence Prevention | | |
| HEP 380: Body Image and Wellness | | |
| HEP 394: Diabetes Prevention & Management | | |
| HEP 394: Health Advocacy for Special Populations | | |
| HEP 394: Health and Climate Change | | |
| HEP 410: Obesity Perspectives and Prescriptions | | |

HEP 443: Emotional Health and Interpersonal Relationships

HEP 448: Foundations of School Health Education

HEP 456: Health Promotion Program Evaluation

MED 325: Elements of Hospice and Palliative Care

MED 375: Alzheimer's and Other Dementias (SB)

MED 475: Palliative Care: Managing Complex Serious Illness

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Education and Health Promotion, BS

School/College: College of Health Solutions
Location: Online, ASU Local
NHHEHPBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement. |
| HEP 102: Foundations of Health Education and Health Promotion | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | • First-year students must take CHS 100; students who enter with more than 30 hours must take CHS 300 instead.<br>• View ASU Online first-year student registration information here.<br>• Create a first draft resume. |
| MAT course (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students who enter the major with fewer than 45 hours must take HEP 100; those who enter with at least 45 hours may take EXW 302.<br>• Visit the CHS Student Site for resources, appointment scheduling, internship information, etc. |
| EXW 302: Fundamentals of Wellness (L) OR HEP 100: Introduction to Health and Wellness (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEHP Major Elective | 3 | C | • Select an HEHP major elective from the list below.<br>• Join a student club or professional organization. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| BIO 160: Introduction to Anatomy and Physiology (SQ) | 4 | C |
| Elective | 3 | |
| Term hours subtotal: | 7 | |

- Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate program should take BIO 201 in Term 3A instead of BIO 160, and BIO 202 in Term 3B.

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete HEP 102 course with a grade of "C" or better. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 6 | | |

- Develop your skills.
- Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate program should take BIO 201 in Term 3A, instead of BIO 160, and BIO 202 in Term 3B as an elective.

| Term 4 - A 38 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 107: Chemistry and Society (SQ) AND CHM 108: Chemistry and Society Laboratory (SQ) OR CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR BIO 181: General Biology I (SQ) | 4 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

- Students who are planning to apply to graduate school for medicine, physical therapy, occupational therapy, dentistry, optometry or physician assistant or to a CHS clinical graduate program should take CHM 113.

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 340: Health Theory | 3 | C | |
| NTR 100: Introduction to Nutrition Science OR NTR 241: Human Nutrition | 3 | C | |
| Term hours subtotal: | 6 | | |

- Secure a part-time job or volunteer experience.

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEP 386: Assessing Strengths and Needs for Health Education and Promotion | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- HEP 386 fulfills the college's experiential learning requirement.
- Develop your professional online presence .

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEP 348: Methods of Health Education | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEHP Major Elective | 3 | C | • Select an HEHP major elective from the list below. |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HEP 454: Health Promotion Program Planning and Implementation (L) | 3 | C | |
| HEP 444: Epidemiology | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEP 452: Health Advocacy in Health Education | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) | 3 | C | |
| HEP 466: Health Promotion Program Management and Administration | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 100 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HEP 476: Community Health | 3 | C | • Complete an in person or virtual practice interview. |
| HEP 490: CHES Exam Preparation | 1 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 9 - A 100 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division HEHP Major Elective | 3 | C | • Apply for full-time career opportunities.<br>• Select an upper division HEHP major elective from the list below.<br>• Choose a track in either Clinical Health Education Specialist or Community Health Education Specialist, and select a course from the appropriate track list below.<br>• Courses used to count toward a track cannot be used as an HEHP major elective. |
| Track Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 106 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Track Course | 3 | C | • Students should select a course from the same track list they chose in Term 9A. |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 8 | • Courses used to count toward a track cannot be used as an HEHP major elective. |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Track Course | 3 | C | • Students should continue to follow the same track list.<br>• Courses used to count toward a track cannot be used as an HEHP major elective. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Courses used to count toward a track cannot be used as an HEHP major elective.

Hide Course List(s)/Track Group(s)

| Clinical Health Education Specialist Track | Community Health Education Specialist Track | HEHP Major Electives |
|---|---|---|
| HEP 251: Preventing HIV and Substance Misuse or HEP 394: Health Advocacy for Special Populations | HEP 303: Human Sexuality for Health Education | EXW 335: Physical Activity and Physiological Concepts |
| HEP 371: Conflict Management and Mediation and Violence Prevention or HEP 443: Emotional Health and Interpersonal Relationships | HEP 361: Digital Health Communication and Education | EXW 344: Impact of Physical Activity on Health and Disease (L) |
| HEP 394: Diabetes Prevention & Management | HEP 394: Health and Climate Change | EXW 400: Stress Management for Wellness |
| | | HEP 241: Health Education Methods for Injury Prevention and Preparedness |
| | | HEP 251: Preventing HIV and Substance Misuse |
| | | HEP 303: Human Sexuality for Health Education |
| | | HEP 350: Substance Use and Addictive Behaviors |
| | | HEP 361: Digital Health Communication and Education |
| | | HEP 371: Conflict Management and Mediation and Violence Prevention |
| | | HEP 380: Body Image and Wellness |
| | | HEP 394: Diabetes Prevention & Management |
| | | HEP 394: Health Advocacy for Special Populations |
| | | HEP 394: Health and Climate Change |
| | | HEP 443: Emotional Health and Interpersonal Relationships |
| | | HEP 448: Foundations of School Health Education |
| | | HEP 456: Health Promotion Program Evaluation |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Sciences, BS

School/College: College of Health Solutions
Location: Downtown Phoenix, Polytechnic, West
NHHSCBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT course (MA) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:* Elective ( SWU 250 recommended) | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 210: Cultural Aspects of Health (C) | 3 | C | • First-year students must complete CHS 100; students who enter the major with more than 30 hours may complete CHS 300 instead.<br>• Students applying to the Mayo-Clinic Echocardiography program should take PHY 101 to fulfill the Natural Science (SQ) requirement and CHS 260 for the elective in this term.<br>• Join a student club or professional organization.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | C | • Students applying to the Mayo-Clinic Echocardiography program should take BIO 201 to fulfill the Natural Science (SQ or SG) requirement and COM 225 as an elective in this term.<br>• Develop your skills. |
| HCD 330: Health Care Systems in the U.S. | 3 | C | |
| Natural Science - Quantitative (SQ) ( BIO 160 recommended) OR Natural Science - General (SG) ( BIO 201 recommended) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEP 102: Foundations of Health Education and Health Promotion OR NTR 100: Introduction to Nutrition Science OR POP 100: Introduction to Population Health | 3 | C | • Students applying to the Mayo-Clinic Echocardiography program should take BIO 202 as one of their electives in this term.<br>• Secure a part-time job or volunteer experience. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete HCD 330 course(s) with a grade of "C" or better. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) | 3 | C | • Develop your professional online presence. |
| HCD 303: Global Health Care Systems (G) | 3 | C | |
| MED 300: Historical and Contemporary Issues in Health (L) | 3 | C | |
| MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 310: Health Communication | 3 | C | • Students must select at least three courses from a single focus area list below, and then select from any combination of the focus area lists to complete a total of 15 credit hours.<br>• All CHS students must complete a minimum of three credits of experiential learning. Select a course from the list below to take in term 7 and visit the CHS student website for more information on opportunities, including research and internships, specific to your major.<br>• Students who plan to take MED 484 as their experiential learning course in term 7 must have a minimum cumulative 3.00 GPA at the end of term 6. |
| *Complete 2 courses:* Focus Area Course | 6 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Focus Area Course | 6 | C | • Students must select at least three courses from a single focus area list below, and then select from any combination of the focus area lists to complete a total of 15 credit hours.<br>• Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major.<br>• Students who choose to enroll in MED 484 as their experiential learning course must have a minimum cumulative 3.00 GPA. |
| MED 450: Leadership and Professionalism | 3 | C | |
| Experiential Learning Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- Use Handshake to research employment opportunities.
- Gather professional references.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Focus Area Course | 3 | C | • Students must select at least three courses from a single focus area list below, and then select from any combination of the focus area lists to complete a total of 15 credit hours.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- Focus Areas provide students an opportunity to focus their studies in a particular area of interest or expand their knowledge in various areas. Students must select at least three courses from a single focus area list, and can then select from any combination of the focus area lists to complete a total of 15 credit hours, nine of which must be upper division.
- Students interested in applying to the Mayo School of Health Sciences Echocardiography program must complete all prerequisite courses prior to matriculation to the 21 month professional program at Mayo. Students must be accepted into the program, which has limited slots for admission. For admission criteria and application process, go here. If a student is accepted for the program, completion requires the student to attend ASU to meet our remaining requirements in the summer prior to the beginning of the program. Students must work closely with their ASU academic advisor to make certain all prerequisites have been met. Upon successful completion of the Echocardiography curriculum at Mayo, the student must have the credits transferred back to ASU for acceptance as a block. At that time, the student may apply for graduation from ASU with the BS in Health Sciences.
- Students interested in the Health and Media focus area are encouraged to take at least two MCO courses offered by the Walter Cronkite School of Journalism and Mass Communication.
- Students interested in taking SPA courses to fulfill focus area requirements should plan ahead to complete prerequisites or the appropriate placement exam. Contact https://cisa.asu.edu/advising for more information on placement.
- CHS students are required to complete a minimum of three credits of experiential learning coursework. A list of recommended courses is below. The CHS student website also has up to date information on opportunities to fulfill this requirement, including research and internships, that are relevant to each major. Students should contact their academic advisor with any questions.
- Students who use a Focus Area course to fulfill the experiential learning requirement will need to complete an additional three credit upper division elective.

Hide Course List(s)/Track Group(s)

| Community-based Health Outcomes Focus Area | Health Legislation and Regulation Focus Area | Health and Media Focus Area |
|---|---|---|
| HCD 420: Population Health Management | HCD 201: Economics for Health Majors | HEP 361: Digital Health Communication and Education |
| HEP 241: Health Education Methods for Injury Prevention and Preparedness | HCD 302: Health Care Management | HEP 452: Health Advocacy in Health Education |
| HEP 394: Health and Climate Change | HCD 304: Health Care Finance | MCO 307: The Digital Audience |
| HEP 466: Health Promotion Program Management and Administration | HCD 332: Population Health Policy and Legislation | MCO 425: Digital Media Literacy I |
| MED 417: Impact of Violence on Health | HCD 400: Interpreting the Scientific Literature | MCO 426: Digital Media Literacy II |
| | HCD 402: Health Economics | MCO 427: Misinformation and Society |

PBH 422: Health Disparities and Access to Health

SPA 318: Advanced Spanish for Health Care Professionals

SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)

SPA 406: Introduction to Spanish/English Medical Interpretation

Integrated Care Focus Area

CHS 340: Health Theory

HEP 251: Preventing HIV and Substance Misuse

HEP 350: Substance Use and Addictive Behaviors

HEP 380: Body Image and Wellness

HSC 300: Complementary Health Care

HSC 355: Eating for Lifelong Health (SB)

HSC 410: Supporting the Health of Older Adults

HSC 412: Health Issues in Later Life

HSC 440: Health Coaching Concepts and Skills

MED 445: Prevention and Management of Chronic Disease

NTR 480: Integrative and Functional Nutrition

Experiential Learning Course

The following courses are the most relevant for your major, but other options may be possible. See your advisor.

CHS 280: Experiential Community Health and Research

CHS 394: CHS Peer Instructional Facilitator

CHS 484: Applied Health Experience

CHS 484: Citizen Science in Health

CHS 484: Translational Research

CHS 493: Honors Thesis (L)

CHS 494: Advanced Undergraduate Teaching Assistant

CHS 494: Undergraduate Research

HCR 471: Interprofessional Education and Community Health

HSC 432: Legal Issues in Health Care

PAF 340: Contemporary Policy Challenges

Language, Speech and Communication Focus Area

SHS 205: Exploring Communication Disorders in Children and Adults AND SHS 250: Introduction to Phonetics

SHS 310: Anatomical and Physiological Bases of Speech

SHS 311: Hearing Science

SHS 367: Language Science (SB)

SHS 375: Speech Science

SHS 401: Principles of Audiology

SHS 465: Speech and Language Acquisition (SB)

SHS 496: Aural Rehabilitation

MCO 494: Podcasting

NTR 453: Nutrition and the Media

Mayo-Clinic Echocardiography Prerequisites

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

CHS 260: Health Professions Terminology

COM 225: Public Speaking (L)

PHY 101: Introduction to Physics (SQ)

HEP 386: Assessing Strengths and Needs for Health Education and Promotion

HSC 484: Internship

MED 325: Elements of Hospice and Palliative Care

MED 375: Alzheimer's and Other Dementias (SB)

MED 475: Palliative Care: Managing Complex Serious Illness

MED 484: Internship

MED 494: Introduction To Clinical Healthcare

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Sciences, BS

School/College: College of Health Solutions
Location: Online, ASU Local
NHHSCBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• Build your professional connections -- join the ASU Mentor Network. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 210: Cultural Aspects of Health (C) | 3 | C | • View ASU Online first-year student registration information here. |
| MAT course (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Visit the CHS Student Site for resources, appointment scheduling, internship information, etc. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | • Join a student club or professional organization.<br>• Students who enter as first-year students must complete CHS 100; students who enter with more than 30 hours may complete CHS 300 instead. |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEP 102: Foundations of Health Education and Health Promotion OR NTR 100: Introduction to Nutrition Science OR POP 100: Introduction to Population Health | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | |
|---|---|
| Term hours subtotal: | 7 |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | C | |
| HCD 330: Health Care Systems in the U.S. | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) ( BIO 160 recommended) OR Natural Science - General (SG) ( BIO 201 recommended) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Secure a part-time job or volunteer experience. |
| Elective | 3 | | |
| Complete HCD 330 course(s) with a grade of "C" or better. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 303: Global Health Care Systems (G) | 3 | C | • Develop your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MED 300: Historical and Contemporary Issues in Health (L) | 3 | C | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

- Use Handshake to research employment opportunities.

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HSC 310: Health Communication | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Focus Area Course | 3 | C | • Students must select at least three courses from a single focus area list below, and then select from an any combination of the focus area lists to complete a total of 15 credit hours. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Focus Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Focus Area Course | 3 | C | • Students must select at least three courses from a single focus area list below, and then select from an any combination of the focus area lists to complete a total of 15 credit hours.<br>• All CHS students must complete a minimum of three credits of experiential learning. Select a course from the list below to take in Term 10A and visit the CHS student website for more information on opportunities, including research and internships, specific to your major. |
| MED 450: Leadership and Professionalism | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Focus Area Course | 3 | C | • Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Experiential Learning Course | 3 | C | • Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Focus Area Course | 3 | C | • Students must select at least three courses from a single focus area list below, and then select |
| Term hours subtotal: | 3 | | |

from an any combination of the focus area lists to complete a total of 15 credit hours.

- Focus Areas provide students an opportunity to focus their studies in a particular area of interest or expand their knowledge in various areas. Students must select at least three courses from a single focus area list, and can then select from any combination of the focus area lists to complete a total of 15 credit hours, nine of which must be upper division.
- Students interested in the Health and Media focus area are encouraged to take at least two MCO courses offered by the Walter Cronkite School of Journalism and Mass Communication.
- CHS students are required to complete a minimum of three credits of experiential learning coursework. A list of recommended courses is below. The CHS student website also has up to date information on opportunities to fulfill this requirement, including research and internships, that are relevant to each major. Students should contact their academic advisor with any questions.
- Students who use a Focus Area course to fulfill the experiential learning requirement will need to complete an additional three credit upper division elective.

Hide Course List(s)/Track Group(s)

| Community-based Health Outcomes Focus Area |
|---|
| HCD 420: Population Health Management |
| HEP 241: Health Education Methods for Injury Prevention and Preparedness |
| HEP 466: Health Promotion Program Management and Administration |
| MED 417: Impact of Violence on Health |
| PBH 422: Health Disparities and Access to Health |

| Health Legislation and Regulation Focus Area |
|---|
| HCD 201: Economics for Health Majors |
| HCD 302: Health Care Management |
| HCD 304: Health Care Finance |
| HCD 332: Population Health Policy and Legislation |
| HCD 400: Interpreting the Scientific Literature |
| HCD 402: Health Economics |
| HSC 432: Legal Issues in Health Care |
| PAF 340: Contemporary Policy Challenges |

| Health and Media Focus Area |
|---|
| HEP 361: Digital Health Communication and Education |
| HEP 452: Health Advocacy in Health Education |
| MCO 307: The Digital Audience |
| MCO 425: Digital Media Literacy I |
| MCO 426: Digital Media Literacy II |
| MCO 427: Misinformation and Society |
| MCO 494: Podcasting |
| NTR 453: Nutrition and the Media |

| Integrated Care Focus Area |
|---|
| CHS 340: Health Theory |
| HEP 251: Preventing HIV and Substance Misuse |
| HEP 350: Substance Use and Addictive Behaviors |
| HEP 380: Body Image and Wellness |
| HSC 300: Complementary Health Care |
| HSC 355: Eating for Lifelong Health (SB) |
| HSC 410: Supporting the Health of Older Adults |
| HSC 412: Health Issues in Later Life |

| Language, Speech and Communication Focus Area |
|---|
| SHS 205: Exploring Communication Disorders in Children and Adults AND SHS 250: Introduction to Phonetics |
| SHS 310: Anatomical and Physiological Bases of Speech |
| SHS 311: Hearing Science |
| SHS 367: Language Science (SB) |
| SHS 375: Speech Science |
| SHS 401: Principles of Audiology |
| SHS 465: Speech and Language Acquisition (SB) |
| SHS 496: Aural Rehabilitation |

| Experiential Learning Course |
|---|
| The following courses are the most relevant for your major, but other options may be possible. See your advisor. |
| CHS 280: Experiential Community Health and Research |
| CHS 394: CHS Peer Instructional Facilitator |
| CHS 484: Applied Health Experience |
| CHS 484: Citizen Science in Health |
| CHS 484: Translational Research |
| CHS 494: Advanced Undergraduate Teaching Assistant |
| CHS 494: Undergraduate Research |

HSC 440: Health Coaching Concepts and Skills

MED 445: Prevention and Management of Chronic Disease

HEP 386: Assessing Strengths and Needs for Health Education and Promotion

HSC 484: Internship

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Sciences (Healthy Lifestyles and Fitness Science), BS

School/College: College of Health Solutions
Location: Downtown Phoenix, Polytechnic, West
NUHSCHLCBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. College of Health Solutions students take CHS 101 to fulfill this requirement. |
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT course (MA) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Join a student club or professional organization such as the Healthy Lifestyles Organization at ASU.<br>• First-year students must complete CHS 100; students who enter the major with more than 30 hours may complete CHS 300 instead.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc. |
| EXW 101: Foundations of Health and Fitness Science | 3 | C | |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 215: Resistance Training and Recovery Techniques OR EXW 217: Cardiorespiratory and Flexibility Training | 3 | C | • Develop your skills. |
| HCD 300: Biostatistics (CS) OR STP 231: Statistics for Life Science (CS) OR SOC 390: Social Statistics I (CS) | 3 | C | |
| NTR 241: Human Nutrition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 215: Resistance Training and Recovery Techniques OR EXW 217: Cardiorespiratory and Flexibility Training | 3 | C | • Explore a certificate such as Health and Wellness Coach, Health Education Specialist or Personal Fitness Training.<br>• Secure a part-time job or volunteer experience. |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| NTR 290: Introduction to Evidence-Based Research in Nutrition (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 340: Health Theory | 3 | C | • Students may select Focus Area Electives from any combination of the focus area lists below to complete a total of 12 credit hours, six of which must be upper division.<br>• Students who complete this program may be eligible to sit for national certification exams. Contact your advisor for more information.<br>• Develop your professional online presence. |
| EXW 335: Physical Activity and Physiological Concepts | 3 | C | |
| HEP 410: Obesity Perspectives and Prescriptions | 3 | C | |
| Focus Area Elective | 3 | C | |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 300: Complementary Health Care | 3 | C | • Students may select Focus Area Electives from any combination of the focus area lists below to complete a total of 12 credit hours, six of which must be upper division.<br>• Explore health related graduate programs such as Addiction and Substance-Use Related Disorders, Nutritional Science or Science of Health Care Delivery. |
| EXW 344: Impact of Physical Activity on Health and Disease (L) | 3 | C | |
| HSC 355: Eating for Lifelong Health (SB) | 3 | C | |
| HSC 440: Health Coaching Concepts and Skills | 3 | C | |
| Focus Area Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 400: Stress Management for Wellness | 3 | C | • Students may select Focus Area Electives from any combination of the focus area lists below to complete a total of 12 credit hours, six of which must be upper division.<br>• All CHS students must complete a minimum of three credits of experiential learning. Select a course from the list below to take in Term 8, and visit the CHS student website for more information on opportunities, including research and internships, specific to your major.<br>• Gather professional references.<br>• Use Handshake to research employment opportunities. |
| EXW 425: Exercise Prescription for Health and Wellness | 3 | C | |
| EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) | 3 | C | |
| HEP 350: Substance Use and Addictive Behaviors | 3 | C | |
| Upper Division Focus Area Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | EXW 446: Worksite Wellness OR HEP 452: Health Advocacy in Health Education OR NTR 360: Nutrition Entrepreneurship OR SSP 320: Coaching Leadership, Performance Team and Facility Management | 3 | C |
| | Upper Division Focus Area Elective | 3 | C |
| | Experiential Learning Course | 3 | C |
| | *Complete 2 courses:*<br>Elective | 6 | |
| | Term hours subtotal: | 15 | |

- Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major.
- Students may select Focus Area Electives from any combination of the focus area lists below to complete a total of 12 credit hours, six of which must be upper division.
- Students who use NTR 360 or a focus area elective to fulfill the experiential learning requirement will need to complete an additional three credit upper division elective.
- Apply for career opportunities.

- Students may select courses from any combination of the focus area lists to expand their knowledge in different areas. The lists are separated into several categories that span the field of healthy lifestyles and health sciences. A total of 12 credit hours of focus area courses must be completed, six of which must be upper division.
- CHS students are required to complete a minimum of three credits of experiential learning coursework. A list of recommended courses is below. The CHS student website also has up to date information on opportunities to fulfill this requirement, including research and internships, that are relevant to each major. Students should contact their academic advisor with any questions.
- Students must complete EXW 446, HEP 452, NTR 360, or SSP 320 in order to fulfill a major requirement. If more than one course from this list is taken, the excess course(s) may be used toward a Focus Area.

Hide Course List(s)/Track Group(s)

| Health Care Compliance and Regulations Focus Area |
|---|
| ASB 462: Medical Anthropology: Culture and Health (SB & C) |
| HCD 303: Global Health Care Systems (G) |
| HCD 330: Health Care Systems in the U.S. |
| HCD 332: Population Health Policy and Legislation |
| HCD 404: Advanced Concepts in the Science of Health Care Delivery |
| HCR 259: Compliance and the Health Care Industry |
| HCR 263: Introduction to Medical Billing and Compliance |
| HCR 360: Data Security and Privacy in Health Care Compliance |
| HSC 432: Legal Issues in Health Care |

| Health Education and Promotion Focus Area |
|---|
| EXW 325: Fitness for Life |
| HCR 471: Interprofessional Education and Community Health |
| HEP 303: Human Sexuality for Health Education |
| HEP 371: Conflict Management and Mediation and Violence Prevention |
| HEP 380: Body Image and Wellness |
| HEP 452: Health Advocacy in Health Education |
| HEP 454: Health Promotion Program Planning and Implementation (L) |
| HEP 456: Health Promotion Program Evaluation |
| HEP 466: Health Promotion Program Management and Administration |
| HEP 476: Community Health |

| Health Leadership and Management Focus Area |
|---|
| EXW 446: Worksite Wellness |
| HCD 201: Economics for Health Majors |
| HCD 302: Health Care Management |
| HCD 420: Population Health Management |
| HCR 435: Leaders in Community Health |
| HCR 473: Interprofessional Education and Comprehensive Systems Health |
| HEP 361: Digital Health Communication and Education |
| HSC 310: Health Communication |
| MED 394: Healthcare and Humanities |
| MED 450: Leadership and Professionalism |
| PAF 311: Leadership and Change (SB) |
| SOS 385: Business and Sustainability I |

PBH 422: Health Disparities and Access to Health

SOC 427: Sociology of Health and Illness (SB)

HSC 210: Cultural Aspects of Health (C)

HSC 412: Health Issues in Later Life

| Health Psychology Focus Area |
| --- |
| HEP 443: Emotional Health and Interpersonal Relationships |
| PBH 410: Public Mental Health |
| PSY 290: Research Methods (L or SG) |
| PSY 304: Effective Thinking (L) |
| PSY 315: Personality Theory and Research (SB) |
| PSY 341: Developmental Psychology (SB) |
| PSY 350: Social Psychology (SB) |
| PSY 366: Psychological Disorders (SB) |
| PSY 462: Health Psychology |

| Healthy Nutrition Focus Area |
| --- |
| NTR 142: Applied Food Principles |
| NTR 345: Development of Healthy Cuisines |
| NTR 348: Cultural Aspects of Food (SB & C & G) |
| NTR 351: Nutrition Communication (L) |
| NTR 353: The Western Diet |
| NTR 390: Current Nutrition Research |
| NTR 448: Community Nutrition (L) |
| NTR 453: Nutrition and the Media |
| NTR 490: Undergraduate Research Methods in Nutrition |

| Integrated and Integrative Health Focus Area |
| --- |
| HCR 240: Human Pathophysiology |
| HCR 241: Foundations of Integrative Health |
| HCR 245: Sleep, Sleep Disorders and Behavior (SB) |
| HCR 341: Biological, Manipulative, and Body-Based Therapies |
| HCR 342: Mind-Body and Energy Therapies and Modalities |
| HCR 472: Interprofessional Education and Complex Health |
| HSC 410: Supporting the Health of Older Adults |
| MED 300: Historical and Contemporary Issues in Health (L) |
| MED 445: Prevention and Management of Chronic Disease |
| MED 475: Palliative Care: Managing Complex Serious Illness |

| Experiential Learning Course |
| --- |
| The following courses are the most relevant for your major, but other options may be possible. See your advisor. |
| CHS 280: Experiential Community Health and Research |
| CHS 394: CHS Peer Instructional Facilitator |
| CHS 400: Adaptive Exercise Program Practical Experience |
| CHS 484: Applied Health Experience |
| CHS 484: Citizen Science in Health |
| CHS 484: Translational Research |
| CHS 493: Honors Thesis (L) |
| CHS 494: Advanced Undergraduate Teaching Assistant |
| CHS 494: Undergraduate Research |
| HCR 471: Interprofessional Education and Community Health |

HSC 441: Applied Health Coaching Techniques

HSC 484: Internship

MED 325: Elements of Hospice and Palliative Care

MED 375: Alzheimer's and Other Dementias (SB)

MED 475: Palliative Care: Managing Complex Serious Illness

NTR 360: Nutrition Entrepreneurship

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Sciences (Healthy Lifestyles and Fitness Science), BS

School/College: College of Health Solutions
Location: Online, ASU Local
NUHSCHLCBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT course (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 11 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • View ASU Online first-year student registration information here. |
| Term hours subtotal: | 4 | | |

| Term 2 - A 11 - 18 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Join a student club or professional organization such as the Healthy Lifestyles Organization at ASU.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 18 - 24 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 101: Foundations of Health and Fitness Science | 3 | C | • First-year students must complete CHS 100; students who enter the major with more than 30 hours may complete CHS 300 instead. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 24 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| EXW 215: Resistance Training and Recovery Techniques OR EXW 217: Cardiorespiratory and Flexibility Training | 3 | C |
| NTR 241: Human Nutrition | 3 | C |
| Term hours subtotal: | 6 | |

| Term 3 - B 30 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) OR STP 231: Statistics for Life Science (CS) OR SOC 390: Social Statistics I (CS) | 3 | C | • Develop your skills. |
| Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 36 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 215: Resistance Training and Recovery Techniques OR EXW 217: Cardiorespiratory and Flexibility Training | 3 | C | • Explore a certificate such as Health and Wellness Coach, Health Education Specialist or Personal Fitness Training. |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 42 - 48 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 290: Introduction to Evidence-Based Research in Nutrition (L) | 3 | C | • Secure a part-time job or volunteer experience. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 48 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 335: Physical Activity and Physiological Concepts | 3 | C | • Students who complete this program may be eligible to sit for national certification exams. Contact your advisor for more information. |
| MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 54 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 340: Health Theory | 3 | C | • Develop your professional online presence. |
| HSC 300: Complementary Health Care | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 60 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEP 410: Obesity Perspectives and Prescriptions | 3 | C | • Students may select Focus Area Electives from any combination of the focus area lists below to complete a total of 12 credit hours, six of which must be upper division. |
| Focus Area Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 66 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 344: Impact of Physical Activity on Health and Disease (L) | 3 | C | |
| HSC 440: Health Coaching Concepts and Skills | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 7 - A 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HSC 355: Eating for Lifelong Health (SB) | 3 | C | • Explore health related graduate programs such as Addiction and Substance-Use Related Disorders, Nutritional Science or Science of Health Care Delivery. |
| HEP 350: Substance Use and Addictive Behaviors | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 78 - 84 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 400: Stress Management for Wellness | 3 | C | • Students may select Focus Area Electives from any combination of the focus area lists below to complete a total of 12 credit hours, six of which must be upper division.<br>• Use Handshake to research employment opportunities. |
| Focus Area Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Focus Area Elective | 3 | C | • Students may select Focus Area Electives from any combination of the focus area lists below to complete a total of 12 credit hours, six of which must be upper division. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 90 - 96 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) | 3 | C | • All CHS students must complete a minimum of three credits of experiential learning. Select a course from the list below to take in Term 9-B and visit the CHS student website for more information on opportunities, including research and internships, specific to your major.<br>• Gather professional references. |
| Upper Division Focus Area Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EXW 425: Exercise Prescription for Health and Wellness | 3 | C | • Students may select Focus Area Electives from any combination of the focus area lists below to complete a total of 12 credit hours, six of which must be upper division. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 102 - 108 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Experiential Learning Course | 3 | C | • Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major.<br>• Students who use NTR 360 or a focus area elective to fulfill the experiential learning requirement will need to complete an additional three credit upper division elective. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EXW 446: Worksite Wellness OR HEP 452: Health Advocacy in Health Education OR NTR 360: Nutrition Entrepreneurship | 3 | C | • Apply for full-time career opportunities . |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 6 | | |

- Students may select courses from any combination of the focus area lists to expand their knowledge in different areas. The lists are separated into several categories that span the field of healthy lifestyles and health sciences. A total of 12 credit hours of focus area courses must be completed, six of which must be upper division.
- CHS students are required to complete a minimum of three credits of experiential learning coursework. A list of recommended courses is below. The CHS student website also has up to date information on opportunities to fulfill this requirement, including research and internships, that are relevant to each major. Students should contact their academic advisor with any questions.
- Students must complete EXW 446, HEP 452 or NTR 360 in order to fulfill a major requirement. If more than one course from this list is taken, the excess course(s) may be used toward a Focus Area.

Hide Course List(s)/Track Group(s)

| Health Care Compliance and Regulations Focus Area |
|---|
| ASB 462: Medical Anthropology: Culture and Health (SB & C) |
| HCD 303: Global Health Care Systems (G) |
| HCD 330: Health Care Systems in the U.S. |
| HCD 332: Population Health Policy and Legislation |
| HCD 404: Advanced Concepts in the Science of Health Care Delivery |
| HCR 259: Compliance and the Health Care Industry |
| HCR 263: Introduction to Medical Billing and Compliance |
| HCR 360: Data Security and Privacy in Health Care Compliance |
| HSC 432: Legal Issues in Health Care |
| PBH 422: Health Disparities and Access to Health |
| SOC 427: Sociology of Health and Illness (SB) |

| Health Education and Promotion Focus Area |
|---|
| EXW 325: Fitness for Life |
| HEP 303: Human Sexuality for Health Education |
| HEP 371: Conflict Management and Mediation and Violence Prevention |
| HEP 380: Body Image and Wellness |
| HEP 452: Health Advocacy in Health Education |
| HEP 454: Health Promotion Program Planning and Implementation (L) |
| HEP 456: Health Promotion Program Evaluation |
| HEP 466: Health Promotion Program Management and Administration |
| HEP 476: Community Health |
| HSC 210: Cultural Aspects of Health (C) |
| HSC 412: Health Issues in Later Life |

| Health Leadership and Management Focus Area |
|---|
| EXW 446: Worksite Wellness |
| HCD 201: Economics for Health Majors |
| HCD 302: Health Care Management |
| HCD 420: Population Health Management |
| HCR 435: Leaders in Community Health |
| HEP 361: Digital Health Communication and Education |
| HSC 310: Health Communication |
| MED 450: Leadership and Professionalism |
| PAF 311: Leadership and Change (SB) |
| SOS 385: Business and Sustainability I |

| Health Psychology Focus Area |
| --- |
| HEP 443: Emotional Health and Interpersonal Relationships |
| PBH 410: Public Mental Health |
| PSY 290: Research Methods (L or SG) |
| PSY 304: Effective Thinking (L) |
| PSY 315: Personality Theory and Research (SB) |
| PSY 341: Developmental Psychology (SB) |
| PSY 350: Social Psychology (SB) |
| PSY 366: Psychological Disorders (SB) |
| PSY 462: Health Psychology |

| Healthy Nutrition Focus Area |
| --- |
| NTR 142: Applied Food Principles |
| NTR 345: Development of Healthy Cuisines |
| NTR 348: Cultural Aspects of Food (SB & C & G) |
| NTR 351: Nutrition Communication (L) |
| NTR 353: The Western Diet |
| NTR 448: Community Nutrition (L) |
| NTR 453: Nutrition and the Media |

| Integrated and Integrative Health Focus Area |
| --- |
| HCR 240: Human Pathophysiology |
| HCR 241: Foundations of Integrative Health |
| HCR 341: Biological, Manipulative, and Body-Based Therapies |
| HCR 342: Mind-Body and Energy Therapies and Modalities |
| HSC 410: Supporting the Health of Older Adults |
| MED 300: Historical and Contemporary Issues in Health (L) |
| MED 445: Prevention and Management of Chronic Disease |

| Experiential Learning Course |
| --- |
| The following courses are the most relevant for your major, but other options may be possible. See your advisor. |
| CHS 280: Experiential Community Health and Research |
| CHS 484: Applied Health Experience |
| CHS 484: Citizen Science in Health |
| CHS 484: Translational Research |
| CHS 494: Advanced Undergraduate Teaching Assistant |
| CHS 494: Undergraduate Research |
| HSC 441: Applied Health Coaching Techniques |
| HSC 484: Internship |
| NTR 360: Nutrition Entrepreneurship |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## International Public Health, BIPH

School/College: College of Health Solutions
Location: Online, ASU Local
NHIPHBIPH

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. CHS 101 fulfills this requirement for College of Health Solutions students. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| BIO 100: The Living World (SQ) | 4 | C | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 14 - 21 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 100: Introduction to Global Health (SB & G) | 3 | C | • Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Join a student club or professional organization. |
| BIO 160: Introduction to Anatomy and Physiology (SQ) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 21 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSC 210: Cultural Aspects of Health (C) | 3 | C | • First-year students must complete CHS 100; students who enter the major with more than 30 hours may complete CHS 300 instead.<br>• Develop your skills. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| POP 100: Introduction to Population Health | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 30 - 39 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| CHS 201: International Indigenous Health OR ASB 462: Medical Anthropology: Culture and Health (SB & C) | 3 | C | • CHS 201 is offered by University of New South Wales.<br>• Students must complete a one time PLuS Alliance course waiver to enroll in courses offered by University of New South Wales. |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 201: Economics for Health Majors | 3 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 45 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 401: Ethics in Public Health OR MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | • CHS 401 is offered by University of New South Wales. |
| HCD 332: Population Health Policy and Legislation | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 54 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 303: Global Health Care Systems (G) | 3 | C | |
| PBH 410: Public Mental Health | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 307: Health Leadership OR MED 450: Leadership and Professionalism | 3 | C | • CHS 307 is offered by University of New South Wales. |
| HCD 300: Biostatistics (CS) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 66 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 301: Epidemiology for International Public Health OR HEP 444: Epidemiology | 3 | C | • CHS 301 is offered by University of New South Wales.<br>• Develop your professional online presence. |
| PBH 435: Environmental and Occupational Health | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 75 - 84 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 301: Global History of Health (SB & G & H) | 3 | C | • Secure a part-time job or volunteer experience. |
| HCD 400: Interpreting the Scientific Literature | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MED 300: Historical and Contemporary Issues in Health (L) | 3 | C | |

| | | | |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| **Summer 6 93 - 96 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHS 309: Evaluating Chronic Disease Programs OR MED 445: Prevention and Management of Chronic Disease | 3 | C | • CHS 309 is offered by University of New South Wales. |
| Term hours subtotal: | 3 | | |

| **Term 7 - A 96 - 102 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ PBH 482: Capstone I | 1 | C | |
| *Complete 2 courses:* Elective | 5 | | |
| Term hours subtotal: | 6 | | |

| **Term 7 - B 102 - 108 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ PBH 483: Capstone II | 3 | C | • PBH 483 fulfills the college's experiential learning requirement.<br>• Use Handshake to research employment opportunities. |
| HCD 302: Health Care Management | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 8 - A 108 - 114 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Gather professional references. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ HEP 466: Health Promotion Program Management and Administration | 3 | C | • Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Courses are offered by both Arizona State University and the University of New South Wales (UNSW) in Sydney, Australia. Students should work closely with their academic advisor regarding class selection and enrollment -- particularly those offered through UNSW.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Kinesiology, BS

School/College: College of Health Solutions
Location: Downtown Phoenix, ASU at Lake Havasu
NUKINBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• If students did not test into MAT 170, they should take MAT 117 as an elective in Term 1.<br>• First-year students must complete CHS 100; students who enter the major with more than 30 hours may complete CHS 300 instead.<br>• Join a student club or professional organization. |
| KIN 101: Introduction to Kinesiology | 3 | B- | |
| BIO 181: General Biology I (SQ) | 4 | C | |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Visit the CHS Student Site for resources, appointment scheduling, internship information, etc. |
| MAT 170: Precalculus (MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| BIO 182: General Biology II (SG) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 31 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • In order to be successful in upper division Kinesiology coursework, a minimum 3.0 cumulative ASU GPA is required<br>• Secure a part-time job or volunteer experiences. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete First-Year Composition requirement. | | | |

| | | |
|---|---|---|
| Minimum 3.00 GPA ASU Cumulative. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 45 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Students are recommended to take CHS 294: Topic: Foundations of Health Equity as their elective in term 4.<br>• Explore an internship.<br>• Review scholarship renewal criteria to ensure adequate enrollment. |
| KIN 290: Introduction to Evidence-Based Practice (L) | 3 | C | |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Elective ( CHS 294 recommended) | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| KIN 345: Motor Behavior | 3 | C | • Develop your professional online presence.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• All CHS students must complete a minimum of three credits of experiential learning. Select a course from the list below to take in Term 6 and visit the CHS student website for more information.<br>• In order to be eligible to apply for most graduate schools, it is recommended that students maintain a minimum 3.0 cumulative ASU GPA. |
| KIN 352: Psychosocial Aspects of Physical Activity (SB & C) | 3 | C | |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| KIN 335: Biomechanics | 3 | C | • Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major.<br>• Select an Upper Division Major Elective from the list below.<br>• Students who use an Upper Division Major Elective to fulfill the experiential learning requirement will need to complete an additional three credit upper division elective.<br>• Gather professional references. |
| KIN 340: Physiology of Exercise | 3 | C | |
| Upper Division Major Elective | 3 | C | |
| Experiential Learning Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| KIN 334: Functional Anatomy and Kinesiology | 3 | C | • Select three Upper Division Major Electives from the list below. One of which must also have the Literacy and Critical Inquiry (L) designation. |
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| Upper Division Major Elective AND Upper Division Literacy and Critical Inquiry (L) | 3 | | |

| | | | |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Major Elective | 6 | C | • In order to be eligible to apply for most graduate schools, it is recommended that students maintain a minimum 3.0 cumulative ASU GPA. |
| Term hours subtotal: | 15 | | |

| **Term 8** 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 3 courses:*<br>Upper Division Major Elective | 9 | C | • Select three Upper Division Major Electives from the list below. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- Students can apply the CHS 394 CHS Peer Instructional Facilitator and CHS 494 Advanced Undergraduate Teaching Assistant courses toward the Major Elective requirement once each for a maximum of six credits total. Additional completions beyond six credits will apply as upper division electives.
- Students can apply internship, honors study/thesis, and individualized instruction courses toward the Major Elective requirement for a maximum of six credits total. Additional completions beyond six credits will apply as upper division electives.
- CHS students are required to complete a minimum of three credits of experiential learning coursework. A list of recommended courses is below. The CHS student website also has up to date information on opportunities to fulfill this requirement, including research and internships, that are relevant to each major. Students should contact their academic advisor with any questions.
- Students who use an upper division Major Elective to fulfill the experiential learning requirement will need to complete an additional three credit upper division elective.

Hide Course List(s)/Track Group(s)

| Major Electives | Experiential Learning Course |
|---|---|
| CHS 394: CHS Peer Instructional Facilitator | The following courses are the most relevant for your major, but other options may be possible. See your advisor. |
| CHS 400: Adaptive Exercise Program Practical Experience | CHS 280: Experiential Community Health and Research |
| CHS 492: Honors Directed Study | CHS 394: CHS Peer Instructional Facilitator |
| CHS 493: Honors Thesis (L) | CHS 400: Adaptive Exercise Program Practical Experience |
| CHS 494: Advanced Undergraduate Teaching Assistant | CHS 484: Applied Health Experience |
| CHS 494: Undergraduate Research | CHS 484: Citizen Science in Health |
| CHS 499: Individualized Instruction | CHS 484: Translational Research |
| EXW 426: Exercise for Neuromuscular Conditions (L) | CHS 493: Honors Thesis (L) |
| HCR 471: Interprofessional Education and Community Health | CHS 494: Advanced Undergraduate Teaching Assistant |
| HCR 472: Interprofessional Education and Complex Health | CHS 494: Undergraduate Research |
| HCR 473: Interprofessional Education and Comprehensive Systems Health | HCR 471: Interprofessional Education and Community Health |

KIN 348: Psychological Skills for Optimal Performance (SB)

KIN 412: Biomechanics of the Skeletal System

KIN 413: Qualitative Analysis in Sport Biomechanics

KIN 414: Electromyographic Kinesiology (L)

KIN 415: Theory of Corrective Exercise

KIN 416: Low Back Pain: Muscles and Movement

KIN 418: Experimental Neuromechanics (L)

KIN 422: Motor Control in Special Populations (L)

KIN 424: Neural Aspects of Movement and Rehabilitation

KIN 440: Exercise Biochemistry

KIN 441: Physiology of Women in Sport (L)

KIN 442: Fuel Metabolism

KIN 443: Exercise Endocrinology (L)

KIN 444: Metabolic Adaptations to Exercise Training

KIN 447: ECG Interpretation

KIN 450: Biopsychosocial Perspectives on Physical Activity and Health

KIN 452: Exercise Psychology (SB)

KIN 454: Motivational Theory in Exercise and Health

KIN 460: Theory of Strength Training (L)

KIN 465: Muscle Physiology

KIN 466: Cardiovascular Exercise Physiology

KIN 484: Internship

RTH 364: Foundations of Recreation Therapy (SB)

RTH 384: Recreational Therapy Practicum

SSP 316: Exercise and Sport Physiology Laboratory

SSP 494: Sports Medicine

KIN 484: Internship

MED 494: Introduction To Clinical Healthcare

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students interested in applying to Physical Therapy graduate programs should major in Kinesiology.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Medical Studies, BS

School/College: College of Health Solutions
Location: Downtown Phoenix, Polytechnic, West
NHMEDBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• Students who enter the major as first-year students must complete CHS 100; students who enter the major with more than 30 hours should complete CHS 300.<br>• Explore pre-health resources.<br>• Visit the CHS Student Site for resources, appointment scheduling, internship information, etc. |
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Research career pathways and decide on a Professional Track from the lists below prior to registering for the next term.<br>• Meet with a pre-health advisor to discuss coursework as well as extracurricular activities.<br>• Join a student club or professional organization. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| HSC 210: Cultural Aspects of Health (C) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17 | | |

| Term 3 31 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • The course chosen from the list in this term (CDE 232, COM 100, ECN 211, SOC 101) should be selected from the Professional Track list in the Degree Audit (DARS). If the track list in DARS does not specify one of the courses, SOC 101 is recommended. |
| Professional Track Course | 4 | C | |
| CDE 232: Human Development (SB) OR COM 100: Introduction to Human Communication (SB) OR ECN 211: Macroeconomic Principles (SB) OR SOC 101: Introductory Sociology (SB) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Minimum 3.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 14 | |

- Research professional schools and their admission requirements, including required courses.
- Follow the Professional Track list below for your desired career and meet with a pre-health advisor to discuss coursework.
- Start volunteering for health organizations and shadowing health professionals to learn more about opportunities in the field.
- In order to be successful in upper division Medical Studies coursework, a minimum 3.0 cumulative ASU GPA is required.

| **Term 4 45 - 59 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| Professional Track Course | 4 | C | |
| MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

- Review scholarship renewal criteria to ensure adequate enrollment.
- Follow the Professional Track list below for your desired career and meet with a pre-health advisor to discuss coursework.
- Begin thinking about preparation for professional school entrance exams.
- In order to be successful in upper division Medical Studies coursework, a minimum 3.0 cumulative ASU GPA is required.
- Learn about the Pre-Health Internship Program.
- Continue volunteering and shadowing in health organizations.

| **Term 5 59 - 74 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II | 4 | C | |
| HCD 300: Biostatistics (CS) | 3 | C | |
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| Upper Division Medical Studies Breadth Elective | 3 | C | |
| Elective | 1 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

- Consider using upper division Medical Studies Breadth Elective to fulfill upper division pre-requisites for desired graduate programs. Meet with a pre-health advisor to discuss coursework.
- Study for the professional school entrance exam and register to take it in the spring or summer of your junior year.
- Update your resume.
- Admissions to health professions graduate schools is very competitive. Students should research recommended cumulative and science GPA minimums for their desired programs.
- Students must have a minimum ASU cumulative GPA of 3.00 or higher to apply for the MED 484 internship.

| **Term 6 74 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Professional Track Course | 3 | C | |
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | |
| CHS 484: Translational Research OR CHS 493: Honors Thesis (L) OR CHS 494: Undergraduate Research OR HSC 484: Internship OR | | | |

- Follow the Professional Track list below for your desired career and meet with a pre-health advisor to dicuss coursework.
- Consider using upper division elective to take additional upper division coursework

| | | | |
|---|---|---|---|
| | MED 484: Internship OR MED 494: Introduction To Clinical Healthcare | 3 | C |
| | HSC 310: Health Communication | 3 | C |
| | Upper Division Elective | 3 | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| | Minimum 3.00 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 16 | |

from Professional Track list if needed or to fulfill upper division science pre-requisites for desired graduate programs.

- Any of the courses from the list in this term (CHS 484, CHS 493, CHS 494, HSC 484, MED 484, or MED 494) will fulfill the college's experiential learning requirement. Visit the CHS student website to learn more.
- Take the professional school entrance exam.
- Meet with a pre-health advisor to review your professional school application.
- Apply early!

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCD 303: Global Health Care Systems (G) | 3 | C | |
| MED 300: Historical and Contemporary Issues in Health (L) | 3 | C | |
| *Complete 2 courses:* Upper Division Medical Studies Breadth Elective | 6 | C | |
| Elective | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

- If needed, the elective should be used to complete a Professional Track course.
- Consider using upper division Medical Studies Breadth Electives to fulfill upper division science pre-requisites for desired graduate programs (biochemistry with lab is highly recommended). Meet with a pre-health advisor to discuss coursework.
- Admissions to health professions graduate schools is very competitive. Students should research recommended cumulative and science GPA minimums for their desired programs.
- Complete an in person or virtual practice interview.
- Continue gaining hands on experience.

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCD 330: Health Care Systems in the U.S. | 3 | C | |
| MED 450: Leadership and Professionalism | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- Consider using upper division electives to take additional upper division coursework from Professional Track list if needed or fulfill upper division science pre-requisites for desired graduate programs. Meet with a pre-health advisor to discuss courses.

- 
  - A course in biochemistry with lab is strongly recommended for competitive application to most professional schools.
  - Students interested in applying to Physical Therapy graduate programs should major in Kinesiology.
  - Students in the MD track who plan to apply to the University of Arizona Medical School in Tucson must complete upper-division coursework in Cell Biology, Histology, Microbiology, Pathology, or Immunobiology as well as an upper-division course in Molecular Biology. This means that at least one of the upper-division electives should come from the Medical Studies Breadth Electives list.
  - Due to the high volume of overlap in curriculum, students enrolled in this degree are not permitted to declare a concurrent degree combination with the Biological Sciences BS, including the following

concentrations: Biomedical Sciences; Genetics, Cell and Developmental Biology; and Neurobiology, Physiology and Behavior. Students should speak with their academic advisor for any further questions.

Hide Course List(s)/Track Group(s)

| Dentistry Professional Track |
| --- |
| MIC 205: Microbiology (SG) |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) |

| Integrative Health (ND/NMD/DC) Professional Track |
| --- |
| BIO 340: General Genetics or LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory |
| HSC 300: Complementary Health Care |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |
| PSY 341: Developmental Psychology (SB) |

| Medicine (MD/DO) Professional Track |
| --- |
| BIO 340: General Genetics or LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) |

| Occupational Therapy Professional Track |
| --- |
| CHS 260: Health Professions Terminology |
| PSY 341: Developmental Psychology (SB) |
| PSY 366: Psychological Disorders (SB) |
| SOC 400: Perspectives on Aging (SB) or SOC 410: Race, Medicine, and the Body (L) or SOC 418: Aging and the Life Course (SB & H) or SOC 424: Women and Health (SB) or SOC 426: Social Inequalities (SB) or SOC 427: Sociology of Health and Illness (SB) |

| Optometry Professional Track |
| --- |
| MAT 251: Calculus for Life Sciences (MA) |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) |

| Pharmacy Professional Track |
| --- |
| COM 225: Public Speaking (L) |
| MAT 251: Calculus for Life Sciences (MA) |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |

| Physician Assistant (PA) Professional Track |
| --- |
| BIO 340: General Genetics or LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory |
| CHS 260: Health Professions Terminology |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |

| Medical Studies Breadth Electives |
| --- |
| Other options may be possible. See your advisor. |
| BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory |
| BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory |
| BIO 353: Cell Biology |
| BIO 355: Introduction to Computational Molecular Biology (CS) |
| BIO 360: Animal Physiology |
| BIO 420: Immunology: Molecular and Cellular Foundations |
| BIO 475: Advanced Human Anatomy |
| CHS 340: Health Theory |
| HCD 302: Health Care Management |
| HCD 304: Health Care Finance |

| |
|---|
| HCD 332: Population Health Policy and Legislation |
| HCD 420: Population Health Management |
| HSC 410: Supporting the Health of Older Adults |
| HSC 412: Health Issues in Later Life |
| LSC 4** Elective |
| MED 325: Elements of Hospice and Palliative Care |
| MED 375: Alzheimer's and Other Dementias (SB) |
| MED 394: Healthcare and Humanities |
| MED 417: Impact of Violence on Health |
| MED 445: Prevention and Management of Chronic Disease |
| MED 475: Palliative Care: Managing Complex Serious Illness |
| MED 484: Internship |
| NTR 480: Integrative and Functional Nutrition |
| PBH 410: Public Mental Health |
| PBH 422: Health Disparities and Access to Health |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Nutritional Science, BS

School/College: College of Health Solutions
Location: Downtown Phoenix
NHNUSCIBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• Students who enter the major as first-year students must complete CHS 100; students who enter the major with more than 30 hours should complete CHS 300.<br>• Students interested in graduate school are recommended to take MAT 170 and CHM 113.<br>• Students who take CHM 113 will also need to take CHM 116 as an elective to progress in the major. |
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 241: Human Nutrition | 3 | C | • Visit the CHS Student Site for resources, appointment scheduling, internship information, etc.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Develop your skills. |
| HCD 300: Biostatistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | |
| NTR 142: Applied Food Principles | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Secure a part-time job or volunteer experience.<br>• Use Handshake to research employment opportunities. |
| CHS 260: Health Professions Terminology | 3 | C | |
| NTR 290: Introduction to Evidence-Based Research in Nutrition (L) | 3 | C | |
| Elective | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 4 | C | • Students must select one of the two tracks listed below to complete the degree.<br>• Students following the Integrative Nutrition track should take NTR 480 in this term.<br>• Students following the Nutrition Research track should take NTR 390 in this term.<br>• Reach out to advising for more information on upcoming capstone. |
| Upper Division Track Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 361: Advanced Principles of Biochemistry | 3 | C | • Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Students following the Integrative Nutrition track should take HSC 300 in this term.<br>• Students following the Nutrition Research track should take NTR 490 in this term. |
| NTR 341: Medical Nutrition Therapy I | 3 | C | |
| Upper Division Track Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 440: Advanced Human Nutrition I | 3 | C | • Students following the Integrative Nutrition track should take NTR 350 in this term.<br>• Students following the Nutrition Research track should take CHS 494: Capstone in this term.<br>• Develop your professional online presence. |
| Upper Division Track Course | 3 | C | |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | |
| NTR 450: Nutrition in the Life Cycle (SB) | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NTR 441: Advanced Human Nutrition II | 3 | C | • All students should take CHS 494: Capstone as their track course in this term.<br>• CHS 494: Capstone fulfills the college's experiential learning requirement. |
| Upper Division Track Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |

| | |
|---|---|
| *Complete 2 courses:*<br>Elective | 4 |
| Term hours subtotal: | 13 |

- Students must select and follow one of the two tracks to complete the degree.
- The Nutrition Research track requires students to complete six credits of CHS 494 Capstone.

Hide Course List(s)/Track Group(s)

| Integrative Nutrition | Nutrition Research |
|---|---|
| CHS 494: Capstone | CHS 494: Capstone |
| HSC 300: Complementary Health Care | CHS 494: Capstone |
| NTR 350: Nutrition Counseling | NTR 390: Current Nutrition Research |
| NTR 480: Integrative and Functional Nutrition | NTR 490: Undergraduate Research Methods in Nutrition |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Population Health, BS

School/College: College of Health Solutions
Location: Downtown Phoenix, West
NHPOPHLBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• Students interested in pursuing graduate school should take a higher level math in Term 1 (or later as an elective for those placing into MAT 117 in Term 1).<br>• Join a student club or professional organization. |
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) | 3 | C | |
| SOC 101: Introductory Sociology (SB) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • First-year students must complete CHS 100; students who enter with more than 45 hours may complete CHS 300.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| POP 100: Introduction to Population Health | 3 | C | |
| Elective ( SOS 110 OR SOS 111 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 280: Experiential Community Health and Research | 3 | | • Students can complete any topic offered under CHS 280.<br>• Secure a part-time job or volunteer opportunities to gain experience.<br>• Become a student member of a professional organization. |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:* Elective ( NTR 100 recommended) | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| HCD 201: Economics for Health Majors OR ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | C | • Explore an internship.<br>• MED 394 Topic: Healthcare and Humanities is recommended for the elective. |
| BMI 102: Introduction to Population Health Informatics | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective ( ENG 203 OR HEP 102 OR MED 394 recommended) | 6 | | |
| Term hours subtotal: | 15 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHS 340: Health Theory | 3 | C | • Gather professional references. |
| HCD 300: Biostatistics (CS) | 3 | C | |
| HSC 310: Health Communication | 3 | C | |
| MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| POP 333: Systems Thinking in Population Health | 3 | C | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) | 3 | C | • Develop your professional online presence.<br>• Review the list below and visit the CHS student website to explore experiential learning opportunities to take in Terms 7 and 8 that are specific to your major. |
| HCD 332: Population Health Policy and Legislation | 3 | C | |
| HEP 444: Epidemiology | 3 | C | |
| HCD 402: Health Economics | 3 | C | |
| PBH 422: Health Disparities and Access to Health | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 3 courses:*<br>Track Focus Area Course | 9 | C | • Students must select and follow a single track below to complete a total of 18 credit hours, at least six of which must be upper division.<br>• Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major. |
| MED 445: Prevention and Management of Chronic Disease | 3 | C | |
| Upper Division Experiential Learning Course | 3 | C | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Experiential Learning Course | 3 | C | • Students must select and follow a single track below to complete a total of 18 credit hours, at least six of which must be upper division.<br>• Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major. |
| *Complete 2 courses:*<br>Upper Division Track Focus Area Course | 6 | C | |
| Track Focus Area Course | 3 | C | |
| Elective ( ASB 100 recommended) | 3 | | |
| Term hours subtotal: | 15 | | |

- Population Health students must select and follow a single track to complete a total of 18 credit hours, at least six of which must be upper division. The selected track will allow students to move confidently into a career or into a population health graduate program.
- The population health program is designed to prepare students for future career and educational opportunities through hands on experiential learning. Students are required to complete nine credits of experiential learning coursework for the program, six of which must be upper division. Three credits of experiential learning are achieved through CHS 280, which offers several topics that students can choose from including Introduction to Citizen Science and Health, Translational Team, and Health Applications and Experience. Students select the remaining six credits of upper division experiential learning from a list of major specific course options below. The CHS student website also has up to date information on opportunities to fulfill this requirement, including research and internships, that are relevant to each major. Students should contact their academic advisor with any questions.

Hide Course List(s)/Track Group(s)

| Environmental Systems Track |
| --- |
| HEP 394: Health and Climate Change |
| HST 345: Environmental History (L) |
| PAF 340: Contemporary Policy Challenges |
| PBH 435: Environmental and Occupational Health |
| PHI 310: Environmental Ethics (HU) |
| PUP 301: Introduction to Urban Planning (L) |
| SGS 330: Globalization and the Environment: Problems and Solutions |
| SOS 494: Social-ecological Systems & Adaptation |

| Food Systems Track |
| --- |
| AGB 414: Food and Agribusiness Policy Issues (L) |
| ASB 300: Food and Culture ((L or SB) & C) |
| HCR 494: Food Safety and Protection |
| MCO 494: Food and Media |
| NTR 348: Cultural Aspects of Food (SB & C & G) |
| PAF 340: Contemporary Policy Challenges |
| SOS 110: Sustainable World (SB) or SOS 111: Sustainable Cities ((HU or SB) & G) |
| SOS 327: Sustainable Food and Farms |

| Health Care Compliance and Regulations Track |
| --- |
| HCR 259: Compliance and the Health Care Industry |
| HCR 263: Introduction to Medical Billing and Compliance |
| HCR 360: Data Security and Privacy in Health Care Compliance |
| HCR 362: Monitoring and Auditing for Health Care Compliance |
| HCR 460: Investigations and Disclosures in Health Care Compliance |
| HSC 432: Legal Issues in Health Care |

| Health Education Specialist Track |
| --- |
| HEP 241: Health Education Methods for Injury Prevention and Preparedness or HEP 251: Preventing HIV and Substance Misuse or HEP 303: Human Sexuality for Health Education or HEP 350: Substance Use and Addictive Behaviors or HEP 361: Digital Health Communication and Education or HEP 371: Conflict Management and Mediation and Violence Prevention or HEP 380: Body Image and Wellness or HEP 443: Emotional Health and Interpersonal Relationships or HEP 476: Community Health |
| HEP 348: Methods of Health Education |
| HEP 452: Health Advocacy in Health Education |
| HEP 454: Health Promotion Program Planning and Implementation (L) |
| HEP 456: Health Promotion Program Evaluation |

| Health Informatics Track |
| --- |
| ASM 201: Epidemics and Outbreaks |
| BMI 311: Modeling Biomedical Knowledge |
| BMI 312: Modeling Biomedical Data |
| BMI 410: Database Management in Health Care |
| GIS 205: Geographic Information Science I (CS) |
| GIS 211: Geographic Information Science II (CS) |

| Health Systems Design and Improvement Track |
| --- |
| HCD 304: Health Care Finance |
| HCD 330: Health Care Systems in the U.S. |
| HCD 403: Process Engineering |
| HCD 420: Population Health Management |
| HEP 454: Health Promotion Program Planning and Implementation (L) |
| HSC 432: Legal Issues in Health Care |
| SOC 427: Sociology of Health and Illness (SB) |

HEP 466: Health Promotion Program Management and Administration

| Mental Health Systems Track |
| --- |
| EXW 400: Stress Management for Wellness |
| HCD 420: Population Health Management |
| HEP 350: Substance Use and Addictive Behaviors |
| HEP 443: Emotional Health and Interpersonal Relationships |
| MED 417: Impact of Violence on Health |
| PAF 340: Contemporary Policy Challenges |
| PBH 410: Public Mental Health |

| Experiential Learning Course |
| --- |
| The following courses are the most relevant for your major, but other options may be possible. See your advisor. |
| CHS 394: CHS Peer Instructional Facilitator |
| CHS 484: Applied Health Experience |
| CHS 484: Citizen Science in Health |
| CHS 484: Translational Research |
| CHS 493: Honors Thesis (L) |
| CHS 494: Advanced Undergraduate Teaching Assistant |
| CHS 494: Undergraduate Research |
| HCR 471: Interprofessional Education and Community Health |
| MED 325: Elements of Hospice and Palliative Care |
| MED 375: Alzheimer's and Other Dementias (SB) |
| MED 475: Palliative Care: Managing Complex Serious Illness |
| POP 444: Population Health Field Experience |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Health, BS

School/College: College of Health Solutions
Location: Downtown Phoenix
NHPBHBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• Students interested in pursuing a masters in public health program are encouraged to take MAT 117. |
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | |
| POP 100: Introduction to Population Health | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • First-year students must take CHS 100; students who enter with more than 30 hours must take CHS 300 instead.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc.<br>• Join a student club or professional organization. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEP 102: Foundations of Health Education and Health Promotion | 3 | C | • Start volunteering for health organizations and shadowing health professionals to learn more about opportunities in the field.<br>• Create a first draft resume.<br>• Develop your skills. |
| CHM 101: Introductory Chemistry (SQ) | 4 | C | |
| HCD 201: Economics for Health Majors | 3 | C | |
| *Complete 2 courses:* Elective | 5 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| HCD 300: Biostatistics (CS) | 3 | C | • Visit the CHS student website to explore research and internship opportunities.<br>• Secure a part-time job or volunteer experience.<br>• Continue volunteering and shadowing in health organizations. |
| BMI 102: Introduction to Population Health Informatics | 3 | C | |
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 340: Health Theory | 3 | C | • Thinking about graduate school? Consider registering for a grad school test prep course . |
| HCD 400: Interpreting the Scientific Literature | 3 | C | |
| MED 320: Applied Medical/Health Care Ethics (HU) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HEP 444: Epidemiology | 3 | C | • Select Upper Division Major Electives from the list below.<br>• HEP 394: Health and Climate Change is the recommended elective.<br>• Continue gaining hands on experience. |
| EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Major Elective | 6 | C | |
| Elective ( HEP 394 recommended) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCD 402: Health Economics | 3 | C | • Select Upper Division Major Elective from the list below.<br>• Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| HSC 310: Health Communication | 3 | C | |
| Upper Division Major Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POP 444: Population Health Field Experience | 3 | C | • Study for the health education specialist exam.<br>• Apply for full-time career opportunities.<br>• POP 444 fulfills the college's experiential learning requirement. |
| PBH 410: Public Mental Health | 3 | C | |
| PBH 435: Environmental and Occupational Health | 3 | C | |
| Upper Division Major Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- Students can apply a maximum of 3-credits of CHS 494 Undergraduate Research toward the upper division major elective requirement.

Hide Course List(s)/Track Group(s)

| Upper Division Major Electives |
| --- |
| AGB 414: Food and Agribusiness Policy Issues (L) |
| CHS 494: Undergraduate Research |
| HCD 302: Health Care Management |
| HCD 330: Health Care Systems in the U.S. |
| HCD 332: Population Health Policy and Legislation |
| HCD 420: Population Health Management |
| HEP 454: Health Promotion Program Planning and Implementation (L) |
| HEP 456: Health Promotion Program Evaluation |
| MED 417: Impact of Violence on Health |
| MED 445: Prevention and Management of Chronic Disease |
| PAF 340: Contemporary Policy Challenges |
| PUP 301: Introduction to Urban Planning (L) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Speech and Hearing Science, BS

School/College: College of Health Solutions
Location: Tempe
LASHSBS

**The BS/MS accelerated option for this program is not currently available to ASU Online students.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• First-year students must complete CHS 100; students who enter with more than 30 hours should complete CHS 300. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) | 3 | C | • Students who intend to take PSY 230 for the statistics requirement must complete MAT 170.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information and more.<br>• Join a student club or professional organization. |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.80 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • A minimum GPA of 3.50 is typically required for admission to graduate programs. |
| PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | |
| SHS 205: Exploring Communication Disorders in Children and Adults | 3 | C | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Elective | 6 | |
| Maintain 2.80 GPA in Critical Tracking Courses. | | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| **Term 4 47 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 101: Introduction to Physics (SQ) | 4 | C | • Create a first draft resume. |
| SHS 250: Introduction to Phonetics | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Maintain 2.80 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SHS 310: Anatomical and Physiological Bases of Speech | 3 | C | • A minimum GPA of 3.50 is typically required for admission to graduate programs.<br>• Use Handshake to research employment opportunities. |
| SHS 311: Hearing Science | 3 | C | |
| ENG 301: Writing for the Professions (L) | 3 | C | |
| SHS 367: Language Science (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 78 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SHS 375: Speech Science | 3 | C | • Visit the ASHA website for more information on graduate application procedures and career opportunities.<br>• Complete an in person or virtual practice interview. |
| SHS 401: Principles of Audiology | 3 | C | |
| SHS 465: Speech and Language Acquisition (SB) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 93 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SHS 470: Developmental Speech and Language Disorders | 3 | C | • Gather professional references.<br>• All CHS students must complete a minimum of three credits of experiential learning. Select a course from the list below to take in Term 8 and visit the CHS student website for more information on opportunities, including research and internships, specific to your major.<br>• A minimum GPA of 3.50 is typically required for admission to graduate programs. |
| SHS 496: Aural Rehabilitation | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| | | **Minimum** | |
|---|---|---|---|

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ SHS 485: Acquired Speech and Language Disorders | 3 | C | • Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major. |
| SHS 402: Clinical Methods and Treatment of Communication Disorders | 3 | C | |
| Experiential Learning Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- CHS students are required to complete a minimum of three credits of experiential learning coursework. A list of recommended courses is below. The CHS student website also has up to date information on opportunities to fulfill this requirement, including research and internships, that are relevant to each major. Students should contact their academic advisor with any questions.

Hide Course List(s)/Track Group(s)

| Experiential Learning Course |
|---|
| The following courses are the most relevant for your major, but other options may be possible. See your advisor. |
| CHS 280: Experiential Community Health and Research |
| CHS 394: CHS Peer Instructional Facilitator |
| CHS 484: Applied Health Experience |
| CHS 484: Citizen Science in Health |
| CHS 484: Translational Research |
| CHS 493: Honors Thesis (L) |
| CHS 494: Advanced Undergraduate Teaching Assistant |
| CHS 494: Undergraduate Research |
| SHS 484: Pre-Audiology Experience |
| SHS 484: SLPA Certificate |
| SHS 498: Advanced Research Experience in Speech/Hearing Sci (L) |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Speech and Hearing Science, BS

School/College: College of Health Solutions
Location: Online, ASU Local
LASHSBS

**The BS/MS accelerated option for this program is not currently available to ASU Online students.**

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions students take CHS 101 to fulfill this requirement.<br>• First-year students must complete CHS 100; students who enter with more than 30 hours should complete CHS 300. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Historical Awareness (H) | 3 | | • View ASU Online first-year student registration information here. |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • Visit the CHS Student Site for resources, forms, appointment scheduling, internship information and more.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Maintain 2.80 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) | 3 | C | • Students who intend to take PSY 230 for the statistics requirement must complete MAT 170. |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.80 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | • A minimum GPA of 3.50 is typically required for admission to graduate programs. |
| SHS 205: Exploring Communication Disorders in Children and Adults | 3 | C | |
| Complete First-Year Composition requirement. | | | |
| Maintain 2.80 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 31 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 160: Introduction to Anatomy and Physiology (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.80 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 101: Introduction to Physics (SQ) | 4 | C | • SHS 250 is usually offered in Session C.<br>• Create a first draft resume. |
| SHS 250: Introduction to Phonetics | 3 | C | |
| Maintain 2.80 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Maintain 2.80 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • A minimum GPA of 3.50 is typically required for admission to graduate programs. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SHS 310: Anatomical and Physiological Bases of Speech | 3 | C | • Use Handshake to research employment opportunities |
| SHS 367: Language Science (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SHS 311: Hearing Science | 3 | C | • Visit the ASHA website for more information on graduate application procedures and career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 301: Writing for the Professions (L) | 3 | C | • Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SHS 375: Speech Science | 3 | C | • A minimum GPA of 3.50 is typically required for admission to graduate programs. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SHS 401: Principles of Audiology | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SHS 465: Speech and Language Acquisition (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SHS 470: Developmental Speech and Language Disorders | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SHS 485: Acquired Speech and Language Disorders | 3 | C | • All CHS students must complete a minimum of three credits of experiential learning. Select a course from the list below to take in Term 10-A and visit the CHS student website for more information on opportunities, including research and internships, specific to your major.<br>• Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SHS 402: Clinical Methods and Treatment of Communication Disorders | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Experiential Learning Course | 3 | C | |

| | | | |
|---|---|---|---|
| SHS 496: Aural Rehabilitation | 3 | C | • Select an experiential learning course from the list below and visit the CHS student website for more information on opportunities specific to your major.<br>• Many Experiential Learning course options are offered in Session C. |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 3 | | |

- CHS students are required to complete a minimum of three credits of experiential learning coursework. A list of recommended courses is below. The CHS student website also has up to date information on opportunities to fulfill this requirement, including research and internships, that are relevant to each major. Students should contact their academic advisor with any questions.

Hide Course List(s)/Track Group(s)

| Experiential Learning Course |
|---|
| The following courses are the most relevant for your major, but other options may be possible. See your advisor. |
| CHS 280: Experiential Community Health and Research |
| CHS 394: CHS Peer Instructional Facilitator |
| CHS 484: Applied Health Experience |
| CHS 484: Citizen Science in Health |
| CHS 484: Translational Research |
| CHS 494: Advanced Undergraduate Teaching Assistant |
| CHS 494: Undergraduate Research |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sports Science and Performance Programming, BS

School/College: College of Health Solutions
Location: Downtown Phoenix, West
NHSPTSPPBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHS 101: The ASU Experience for Health Solutions Students | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. College of Health Solutions majors take CHS 101 to fulfill this requirement.<br>• Students interested in pursuing graduate school should take a higher level math in term 1 (or later as an elective for those placing into MAT 117 in term 1).<br>• Join the Athletics Affinity Network.<br>• Join a student club or professional organization such as the National Strength and Conditioning Association. |
| KIN 101: Introduction to Kinesiology | 3 | C | |
| CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SSP 142: Sports Performance Practical Training | 3 | C | • First-year students must take CHS 100; students who enter with more than 30 hours must take CHS 300 instead.<br>• Review scholarship renewal criteria to ensure adequate enrollment.<br>• Visit the CHS Student Site for resources, forms, appointment scheduling, internship information, etc. |
| CHS 100: Optimizing Your Health and Performance (SB) OR CHS 300: An Exploration of Well-Being (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Secure a part-time job or volunteer experience.<br>• Become a student member of a professional organization.<br>• Review experiential learning opportunities or explore an internship to prepare for SSP 275 in Term 4. |
| HCD 300: Biostatistics (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | |
| NTR 241: Human Nutrition | 3 | C | |
| SSP 242: Resistance Training Foundations for Performance | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

| Term 4 45 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Explore an internship.<br>• Obtaining volunteer hours at a sports performance facility is highly recommended<br>• Attend a local clinic or conference. |
| SSP 275: Experiential Seminar for Sports Science | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 61 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SSP 325: Applied Anatomy and Biomechanics of Sport and Movement | 4 | C | • Develop your professional online presence .<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Explore the MS in Strength and Conditioning. |
| SSP 315: Exercise and Sport Physiology AND SSP 316: Exercise and Sport Physiology Laboratory | 4 | C | |
| SSP 320: Coaching Leadership, Performance Team and Facility Management | 3 | C | |
| Upper Division Elective | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SSP 434: Plyometrics, Sports Movement and Conditioning | 3 | C | • Gather professional references.<br>• Students are required to attend a pre-internship workshop prior to enrolling in SSP 484.<br>• Review scholarship renewal criteria to ensure adequate enrollment. |
| SSP 460: Resistance Training Application and Theory | 3 | C | |
| KIN 348: Psychological Skills for Optimal Performance (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SSP 461: Performance Programming Components and Periodization | 3 | C | • Select major elective courses from the list below.<br>• Students that plan to sit for the Certified Strength and Conditioning Specialist (CSCS) exam may want to take NTR 457 as a major elective.<br>• Students are required to attend a pre-internship workshop prior to enrolling in SSP 484. |
| SSP 423: Performance Testing and Technology | 3 | C | |
| Upper Division Major Electives | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ SSP 484: Internship | 3 | C | • Select major elective courses from the list below.<br>• Register for the Certified Strength and Conditioning Specialist (CSCS) exam.<br>• SSP 484 fulfills the college's experiential learning requirement. |
| Upper Division Major Electives | 3 | C | |
| Upper Division Elective | 1 | | |
| *Complete 3 courses:*<br>Elective | 8 | | |
| Term hours subtotal: | 15 | | |

- Students can apply up to six credits of SSP 484: Internship toward Sports Science & Performance Programming major requirements. Completions beyond six credits will apply toward general electives.

Hide Course List(s)/Track Group(s)

| Major Electives |
|---|
| CHS 394: CHS Peer Instructional Facilitator |
| CHS 494: Advanced Undergraduate Teaching Assistant |
| CHS 494: Undergraduate Research |
| CHS 499: Individualized Instruction |
| EXW 344: Impact of Physical Activity on Health and Disease (L) |
| KIN 345: Motor Behavior |
| KIN 415: Theory of Corrective Exercise |
| KIN 424: Neural Aspects of Movement and Rehabilitation |
| KIN 441: Physiology of Women in Sport (L) |
| KIN 465: Muscle Physiology |
| NTR 457: Sports Nutrition |
| NTR 494: Applied Practice in Nutrition |
| SSP 484: Internship |
| SSP 494: Sports Medicine |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# Barrett, The Honors College Overview and Requirements

Barrett, The Honors College curriculum is designed to develop students' habits of mind that enable them to be lifelong learners, creative problem solvers, and participatory citizens in a democratic society. Barrett emphasizes:

- small classes and seminars
- multidisciplinary team-taught courses and other engaged modes of learning
- development of critical reading, discussion, and writing skills

Barrett honors faculty fellows who specialize in honors pedagogy are responsible for offering the core honors curriculum through honors signature seminars and special topics courses. Barrett also collaborates with all colleges at ASU to offer honors seminars and sections, honors enrichment contracts, and undergraduate research, thesis, and creative project opportunities.

### Admission to Barrett

Students first apply to ASU and then submit a separate application to Barrett.

Lower division entry: Students who begin with Barrett in their first year of college are required to take the HON 171 and HON 272: The Human Event course sequence, turn in either a successfully defended thesis or creative project, and complete 36 honors credit hours (18 of these credits must be upper-division coursework) with a cumulative GPA of 3.25 upon graduation.

Students in their first semester at ASU who are looking to join the honors college in their second semester may submit a Barrett lower division application if they will have three and a half academic years remaining to address the Barrett lower division requirements.

Upper division entry: Students who begin with Barrett midway through their college careers are required to take HON 370: History of Ideas, turn in either a successfully defended thesis or creative project, and complete 21 upper-division honors credit hours with a cumulative GPA of 3.25 upon graduation.

Transfer students: Students who have graduated or will graduate from an Arizona Community College honors program and who are joining Barrett as upper-division students complete 18 credit hours of an honors curriculum to graduate from Barrett, rather than 21 hours. The course HON 370: History of Ideas and the thesis experience remain required components of the program.

ASU Online students: Online students who have earned a minimum of 24 credits post high school graduation, including completing the ASU first-year composition requirement, and have a minimum of 60 credits remaining until intended ASU graduation, are invited to apply to join as a Barrett Online student. Barrett Online students are required to take HON 370: History of Ideas as a live synchronous course offered via Zoom, turn in either a successfully defended thesis or creative project, and complete 21 upper-division honors credit hours with a cumulative GPA of 3.25 upon graduation.

### Honors Signature Courses

All Barrett students are required to complete required signature courses and seminars taught by honors faculty fellows.

Students entering the college at the lower division are required to complete a two-semester sequence of HON 171 and HON 272: The Human Event. This is an interdisciplinary seminar focusing on key social and intellectual currents in the development of humanity. Students examine human thought and imagination from various disciplines, including philosophy, history, literature, religion, science, social science, and art. Coursework emphasizes critical thinking, discussion, and argumentative writing.

Transfer students entering at the upper division complete a one-semester seminar, reserved for them, titled HON 370: History of Ideas. The texts are generally selected based on a theme of the instructors' choosing. Coursework emphasizes critical thinking, discussion, and argumentative writing.

### Honors Thesis or Creative Project

The Barrett honors thesis or creative project is the culmination of a student's entire honors experience and undergraduate education. The thesis provides students with the opportunity to work closely with faculty and advance knowledge in the discipline in a meaningful way. A thesis or creative project demonstrates experience with design, execution, analysis, and presentation in the chosen field of study.

Students typically enroll in departmental courses numbered 492 and 493 for thesis work under the supervision of the ASU faculty thesis director. Passing credit in 493 will result in fulfillment of the student's upper division Literacy and Critical Inquiry (L) General Studies requirement.

Students may select their own thesis topic and supervising faculty member inside or outside their academic majors. Additionally, students may participate in honors thesis pathways programs. Thesis pathways are unique thesis opportunities in which students can be paired with faculty on interesting and engaging topics. The pathway options provide students a structured experience in completing their thesis while researching a topic that interests them.

Required thesis or creative project elements include a thesis committee, approved thesis prospectus, thesis defense form, formal thesis defense event, and the final thesis work (approved by the thesis committee) which must be submitted to the Barrett Thesis Digital Repository.

### Honors Credit Hours and Academic Opportunities

Students are responsible for earning honors credit hours outside of the HON signature courses and the thesis or creative project. They may do so by obtaining a grade of "C" or "Y" through participation in:

- honors sections
- honors enrichment contracts
- honors Special Topics courses
- internship, teaching assistant, and research credit
- honors study abroad programs
- T.W. Lewis honors coursework
- graduate-level (500+) coursework

**Honors Progress and Support**

A dedicated honors advisor is assigned to each incoming Barrett student. Barrett honors advising is mandatory for students. The honors advisor provides tools for navigating honors requirements, such as the Degree Audit Reporting System, or DARS, and connects students to campus-wide resources, extraordinary opportunities, and programs that create a unique honors experience. Additionally, Barrett students have an assigned major advisor in the college or department of their academic major and a faculty honors advisor.

Faculty honors advisors are disciplinary faculty members who serve as liaisons between their academic units and Barrett, The Honors College. Faculty honors advisors assist students with academic opportunities, information on graduate school, advice on the related field and profession, and assistance with the honors thesis or creative project. Barrett students are encouraged to work with these advisors throughout their undergraduate experience.

Questions should be directed to Barrettadvising@asu.edu.

## Lower Division Curriculum

**6 credits**
The Human Event

**6 credits**
Thesis/Creative Project

**24 credits**
- Honors Sections
- Enrichment Contracts
- Special Topics Courses
- Internships/Research
- Barrett Study Abroad
- T.W. Lewis Center
- Graduate courses (500+ level)

**Remaining credits**
Degree requirements

Advisors recommend earning 9 honors credits per year

## Upper Division Curriculum

**3 credits**
History of Ideas

**6 credits**
Thesis/Creative Project

**12 credits**
- Honors Sections
- Enrichment Contracts
- Special Topics Courses
- Internships/Research
- Barrett Study Abroad
- T.W. Lewis Center
- Graduate courses (500+ level)

**Remaining credits**
Degree requirements

Advisors recommend earning 9 honors credits per year

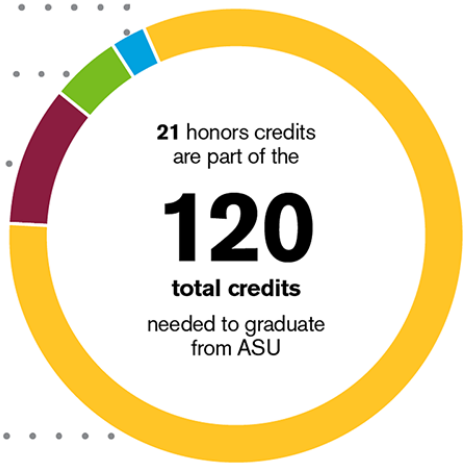
# Barrett Online Curriculum

**3 credits**
The History of Ideas

**6 credits**
Thesis/Creative Project

**12 credits**
- Honors Sections
- Enrichment Contracts
- Special Topics Courses
- Internships/Research
- Barrett Study Abroad
- T.W. Lewis Center
- Graduate courses (500+ level

**Remaining credits**
Degree requirements




Advisors recommend earning 9 credit hours per year

# 2023 - 2024 Major Map

## Applied Biological Sciences (Applied Biological Sciences), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
TSABSABS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student club or professional organization. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ABS 100: Discovering the Professions | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 29 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence. All other students will complete PHY 101 and elective hours.<br>• Secure a part-time job or volunteer experience. |
| PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Applied Biological Sciences Track | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 43 - 59.5 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | • Students considering graduate school or health professions should complete the following: CHM 233 and CHM 237, and CHM 234 and CHM 238 (instead of CHM 231 and CHM 235).<br>• Students considering graduate school or health professions should complete PHY 112 and 114 in term 4 as part of their electives. |
| ABS 200: Building Your Professional Self | .5 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16.5 | | |

| **Term 5 59.5 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ABS 370: Ecology | 3 | C | |
| ABS 300: Career Competencies and Skills | .5 | C | • Students considering graduate school or health professions should complete CHM 234 and CHM 238 as part of their electives in this term.<br>• Connect with faculty to seek opportunities for research.<br>• Use Handshake to research employment opportunities. |
| Applied Biological Sciences Track | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15.5 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ABS 311: Molecular and Cellular Biology OR ABS 314: Applied Plant Physiology OR BIO 360: Animal Physiology | 3 | C | |
| Upper Division Applied Biological Sciences Track | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 104 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS) | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| ABS 490: Applied Biological Sciences Seminar | 1 | C | |
| BIO 340: General Genetics | 4 | C | |
| Upper Division Applied Biological Sciences Track | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

| **Term 8 104 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Applied Biological Sciences Track | 6 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 10 | | |
| Term hours subtotal: | 16 | | |

- Students select one of two Applied Biological Sciences Tracks and complete 18 hours from within that track.

Hide Course List(s)/Track Group(s)

| Applied Biological Sciences Health Track |
| --- |
| ABS 302: Ethical and Policy Issues in Biology |
| ABS 312: Structure and Function |
| ABS 318: Unseen Life on Earth |
| ABS 355: Ecology and Adaptations of Vertebrates |
| ABS 394: Food and Human Health |
| ABS 394: Medicine and Culture |
| ABS 417: Comparative Immunology |
| ABS 484: Internship |
| ABS 494: Anatomy Practicum |
| ABS 494: Emerging Infections & Epidemics |
| ABS 494: Natural Products & Drug Discovery |
| BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory |
| BIO 201: Human Anatomy and Physiology I (SG) |
| BIO 202: Human Anatomy and Physiology II (SG) |
| BIO 351: Developmental Biology |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) |
| SPA 118: Basic Spanish for Health Care Professionals |

| Applied Biological Sciences General Biology Track |
| --- |
| ABS Elective |
| BIO Elective |
| BCH Elective |
| MIC Elective |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Applied Biological Sciences (Natural Resource Ecology), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSABSNRBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-CLS: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your Career Interest Communities and play me3@ASU. |
| BIO 181: General Biology I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student club or professional organization. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ABS 100: Discovering the Professions | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 29 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • Students in the Wildlife Track should take ABS 274. Students in the Rangelands/Watershed Track should take ABS 225/226.<br>• Secure a part-time job or volunteer experience. |
| ABS 270: Sustainable Biological Systems | 3 | C | |
| ABS 274: Introduction to Wildlife Management OR ABS 225: Soils (SQ) AND ABS 226: Soils Laboratory (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 17 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 46 - 62.5 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| ABS 207: Applied Plant Taxonomy | 3 | C | • Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All other students will complete CHM 231/235. |
| ABS 200: Building Your Professional Self | .5 | C | |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16.5 | | |

| Term 5 62.5 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 350: Applied Statistics (CS) | 3 | C | • Students considering graduate school should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students can complete PHY 101.<br>• Connect with faculty to seek opportunities for research. |
| ABS 370: Ecology | 3 | C | |
| Upper Division Natural Resource Ecology Track | 3 | C | |
| ABS 300: Career Competencies and Skills | .5 | C | |
| PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16.5 | | |

| Term 6 79 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 311: Molecular and Cellular Biology OR ABS 314: Applied Plant Physiology OR BIO 360: Animal Physiology | 3 | C | • Students in the Wildlife Track should take ABS 355. Students in the Rangelands/Watershed Track should take ABS 430.<br>• Use Handshake to research employment opportunities. |
| ABS 355: Ecology and Adaptations of Vertebrates OR ABS 430: Watershed Management | 3 | C | |
| *Complete 2 courses:* Upper Division Natural Resource Ecology Track | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 490: Applied Biological Sciences Seminar | 1 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| BIO 340: General Genetics | 4 | C | |
| Upper Division Natural Resource Ecology Track | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 14 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 479: Ecosystem Management and Planning (L) | 3 | C | |
| ABS 484: Internship OR Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| Upper Division Elective | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 12 | |

- Students select one of three Natural Resource Ecology Tracks and complete 12 hours from within that track.

Hide Course List(s)/Track Group(s)

| General Track (12 Credits) | Wildlife Track (12 Credits) | Rangeland and Watershed Track (12 Credits) |
|---|---|---|
| ABS 312: Structure and Function | ABS 376: Wildlife Ecology | ABS 368: Plant Propagation |
| ABS 318: Unseen Life on Earth | ABS 378: Animal Nutrition | ABS 376: Wildlife Ecology |
| ABS 376: Wildlife Ecology | ABS 384: Natural Resources Measurements | ABS 380: Restoration and Wildlife Plants |
| ABS 378: Animal Nutrition | ABS 470: Life History of Mammals | ABS 384: Natural Resources Measurements |
| ABS 380: Restoration and Wildlife Plants | ABS 472: Applied Herpetology | ABS 434: Soil Ecology |
| ABS 384: Natural Resources Measurements | ABS 473: Applied Ornithology | ABS 440: Ecological Restoration Techniques |
| ABS 417: Comparative Immunology | ABS 475: Habitat Management for Small Wildlife | ABS 441: Ecological Restoration Practicum |
| ABS 434: Soil Ecology | ABS 476: Big Game Habitat Management | ABS 474: Riparian Ecosystem Management |
| ABS 440: Ecological Restoration Techniques | ABS 485: GIS in Natural Resources | ABS 476: Big Game Habitat Management |
| ABS 441: Ecological Restoration Practicum AND ABS 470: Life History of Mammals | ABS 486: Introduction to Remote Sensing | ABS 481: Riparian and Wetland Restoration |
| ABS 472: Applied Herpetology | ABS 494: Applied Populations and Habitat Ecology | ABS 485: GIS in Natural Resources |
| ABS 473: Applied Ornithology | ABS 494: Emerging Infections & Epidemics | ABS 486: Introduction to Remote Sensing |
| ABS 474: Riparian Ecosystem Management | | ABS 494: Applied Populations and Habitat Ecology |
| ABS 485: GIS in Natural Resources | | ABS 494: Rangeland Ecosystem Management |
| ABS 486: Introduction to Remote Sensing | | |
| ABS 489: Undergraduate Research | | |
| ABS 494: Applied Populations and Habitat Ecology | | |
| ABS 494: Emerging Infections & Epidemics | | |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Biological Sciences (Pre-Dental), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSABSPDBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student club or professional organization. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ABS 272: Discovering Dentistry | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 31 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • Secure a part-time job or volunteer experience. |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete ABS 272 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 45 - 60.5 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | |
| ABS 200: Building Your Professional Self | .5 | C | |
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15.5 | | |

| Term 5 60.5 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 311: Molecular and Cellular Biology | 3 | C | • Prepare for the Dental Admission Test (DAT). Visit ASU's Pre-Dental Pathway page for more information.<br>• Choose Upper Division Pre-Dental Electives from the list at the bottom of the major map.<br>• Use Handshake to research employment opportunities.<br>• Connect with faculty to seek opportunities for research. |
| ABS 300: Career Competencies and Skills | .5 | C | |
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | |
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| Upper Division Pre-Dental Elective | 3 | C | |
| Term hours subtotal: | 14.5 | | |

| Term 6 75 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | • Choose Upper Division Pre-Dental Electives from the list at the bottom of the major map. |
| CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II | 4 | C | |
| Upper Division Pre-Dental Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 89 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 490: Applied Biological Sciences Seminar | 1 | C | • Gather professional references.<br>• Choose Upper Division Pre-Dental Electives from the list at the bottom of the major map.<br>• Apply for full-time career opportunities. |
| ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| ABS 422: Head and Neck Anatomy | 3 | C | |
| BCH 361: Advanced Principles of Biochemistry | 3 | C | |
| Upper Division Pre-Dental Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 417: Comparative Immunology | 3 | C | • Choose Upper Division Pre-Dental Electives from the list at the bottom of the major map. |
| ABS 484: Internship OR Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Upper Division Pre-Dental Elective | 6 | C | |

| | | |
|---|---|---|
| Upper Division Elective | 1 | |
| Elective | 2 | |
| Term hours subtotal: | 15 | |

Hide Course List(s)/Track Group(s)

| Upper Division Pre-Dental Electives |
|---|
| ABS 302: Ethical and Policy Issues in Biology |
| ABS 318: Unseen Life on Earth |
| ABS 355: Ecology and Adaptations of Vertebrates |
| ABS 484: Internship |
| ABS 489: Undergraduate Research |
| ABS 494: Emerging Infections & Epidemics |
| ABS 494: Mammalian Gross Anatomy |
| ASM 345: Disease and Human Evolution |
| BIO 351: Developmental Biology |
| BIO 360: Animal Physiology |
| CHS 308: Comparative Health Systems |
| PHY 394: Basics of Medical Physics |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC subject areas.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Biological Sciences (Pre-Dental), BS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSABSPDBS

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.

| **Term 1 - A 0 - 8 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 8 | | |

| **Term 1 - B 8 - 15 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • View ASU Online first-year student registration information here. |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Term hours subtotal: | 7 | | |

| **Term 2 - A 15 - 22 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| **Term 2 - B 22 - 29 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • Join a student club or professional organization. |
| ABS 272: Discovering Dentistry | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| **Term 3 - A 29 - 36 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | |
|---|---|---|
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Term hours subtotal: | 7 | |

| **Term 3 - B 36 - 43 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | • Secure a part-time job or volunteer experience. |
| PSY 101: Introduction to Psychology (SB) | 3 | | |
| Complete ABS 272 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| **Term 4 - A 43 - 50.5 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | |
| ABS 200: Building Your Professional Self | 0.5 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 7.5 | | |

| **Term 4 - B 50.5 - 57.5 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 7 | | |

| **Term 5 - A 57.5 - 65 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ABS 311: Molecular and Cellular Biology | 3 | C | |
| ABS 300: Career Competencies and Skills | 0.5 | C | |
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| Term hours subtotal: | 7.5 | | |

| **Term 5 - B 65 - 72 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Prepare for the Dental Admission Test (DAT). Visit ASU's Pre-Dental page for more information.<br>• Use Handshake to research employment opportunities.<br>• Connect with faculty to seek opportunities for research. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| **Term 6 - A 72 - 78 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Choose an Upper Division Pre-Dental Elective from the list at the bottom of the major map. |
| Upper Division Pre-Dental Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| | | **Minimum** | |
|---|---|---|---|

| Term 6 - B 78 - 87 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| CHM 234: General Organic Chemistry II | 3 | C | • Choose an Upper Division Pre-Dental Elective from the list at the bottom of the major map. |
| Upper Division Pre-Dental Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Summer 6 87 - 89 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | • ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Term hours subtotal: | 2 | | |

| Term 7 - A 89 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ABS 490: Applied Biological Sciences Seminar | 1 | C | |
| ABS 422: Head and Neck Anatomy | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 7 - B 96 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS) | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Choose an Upper Division Pre-Dental Elective from the list at the bottom of the major map. |
| BCH 361: Advanced Principles of Biochemistry | 3 | C | |
| Upper Division Pre-Dental Elective | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ABS 417: Comparative Immunology | 3 | C | • Choose an Upper Division Pre-Dental Elective from the list at the bottom of the major map. |
| ABS 484: Internship OR Upper Division Elective | 3 | | |
| Upper Division Pre-Dental Elective | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Pre-Dental Elective | 3 | C | • Choose an Upper Division Pre-Dental Elective from the list at the bottom of the major map. |
| Upper Division Elective | 1 | | |
| Elective | 2 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Pre-Dentistry Electives |
| --- |
| ABS 302: Ethical and Policy Issues in Biology |
| ABS 318: Unseen Life on Earth |
| ABS 355: Ecology and Adaptations of Vertebrates |
| ABS 484: Internship |
| ABS 494: Emerging Infections & Epidemics |
| ABS 494: Mammalian Gross Anatomy |
| ASM 345: Disease and Human Evolution |
| BIO 351: Developmental Biology |
| BIO 360: Animal Physiology |
| CHS 308: Comparative Health Systems |
| PHY 394: Basics of Medical Physics |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC subject areas.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Biological Sciences (Preveterinary Medicine), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSABSPMBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student club or professional organization. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ABS 100: Discovering the Professions | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 29 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • Secure a part-time job or volunteer experience. |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| ABS 271: Veterinary Medicine Today | 3 | C | |
| OGL 200: Introduction to Organizational Leadership (SB) OR OGL 220: Behavioral Dynamics in Organizations (SB) | 3 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 17 | | |

| Term 4 46 - 60.5 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | |
| ABS 200: Building Your Professional Self | .5 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete ABS 271 course(s). | | | |
| Term hours subtotal: | 14.5 | | |

| Term 5 60.5 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 311: Molecular and Cellular Biology OR BIO 360: Animal Physiology | 3 | C | • Use Handshake to research employment opportunities.<br>• Connect with faculty to seek opportunities for research. |
| ABS 300: Career Competencies and Skills | .5 | C | |
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| OGL 340: Special Topics | 3 | C | |
| Upper Division Pre-Veterinary Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16.5 | | |

| Term 6 77 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 355: Ecology and Adaptations of Vertebrates | 3 | C | |
| BIO 340: General Genetics | 4 | C | |
| CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II | 4 | C | |
| Upper Division Pre-Veterinary Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 91 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 490: Applied Biological Sciences Seminar | 1 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| BCH 361: Advanced Principles of Biochemistry | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 1 | | |
| Term hours subtotal: | 14 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 378: Animal Nutrition | 3 | C | |
| ABS 484: Internship OR Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Upper Division Pre-Veterinary Elective | 6 | C |
| Elective | 3 | |
| Term hours subtotal: | 15 | |

Hide Course List(s)/Track Group(s)

| Pre-Veterinary Electives (12 Hours Required) |
|---|
| ABS 302: Ethical and Policy Issues in Biology |
| ABS 312: Structure and Function |
| ABS 318: Unseen Life on Earth |
| ABS 371: Small Animal Veterinary Topics |
| ABS 372: Captive Animal Behavior Management |
| ABS 376: Wildlife Ecology |
| ABS 394: Animal Anatomy |
| ABS 394: Introduction to Equine Science |
| ABS 417: Comparative Immunology |
| ABS 470: Life History of Mammals |
| ABS 472: Applied Herpetology |
| ABS 473: Applied Ornithology |
| ABS 484: Internship |
| ABS 494: Anatomy Practicum |
| ABS 494: Emerging Infections & Epidemics |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Biological Sciences (Preveterinary Medicine), BS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSABSPMBS

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities and play me3@ASU. |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 15 - 22 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 22 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ABS 100: Discovering the Professions | 1 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 8 | | |

| Term 3 - A 30 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 271: Veterinary Medicine Today | 3 | C | |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | • Secure a part-time job or volunteer experience. |
| OGL 200: Introduction to Organizational Leadership (SB) OR OGL 220: Behavioral Dynamics in Organizations (SB) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 51.5 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | |
| ABS 200: Building Your Professional Self | .5 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 7.5 | | |

| Term 4 - B 51.5 - 60.5 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • COM 225 Public Speaking (L) is recommended for students wishing to pursue veterinary school. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 60.5 - 67 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 311: Molecular and Cellular Biology OR BIO 360: Animal Physiology | 3 | C | • Connect with faculty to seek opportunities for research. |
| ABS 300: Career Competencies and Skills | .5 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6.5 | | |

| Term 5 - B 67 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | |
| OGL 340: Special Topics | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 74 - 80 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 355: Ecology and Adaptations of Vertebrates | 3 | C | |
| CHM 233: General Organic Chemistry I | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 80 - 86 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| CHM 234: General Organic Chemistry II | 3 | C | |
| Upper Division Pre-Veterinary Elective | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

- Use Handshake to research employment opportunities.

| Summer 6 86 - 88 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Term hours subtotal: | 2 | | |

- ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.

| Term 7 - A 88 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BCH 361: Advanced Principles of Biochemistry | 3 | C | |
| ABS 490: Applied Biological Sciences Seminar | 1 | C | |
| Upper Division Pre-Veterinary Elective | 3 | C | |
| Upper Division Elective | 1 | | |
| Term hours subtotal: | 8 | | |

- Gather professional references.
- Apply for full-time career opportunities.

| Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ABS 350: Applied Statistics (CS) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

- Use Handshake to research employment opportunities.

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ABS 378: Animal Nutrition | 3 | C | |
| ABS 484: Internship OR Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Pre-Veterinary Elective | 6 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

Pre-Veterinary Electives (12 Hours Required)

ABS 302: Ethical and Policy Issues in Biology

ABS 312: Structure and Function

ABS 318: Unseen Life on Earth

ABS 371: Small Animal Veterinary Topics

ABS 372: Captive Animal Behavior Management

ABS 376: Wildlife Ecology

ABS 394: Animal Anatomy

ABS 394: Introduction to Equine Science

ABS 417: Comparative Immunology

ABS 470: Life History of Mammals

ABS 472: Applied Herpetology

ABS 473: Applied Ornithology

ABS 484: Internship

ABS 494: Anatomy Practicum

ABS 494: Emerging Infections & Epidemics

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Applied Biological Sciences (Secondary Education in Biology), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
TSABSSBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) ( HST 109 recommended) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student club or professional organization. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ABS 100: Discovering the Professions | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 29 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • Secure a part-time job or volunteer experience.<br>• Apply for an Identity Verified Print (IVP) DPS fingerprint card, required by state law for participation in internships in 6-12th grade schools. |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | |
| Global Awareness (G) | 3 | | |
| Elective | 2 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 13 | | |

| Term 4 42 - 58.5 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C |
| ABS 200: Building Your Professional Self | .5 | C |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C |
| Humanities, Arts and Design (HU) ( TEL 212 recommended) | 3 | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( GCU 113 recommended) | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 16.5 | |

- Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students will complete PHY 101.
- Meet with a Teachers College advisor early in the semester to discuss enrollment in upper division education program courses and required internships in upcoming semesters. You will need to submit an IVP fingerprint clearance card to Teachers College. Upper division education courses will be taught in Tempe, OR may also be available on Zoom. They are not taught in person at Poly.
- GCU 113 satisfies the US and AZ constitution requirement for teacher certification.
  BLE 220 satisfies the requirement for a Structured English Immersion Endorsement (For Certified Teachers). This Endorsement authorizes the holder to teach one or more English language learners in the area they are appropriately certified.

| **Term 5 58.5 - 76 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ABS 350: Applied Statistics (CS) | 3 | C | |
| ABS 370: Ecology | 3 | C | |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| ABS 300: Career Competencies and Skills | .5 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 355: Internship: Initial | 1 | C | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17.5 | | |

- Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All other students will complete CHM 231/235.
- During your clinical experience internships, you will work alongside a lead teacher in a 6-12th grade classroom. Reliable transportation is required to get to school sites in terms 5-8.
- Connect with faculty to seek opportunities for research.

| **Term 6 76 - 92 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ABS 311: Molecular and Cellular Biology OR ABS 314: Applied Plant Physiology OR BIO 360: Animal Physiology | 3 | C | |
| SED 482: Science Teaching Methods for Secondary Schools | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 366: Internship: Intermediate | 1 | C | |
| ABS 207: Applied Plant Taxonomy OR ABS 355: Ecology and Adaptations of Vertebrates OR BCH 361: Advanced Principles of Biochemistry | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

- Use Handshake to research employment opportunities.
- Meet with a Mary Lou Fulton Teachers College Advisor with any questions related to education course requirements.

| | | |
|---|---|---|
| Minimum 2.25 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

| Term 7 92 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ABS 490: Applied Biological Sciences Seminar | 1 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Students seeking teacher certification must pass required educator exams. Please speak with your Teachers College advisor to plan appropriately. |
| ★ BIO 340: General Genetics | 4 | C | |
| ★ TEL 332: Disciplinary Literacy Methods | 3 | C | |
| ★ TEL 477: Internship: Advanced | 2 | C | |
| BIO 480: Methods of Teaching Biology | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) ( TEL 340 recommended) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | • Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester. |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Biological Sciences (Sustainable Horticulture), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
TSABSUBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Students considering graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other students will complete PHY 101.<br>• Join a student club or professional organization. |
| ABS 100: Discovering the Professions | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Secure a part-time job or volunteer experience. |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 45 - 59.5 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ABS 260: Fundamentals of Sustainable Horticulture (SG) | 4 | C |
| CHM 116: General Chemistry II (SQ) | 4 | C |
| ABS 200: Building Your Professional Self | .5 | C |
| Sustainable Horticulture Elective | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Term hours subtotal: | 14.5 | |

- Sustainable Horticulture Elective chosen from list below.

| Term 5 59.5 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 363: Sustainable Landscape Practice | 4 | C | |
| ABS 370: Ecology | 3 | C | |
| ABS 300: Career Competencies and Skills | .5 | C | |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| Upper Division Elective | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 16.5 | | |

- Students considering graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All
- Connect with faculty to seek opportunities for research.

| Term 6 76 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 368: Plant Propagation | 3 | C | |
| BIO 340: General Genetics | 4 | C | |
| ABS 362: Landscape Plants | 4 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

- Use Handshake to research employment opportunities.

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 311: Molecular and Cellular Biology OR ABS 314: Applied Plant Physiology OR BIO 353: Cell Biology OR BIO 360: Animal Physiology | 3 | C | |
| ABS 350: Applied Statistics (CS) | 3 | C | |
| ABS 464: Desert Horticulture | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- Gather professional references.
- Apply for full-time career opportunities.

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS 490: Applied Biological Sciences Seminar | 1 | C | |
| Upper Division Sustainable Horticulture Elective | 3 | C | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | | 5 |
| *Complete 2 courses:*<br>Elective | | 6 |
| | Term hours subtotal: | 15 |

Hide Course List(s)/Track Group(s)

| Sustainable Horticulture Elective |
|---|
| ABS 225: Soils (SQ) |
| ABS 318: Unseen Life on Earth |
| ABS 364: Urban Forestry |
| ABS 365: Future of Agriculture: Vertical Farming |
| ABS 460: Organic Gardening |
| ABS 462: Greenhouse/Nursery Management |
| ABS 484: Internship |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Mathematics, BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSMATBS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your Career Interest Communities and play me3@ASU. |
| MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 13-14 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ) OR PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | • Students will choose one of the following science course sequences to complete: BIO 181 and BIO 182 OR CHM 113 and CHM 116 OR CHM 114 and CHM 116 OR PHY 121/122 and PHY 131/132.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 266: Calculus for Engineers II (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) | 3-4 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16-17 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) OR CHM 116: General Chemistry II (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | • Students will choose one of the following science course sequences to complete: BIO 181 and BIO 182 OR CHM 113 and CHM 116 OR CHM 114 and CHM 116 OR PHY 121/122 and PHY 131/132.<br>• Secure a part-time job or volunteer experience. |
| MAT 267: Calculus for Engineers III (MA) OR MAT 272: Calculus with Analytic Geometry III (MA) | 3-4 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16-17 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 243: Discrete Mathematical Structures | 3 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 343: Applied Linear Algebra | 3 | C | • Upper Division STEM Electives should be selected in consultation with a College of Integrative Sciences and Arts academic advisor.<br>• Connect with faculty to seek opportunities for research. |
| STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| Upper Division STEM Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Applied Mathematics Elective | 6 | C | • Use Handshake to research employment opportunities.<br>• Upper Division STEM Electives should be selected in consultation with a College of Integrative Sciences and Arts academic advisor. |
| Upper Division STEM Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Applied Mathematics Elective | 3 | C | • Upper Division STEM Electives should be selected in consultation with a College of Integrative Sciences and Arts academic advisor.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| MAT 484: Internship OR Upper Division Elective | 3 | | |
| MAT 495: Undergraduate Research OR MAT 4** Elective OR STP 4** Elective | 3 | C | |
| Upper Division STEM Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Applied Mathematics Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |

Term hours subtotal: 15

- Upper Division STEM Electives should be selected in consultation with a College of Integrative Sciences and Arts advisor. Credit may not come from STP 420.
- Students must complete a minimum of 12 credit hours of MAT courses offered by the College of Integrative Sciences and Arts. Six of these 12 credits must be upper division.

Hide Course List(s)/Track Group(s)

| Upper Division Applied Mathematics Electives |
|---|
| MAT 300: Mathematical Structures (L) |
| MAT 310: Introduction to Geometry |
| MAT 350: Techniques and Applications of Applied Mathematics |
| MAT 394: Special Topics |
| MAT 450: Mathematical Models in Biology |
| MAT 452: Introduction to Chaos and Nonlinear Dynamics |
| MAT 462: Applied Partial Differential Equations |
| MAT 494: Special Topics |
| MAT 499: Individualized Instruction |
| PHY 302: Mathematical Methods in Physics II |
| STP 421: Probability |

| Upper Division STEM Electives |
|---|
| ABS Upper Division Elective |
| BIO Upper Division Elective |
| CHM Upper Division Elective |
| CSE Upper Division Elective |
| EGR Upper Division Elective |
| ERM Upper Division Elective |
| GIT Upper Division Elective |
| HSE Upper Division Elective |
| IFT Upper Division Elective |
| PHY Upper Division Elective |
| SER Upper Division Elective |
| STP Upper Division Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Physics, BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSAPHYBS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • Join a student club or professional organization. |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 2 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 28 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | • Secure a part-time job or volunteer experience. |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |
| Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C |
| PHY 252: Physics III (SQ) | 4 | C |
| Historical Awareness (H) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 16 | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 302: Mathematical Methods in Physics II | 3 | C | • Connect with faculty to seek opportunities for research. |
| PHY 314: Quantum Physics I | 3 | C | |
| Upper Division Applied Physics Electives | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 315: Quantum Physics II | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Applied Physics Electives | 3 | C | |
| *Complete 3 courses:* Elective | 9 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 331: Principles of Modern Electromagnetism | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| PHY 460: Numerical Methods in Modern Physics | 3 | C | |
| PHY 321: Vector Mechanics and Vibration | 3 | C | |
| Upper Division Applied Physics Electives | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 444: Fundamentals of Nanoscience | 3 | C | |
| PHY 484: Internship OR Upper Division Elective | 3 | | |
| PHY 499: Individualized Instruction | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| |
|---|
| Upper Division Applied Physics Electives (Complete 9 Credit Hours) |
| MAT 343: Applied Linear Algebra |
| PHY 333: Electronic Circuits and Measurements |
| PHY 361: Introductory Modern Physics |
| PHY 416: Quantum Physics III |
| PHY 456: Laser Optics |
| PHY 495: Project Research |
| STP 420: Introductory Applied Statistics (CS) |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of PHY courses offered by the College of Integrative Sciences and Arts. At least six of these 12 credits must be upper-division.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Quantitative Science, BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSAQSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) | 3 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Statistics Course | 3 | C | • Secure a part-time job or volunteer experience.<br>• Statistics Requirement Course List Options. |
| Global Awareness (G) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Technical/Professional Communication Course | 3 | C | • Major Requirement Course List Options. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Statistics Course | 3 | C | • Major Requirement Course List Options.<br>• Connect with faculty to seek opportunities for research. |
| *Complete 2 courses:*<br>Upper Division Major Electives | 6 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer Skills Course | 3 | C | • Use Handshake to research employment opportunities.<br>• Major Requirement Course List Options . |
| *Complete 2 courses:*<br>Upper Division Major Electives | 6 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Major Electives | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Major Requirement Course List Options. |
| Research and Analysis Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Capstone/Project Course | 3 | C | • Major Requirement Course List Options. |
| IDS 484: Internship OR Upper Division Elective | 3 | | |
| Upper Division Major Electives | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- 
- This degree is only available as a concurrent degree at the Downtown Phoenix, Polytechnic, Tempe and West campuses.

- Major Requirement Course list options can be found on the College of Integrative Sciences and Arts website: cisa.asu.edu/applied-quantitative-sciences-degree-courses-list

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Applied Science (Animal Biology), BAS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSANBIOBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ABS 370: Ecology | 3 | C | • Completion of BIO 181 and BIO 182 are required for enrollment in some upper division courses.<br>• Develop your professional online presence . |
| ABS 350: Applied Statistics (CS) | 3 | C | |
| ABS 372: Captive Animal Behavior Management | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ABS 355: Ecology and Adaptations of Vertebrates | 3 | C | • Use Handshake to research employment opportunities. |
| ABS 302: Ethical and Policy Issues in Biology | 3 | C | |
| Upper Division Animal Biology Electives | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BIO 340: General Genetics | 4 | C | • Gather professional references.<br>• Apply for career opportunities. |
| ABS 417: Comparative Immunology | 3 | C | |

| | | |
|---|---|---|
| Upper Division Animal Biology Electives | 3 | C |
| Upper Division Elective | 3 | |
| Any needed lower division General Studies requirement OR Elective | 2 | |
| Term hours subtotal: | 15 | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ ABS 378: Animal Nutrition | 3 | C | |
| ABS 312: Structure and Function | 3 | C | |
| ABS 484: Internship OR Upper Division Elective | 3 | | |
| Upper Division Animal Biology Electives | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

Upper Division Animal Biology Electives

- ABS 318: Unseen Life on Earth
- ABS 371: Small Animal Veterinary Topics
- ABS 376: Wildlife Ecology
- ABS 377: International Wildlife Conservation
- ABS 394: Animal Anatomy
- ABS 394: Introduction to Equine Science
- ABS 470: Life History of Mammals
- ABS 472: Applied Herpetology
- ABS 473: Applied Ornithology
- ABS 494: Emerging Infections & Epidemics
- ABS 494: Organismal Adaptation to a Changing Climate
- BIO 351: Developmental Biology
- BIO 360: Animal Physiology

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Applied Leadership), BAS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic, Tempe, ASU at Cochise, ASU at Pima, ASU at Pinal, ASU at The Gila Valley, ASU at Yavapai
LSALSBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Degree Transfer Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 300: Theory and Practice of Leadership | 3 | C | • Complete two courses of OGL 340 in this term. |
| ★ OGL 345: Organizational Ethics (HU) | 3 | C | |
| ★ PMG 240: Introduction to Project Management | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | • Use Handshake to research employment opportunities. |
| OGL 340: Special Topics | 3 | C | |
| OGL 343: Social Processes in Organizations (SB) OR OGL 357: Assessment in Organizations | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 355: Leading Organizational Innovation and Change | 3 | C | |

| | | | |
|---|---|---|---|
| OGL 340: Special Topics | 3 | C | • Complete two courses of OGL 340 in this term.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| OGL 340: Special Topics | 3 | C | |
| OGL 365: Special Topics OR PMG 321: Project Leadership, Strategy and Scope | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 481: Organizational Leadership Pro-Seminar I | 3 | C | |
| ★ OGL 482: Organizational Leadership Pro-Seminar II (L) | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| *Complete 2 courses:*<br>Any needed lower division General Studies requirement OR Elective | 6 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Applied Leadership), BAS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSALSBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Degree Transfer Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn an ASU BAS degree.<br>• Students should work with their academic advisor to run a DARs graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 300: Theory and Practice of Leadership | 3 | C | |
| ★ PMG 240: Introduction to Project Management | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 78 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 340: Special Topics | 3 | C | |
| OGL 343: Social Processes in Organizations (SB) OR OGL 357: Assessment in Organizations | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 78 - 84 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 355: Leading Organizational Innovation and Change | 3 | C | • Use Handshake to research employment opportunities. |
| Any needed lower division General Studies requirement OR Elective | 3 | | |

| | | |
|---|---|---|
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 345: Organizational Ethics (HU) | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 108 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 340: Special Topics | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 108 - 114 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 481: Organizational Leadership Pro-Seminar I | 3 | C | |
| OGL 365: Special Topics OR PMG 321: Project Leadership, Strategy and Scope | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 482: Organizational Leadership Pro-Seminar II (L) | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 60 maximum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Project Management), BAS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic, Tempe
LSAPSPMBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Degree Transfer Block | 60 | | • Students may meet lower-division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn an ASU BAS degree.<br>• Students should work with their academic advisor to run a DARs graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 300: Theory and Practice of Leadership | 3 | C | |
| ★ OGL 345: Organizational Ethics (HU) | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| PMG 240: Introduction to Project Management | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | • Use Handshake to research employment opportunities. |
| PMG 321: Project Leadership, Strategy and Scope | 3 | C | |
| PMG 322: Project Schedule Management | 3 | C | |
| PMG 323: Project Cost Management | 3 | C | |
| PMG 324: Resources in Project Management | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 340: Special Topics | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| PMG 326: Project Procurement Management | 3 | C | |

| | | |
|---|---|---|
| PMG 421: Project Risk Management | 3 | C |
| PMG 422: Project Quality Management | 3 | C |
| Any needed lower-division General Studies requirement OR Elective | 3 | |
| Term hours subtotal: | 15 | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ OGL 481: Organizational Leadership Pro-Seminar I | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| *Complete 3 courses:*<br>Any needed lower-division General Studies requirement OR Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students should consult with their academic advisor to ensure that all ASU General Studies requirements will be completed for graduation.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Project Management), BAS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSAPSPMBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Degree Transfer Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 300: Theory and Practice of Leadership | 3 | C | |
| PMG 240: Introduction to Project Management | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 66 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 345: Organizational Ethics (HU) | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PMG 321: Project Leadership, Strategy and Scope | 3 | C | |
| PMG 322: Project Schedule Management | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | • Use Handshake to research employment opportunities. |
| PMG 323: Project Cost Management | 3 | C | |
| PMG 324: Resources in Project Management | 3 | C | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 9 | |

| Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 340: Special Topics | 3 | C | |
| PMG 326: Project Procurement Management | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PMG 421: Project Risk Management | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| PMG 422: Project Quality Management | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 481: Organizational Leadership Pro-Seminar I | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 340: Special Topics | 3 | C | |
| *Complete 2 courses:*<br>Any needed lower division General Studies requirement OR Elective | 6 | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Technical Communication), BAS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSTECBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Degree Transfer Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | |
| ★ TWC 347: Written Communication for Managers (L) | 3 | C | |
| ★ TWC 401: Fundamentals of Technical Communication (L) | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 421: Principles of Web Authoring (L) | 3 | C | • Use Handshake to research employment opportunities. |
| ★ TWC 431: Principles of Technical Editing | 3 | C | |
| ABS 350: Applied Statistics (CS) OR PAF 301: Applied Statistics (CS) OR SOC 390: Social Statistics I (CS) | 3 | C | |
| Upper Division Elective | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 411: Principles of Visual Communication (L) | 3 | C | • Gather professional references. |

| | | | |
|---|---|---|---|
| TWC 413: Managing and Analyzing Data OR TWC 443: Grant & Proposal Writing OR TWC 444: User Experience OR TWC 445: Content Strategy OR TWC 446: Technical and Scientific Reports (L) | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>TWC Upper Division Elective | 6 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by** ★ | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ TWC 490: Capstone | 3 | C | |
| TWC 451: Copyright and Intellectual Property in the Electronic Age OR TWC 452: Information in the Digital Age OR TWC 453: Information and Communications Technology in American History (L & H) OR TWC 454: Information Technology and Culture (C) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Communication, BA

School/College: College of Integrative Sciences and Arts
Location: Downtown Phoenix, Polytechnic
LSCOMBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 207: Introduction to Communication Inquiry | 3 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Language and Cultures: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* OR Completion of COM 263 AND COM 371. | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | C | • Secure a part-time job or volunteer experience. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | | |
|---|---|---|---|
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 225: Public Speaking (L) | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 308: Advanced Research Methods in Communication (L) | 3 | C | |
| COM 420: Rhetoric and Community Advocacy OR COM 428: Graphic Novels and Popular Culture (HU) OR COM 464: Communicative Sexualities (SB) OR COM 467: Digital Rhetoric | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Language and Cultures: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* OR Completion of COM 263 AND COM 371. | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Communication Track | 3 | C | • Students select one of four Communication Tracks and complete 9 hours from within that track.<br>• Use Handshake to research employment opportunities. |
| COM 420: Rhetoric and Community Advocacy OR COM 428: Graphic Novels and Popular Culture (HU) OR COM 464: Communicative Sexualities (SB) OR COM 467: Digital Rhetoric | 3 | C | |
| COM Upper Division Elective | 3 | C | |
| Global Awareness (G) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Communication Track | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| COM 484: Internship OR Upper Division Elective | 3 | | |
| COM Upper Division Elective | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Upper Division Elective | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 15 |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Communication Track | 3 | C | |
| COM 484: Internship OR Upper Division Elective | 3 | | |
| COM Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- Students select one of four Communication Tracks and complete 9 hours from within that track.

Hide Course List(s)/Track Group(s)

| Integrative Culture and Communication in Professions |
|---|
| COM 316: Gender and Communication (SB & C) |
| COM 323: Communication Approaches to Popular Culture (C) |
| COM 363: Latinxs and the Media (C) |
| COM 364: Cultural Communicology (SB) |
| COM 371: Language, Culture, and Communication (SB & C & G) |
| COM 420: Rhetoric and Community Advocacy |
| COM 428: Graphic Novels and Popular Culture (HU) |
| COM 463: Intercultural Communication in a Global Context (SB & G) |
| COM 464: Communicative Sexualities (SB) |
| COM 484: Internship |

| Integrative Community Advocacy |
|---|
| COM 312: Communication, Conflict, and Negotiation |
| COM 316: Gender and Communication (SB & C) |
| COM 319: Persuasion and Social Influence (SB) |
| COM 320: Communication and Consumerism (SB) |
| COM 321: Rhetorical Theory and Research ((L or HU) & H) |
| COM 323: Communication Approaches to Popular Culture (C) |
| COM 326: Court Room Oratory |
| COM 420: Rhetoric and Community Advocacy |
| COM 421: Rhetoric of Social Issues (HU) |
| COM 422: Advanced Argumentation (L) |
| COM 426: Political Communication (SB) |
| COM 428: Graphic Novels and Popular Culture (HU) |
| COM 467: Digital Rhetoric |
| COM 484: Internship |

| Integrative Communication Across Hispanic Communities |
|---|
| COM 363: Latinxs and the Media (C) |
| COM 364: Cultural Communicology (SB) |
| COM 371: Language, Culture, and Communication (SB & C & G) |
| COM 420: Rhetoric and Community Advocacy |
| COM 463: Intercultural Communication in a Global Context (SB & G) |
| COM 464: Communicative Sexualities (SB) |
| COM 484: Internship or SPA 484: Internship |
| SPA 401: Spanish Oral Communication for the Professions |
| SPA 404: Spanish in U. S. Professional Communities ((L or HU) & C) |
| SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G) |

| Integrative Communication and Technology in Society |
|---|
| COM 319: Persuasion and Social Influence (SB) |
| COM 320: Communication and Consumerism (SB) |

| Related Area Courses |
|---|
| ENG 317: Cross-Cultural Writing ((L or HU) & G) |
| HST 314: American Cultural History Since 1865 ((HU or SB) & H) |

COM 323: Communication Approaches to Popular Culture (C)

COM 394: Communication in the Electronic Age

COM 420: Rhetoric and Community Advocacy

COM 421: Rhetoric of Social Issues (HU)

COM 422: Advanced Argumentation (L)

COM 428: Graphic Novels and Popular Culture (HU)

COM 467: Digital Rhetoric

COM 484: Internship

JUS 432: Racial Justice (L)

MCO 418: History of Mass Communication (SB & H)

MCO 450: Visual Communication (HU)

MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)

PHI 306: Applied Ethics (HU)

POS 346: Problems of Democracy (HU)

POS 350: Comparative Politics (SB & G)

POS 435: Women and Politics (SB & C)

POS 442: American Political Thought (HU)

STS 330: Information Technology and Globalization (SB & G)

STS 425: Law, Values, Science, and Technology (SB)

TWC 301: Fundamentals of Writing for Digital Media (L)

TWC 411: Principles of Visual Communication (L)

TWC 452: Information in the Digital Age

TWC 453: Information and Communications Technology in American History (L & H)

WST 375: Women and Social Change (SB & C)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 upper division credit hours of COM courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Counseling and Applied Psychological Science, BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSCAPSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 120: Introduction to Counseling (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 240: Counseling Skills | 3 | C | • Join a student club or professional organization. |
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 220: Self in a Multicultural Society (C) | 3 | C | • Secure a part-time job or volunteer experience. |
| PSY 290: Research Methods (L or SG) | 4 | C | |
| Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| ABS OR BIO OR MIC course (SQ) | 4 | | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 310: Addictions I: Foundations and Basic Principles | 3 | C | |
| CED 250: Career Development (L) | 3 | C | |
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| Upper Division Counseling and Applied Psychological Sciences A Course | 3 | C | |
| Upper Division Counseling and Applied Psychological Sciences B Course | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 320: Theories of Counseling and Psychotherapy | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Counseling and Applied Psychological Sciences A Course | 3 | C | |
| Upper Division Counseling and Applied Psychological Sciences B Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Counseling and Applied Psychological Sciences A Course | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Upper Division Counseling and Applied Psychological Sciences B Course | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 484: Internship | 3 | C | |
| Upper Division Counseling and Applied Psychological Sciences A Course | 3 | C | |
| Upper Division Counseling and Applied Psychological Sciences B Course | 3 | C | |
| Elective | 3 | | |

Term hours subtotal: 12

Hide Course List(s)/Track Group(s)

| Counseling and Applied Psychological Sciences A Courses | Counseling and Applied Psychological Sciences B Courses |
|---|---|
| CAP 315: Trauma and Crisis Intervention | CDE 414: The School-Aged Child: Development in the Elementary Years |
| CAP 325: Professional Practice and Ethics in Counseling | FAS 331: Modern Family Relationships (SB) |
| CAP 330: Group Counseling | FAS 370: Family Ethnic and Cultural Diversity (SB & C) |
| CAP 335: Addiction Group Counseling | JUS 305: Principles of Justice Studies (SB) |
| CAP 340: Multicultural Counseling Theory and Practice | PSY 304: Effective Thinking (L) |
| CAP 342: Community Outreach, Prevention and Intervention | PSY 315: Personality Theory and Research (SB) |
| CAP 351: Issues in Assessment, Diagnosis and Treatment | PSY 320: Learning and Motivation |
| CAP 400: Advanced Counseling Research Methods | PSY 323: Sensation and Perception |
| CAP 420: School Counseling | PSY 324: Memory and Cognition |
| CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention | PSY 325: Physiological Psychology |
| CAP 494: Combat Trauma | PSY 330: Statistical Methods (CS) |
| CAP 494: Counseling Military Veterans | PSY 341: Developmental Psychology (SB) |
| | PSY 350: Social Psychology (SB) |
| | PSY 369: Biology of Human Sexuality |
| | PSY 370: Interpersonal Relationships (SB) |
| | PSY 385: Psychology of Gender (SB) |
| | PSY 399: Supervised Research |
| | PSY 425: Biological Bases of Behavior (L) |
| | PSY 444: Adolescent Psychology and Psychopathology |
| | PSY 447: Psychology of Aging (SB) |
| | PSY 465: Psychology of Stress and Coping |
| | PSY 470: Psychopharmacology |
| | PSY 472: Clinical Psychology |
| | PSY 499: Individualized Instruction |
| | SOC 315: Sociology of Dating, Relationships and Marriage (SB) |

**Notes:**

-

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Counseling and Applied Psychological Science, BS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSCAPSBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 120: Introduction to Counseling (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. |
| ASU 101-ONL: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Select your career interest communities and play me3@ASU. |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 240: Counseling Skills | 3 | C | • Join a student club or professional organization. |
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 31 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 220: Self in a Multicultural Society (C) | 3 | C | • Secure a part-time job or volunteer experience. |
| PSY 290: Research Methods (L or SG) | 4 | C | |

| | | | |
|---|---|---|---|
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 10 | | |

| Term 3 - B 41 - 47 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 47 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ABS OR BIO OR MIC course (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 54 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 63 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 310: Addictions I: Foundations and Basic Principles | 3 | C | |
| Upper Division Counseling and Applied Psychological Sciences B Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 72 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CED 250: Career Development (L) | 3 | C | |
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| Upper Division Counseling and Applied Psychological Sciences A Course | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 81 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 320: Theories of Counseling and Psychotherapy | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Counseling and Applied Psychological Sciences A Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 90 - 96 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Counseling and Applied Psychological Sciences B Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |

| | | | |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| | Term hours subtotal: | 6 | |

| Term 7 - A 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Counseling and Applied Psychological Sciences A Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 102 - 108 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Counseling and Applied Psychological Sciences B Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 484: Internship | 3 | C | |
| Upper Division Counseling and Applied Psychological Sciences A Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Counseling and Applied Psychological Sciences B Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| Counseling and Applied Psychological Sciences A Courses | Counseling and Applied Psychological Sciences B Courses |
|---|---|
| CAP 315: Trauma and Crisis Intervention | CDE 414: The School-Aged Child: Development in the Elementary Years |
| CAP 325: Professional Practice and Ethics in Counseling | FAS 331: Modern Family Relationships (SB) |
| CAP 330: Group Counseling | FAS 370: Family Ethnic and Cultural Diversity (SB & C) |
| CAP 335: Addiction Group Counseling | JUS 305: Principles of Justice Studies (SB) |
| CAP 340: Multicultural Counseling Theory and Practice | PSY 304: Effective Thinking (L) |
| CAP 342: Community Outreach, Prevention and Intervention | PSY 315: Personality Theory and Research (SB) |
| CAP 351: Issues in Assessment, Diagnosis and Treatment | PSY 320: Learning and Motivation |
| CAP 400: Advanced Counseling Research Methods | PSY 323: Sensation and Perception |
| | PSY 324: Memory and Cognition |

CAP 420: School Counseling

CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention

CAP 494: Combat Trauma

CAP 494: Counseling Military Veterans

PSY 330: Statistical Methods (CS)

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 385: Psychology of Gender (SB)

PSY 399: Supervised Research

PSY 499: Individualized Instruction

SOC 315: Sociology of Dating, Relationships and Marriage (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Counseling and Applied Psychological Science (Sports and Performance Counseling), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSCAPSSPBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 120: Introduction to Counseling (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 220: Self in a Multicultural Society (C) | 3 | C | • Join a student club or professional organization. |
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 240: Counseling Skills | 3 | C | • Secure a part-time job or volunteer experience. |
| CAP 121: Introduction to Sport, Exercise and Performance Psychology | 3 | C | |
| PSY 290: Research Methods (L or SG) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | |
| CAP 222: Mental Performance | 3 | C | |
| CED 250: Career Development (L) | 3 | C | |
| Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 310: Addictions I: Foundations and Basic Principles | 3 | C | |
| CAP 325: Professional Practice and Ethics in Counseling | 3 | C | |
| CAP 345: Social Issues in Counseling and Psychology | 3 | C | |
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 320: Theories of Counseling and Psychotherapy | 3 | C | • Use Handshake to research employment opportunities. |
| CAP 340: Multicultural Counseling Theory and Practice | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 323: Psychology of Coaching | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 484: Internship | 3 | C | • Choose Counseling and Applied Psychological Sciences Courses from the list at the bottom of the major map. |
| *Complete 2 courses:*<br>Upper Division Counseling and Applied Psychological Sciences Course | 6 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

Counseling and Applied Psychological Sciences Courses

CAP 315: Trauma and Crisis Intervention

CAP 330: Group Counseling

CAP 342: Community Outreach, Prevention and Intervention

CAP 400: Advanced Counseling Research Methods

CAP 420: School Counseling

CAP 494: Combat Trauma

CAP 494: Counseling Military Veterans

COM 394: Soccer: The Global Game

COM 494: Fans, Ultras, & Hooligans: Global Appeal of Soccer

COM 494: Sports Films & Documentaries

FAS 331: Modern Family Relationships (SB)

FAS 370: Family Ethnic and Cultural Diversity (SB & C)

HON 394: Soccer, Politics, and Identity

JUS 305: Principles of Justice Studies (SB)

NEW 300: International Cities Barcelona

PSY 304: Effective Thinking (L)

PSY 315: Personality Theory and Research (SB)

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 330: Statistical Methods (CS)

PSY 341: Developmental Psychology (SB)

PSY 369: Biology of Human Sexuality

PSY 370: Interpersonal Relationships (SB)

PSY 385: Psychology of Gender (SB)

PSY 399: Supervised Research

PSY 425: Biological Bases of Behavior (L)

PSY 444: Adolescent Psychology and Psychopathology

PSY 447: Psychology of Aging (SB)

PSY 465: Psychology of Stress and Coping

PSY 472: Clinical Psychology

PSY 499: Individualized Instruction

SOC 315: Sociology of Dating, Relationships and Marriage (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Counseling and Applied Psychological Science (Sports and Performance Counseling), BS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSCAPSSPBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 120: Introduction to Counseling (SB) | 3 | C | • Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 220: Self in a Multicultural Society (C) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 34 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 240: Counseling Skills | 3 | C | |
| CAP 121: Introduction to Sport, Exercise and Performance Psychology (SB) | 3 | C | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) | 3 | |
| Term hours subtotal: | 9 | |

| Term 3 - B 34 - 41 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Secure a part-time job or volunteer experience. |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | |
| CED 250: Career Development (L) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 48 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 222: Mental Performance | 3 | C | |
| Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 57 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 310: Addictions I: Foundations and Basic Principles | 3 | C | |
| CAP 325: Professional Practice and Ethics in Counseling | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 66 - 75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 345: Social Issues in Counseling and Psychology | 3 | C | |
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 320: Theories of Counseling and Psychotherapy | 3 | C | |
| CAP 340: Multicultural Counseling Theory and Practice | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CAP 323: Psychology of Coaching | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | • Use Handshake to research employment opportunities. |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CAP 484: Internship | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Counseling and Applied Psychological Sciences Courses | 6 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

Counseling and Applied Psychological Sciences Courses

- CAP 315: Trauma and Crisis Intervention
- CAP 330: Group Counseling
- CAP 342: Community Outreach, Prevention and Intervention
- CAP 400: Advanced Counseling Research Methods
- CAP 420: School Counseling
- CAP 494: Combat Trauma
- CAP 494: Counseling Military Veterans
- COM 494: Fans, Ultras, & Hooligans: Global Appeal of Soccer
- COM 494: Sports Films & Documentaries
- FAS 331: Modern Family Relationships (SB)
- FAS 370: Family Ethnic and Cultural Diversity (SB & C)
- HON 394: Soccer, Politics, and Identity

JUS 305: Principles of Justice Studies (SB)

NEW 300: International Cities Barcelona

PSY 304: Effective Thinking (L)

PSY 315: Personality Theory and Research (SB)

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 330: Statistical Methods (CS)

PSY 341: Developmental Psychology (SB)

PSY 369: Biology of Human Sexuality

PSY 370: Interpersonal Relationships (SB)

PSY 385: Psychology of Gender (SB)

PSY 399: Supervised Research

PSY 425: Biological Bases of Behavior (L)

PSY 444: Adolescent Psychology and Psychopathology

PSY 447: Psychology of Aging (SB)

PSY 472: Clinical Psychology

PSY 499: Individualized Instruction

SOC 315: Sociology of Dating, Relationships and Marriage (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Counseling and Applied Psychological Science (Substance Abuse and Addictions), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSCAPSAABS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 120: Introduction to Counseling (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 220: Self in a Multicultural Society (C) | 3 | C | • Join a student club or professional organization. |
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 240: Counseling Skills | 3 | C | • Secure a part-time job or volunteer experience. |
| PSY 290: Research Methods (L or SG) | 4 | C | |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 47 - 60 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | |
| Global Awareness (G) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 13 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 310: Addictions I: Foundations and Basic Principles | 3 | C | |
| CAP 325: Professional Practice and Ethics in Counseling | 3 | C | |
| CAP 340: Multicultural Counseling Theory and Practice | 3 | | |
| CED 250: Career Development (L) | 3 | C | |
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 320: Theories of Counseling and Psychotherapy | 3 | C | • Use Handshake to research employment opportunities. |
| CAP 335: Addiction Group Counseling | 3 | C | |
| CAP 351: Issues in Assessment, Diagnosis and Treatment | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 470: Psychopharmacology | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 484: Internship | 3 | C | |
| *Complete 2 courses:* Upper Division Counseling and Applied Psychological Sciences Courses | 6 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

Counseling and Applied Psychological Sciences Courses

CAP 315: Trauma and Crisis Intervention

CAP 330: Group Counseling

CAP 342: Community Outreach, Prevention and Intervention

CAP 400: Advanced Counseling Research Methods

CAP 420: School Counseling

CAP 494: Combat Trauma

CAP 494: Counseling Military Veterans

FAS 331: Modern Family Relationships (SB)

FAS 370: Family Ethnic and Cultural Diversity (SB & C)

JUS 305: Principles of Justice Studies (SB)

PSY 304: Effective Thinking (L)

PSY 315: Personality Theory and Research (SB)

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 330: Statistical Methods (CS)

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 369: Biology of Human Sexuality

PSY 370: Interpersonal Relationships (SB)

PSY 385: Psychology of Gender (SB)

PSY 399: Supervised Research

PSY 425: Biological Bases of Behavior (L)

PSY 444: Adolescent Psychology and Psychopathology

PSY 447: Psychology of Aging (SB)

PSY 465: Psychology of Stress and Coping

PSY 472: Clinical Psychology

PSY 499: Individualized Instruction

SOC 315: Sociology of Dating, Relationships and Marriage (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Counseling and Applied Psychological Science (Substance Abuse and Addictions), BS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSCAPSAABS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 120: Introduction to Counseling (SB) | 3 | C | • Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 220: Self in a Multicultural Society (C) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 240: Counseling Skills | 3 | C | |
| Elective | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 3 - B 31 - 38 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Secure a part-time job or volunteer experience. |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CED 250: Career Development (L) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 310: Addictions I: Foundations and Basic Principles | 3 | C | |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 325: Professional Practice and Ethics in Counseling | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 340: Multicultural Counseling Theory and Practice | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 320: Theories of Counseling and Psychotherapy | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ CAP 335: Addiction Group Counseling | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 351: Issues in Assessment, Diagnosis and Treatment | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 470: Psychopharmacology | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CAP 484: Internship | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Counseling and Applied Psychological Sciences Courses | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Counseling and Applied Psychological Sciences Courses | 3 | C | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

Counseling and Applied Psychological Sciences Courses

CAP 315: Trauma and Crisis Intervention

CAP 330: Group Counseling

CAP 342: Community Outreach, Prevention and Intervention

CAP 400: Advanced Counseling Research Methods

CAP 420: School Counseling

CAP 494: Combat Trauma

CAP 494: Counseling Military Veterans

SOC 315: Sociology of Dating, Relationships and Marriage (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## English, BA

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSENGBA

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 200: Critical Reading and Writing About Literature (L or HU) | 3 | C | • ENG 200-level literature course is a recommended pre-requisite to upper division ENG courses.<br>• Secure a part-time job or volunteer experience. |
| 2** ENG Literature Course AND Humanities, Arts and Design (HU) | 3 | C | |
| ENG Elective | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| 2** ENG Writing Course | 3 | C | |
| Literature Course | 3 | C | |
| Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Ethnicity and Gender Course | 3 | C | |
| *Complete 2 courses:* ENG Elective | 6 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Film and Popular Culture | 3 | C | • Use Handshake to research employment opportunities. |
| *Complete 2 courses:* ENG Elective | 6 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG Upper Division Elective | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| *Complete 4 courses:* Upper Division Elective | 12 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 498: Pro-Seminar (L) | 3 | C | • Students in the Barrett Honors College may take ENG 493: Honors Thesis in place of ENG 498: Pro-Seminar. |
| ENG 484: Internship OR Upper Division Elective | 3 | | |
| *Complete 2 courses:* ENG Upper Division Elective | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| 2** ENG Literature Course |
| --- |
| ENG 201: World Literature (HU & H & G) |
| ENG 202: World Literature (HU & H) |
| ENG 204: Topics in Contemporary Literature (HU) |
| ENG 221: Survey of English Literature (HU) |
| ENG 222: Survey of English Literature (HU & H) |
| ENG 241: Literatures of the United States to 1860 ((L or HU) & C) |
| ENG 242: Literatures of the United States, 1860 to Present (HU) |

| Literature |
| --- |
| ENG 303: Classical Backgrounds of English Literature (HU) |
| ENG 320: Medievalism in Modern Culture |
| ENG 321: Shakespeare (L or HU) |
| ENG 328: The Novel to Jane Austen (HU & H) |
| ENG 329: 19th-Century British Fiction |
| ENG 335: American Poetry |
| ENG 337: Major American Novels (L or HU) |
| ENG 352: Short Story (L or HU) |
| ENG 378: Environmental Creative Nonfiction (L or HU) |
| ENG 415: Studies in Medieval Literature and Culture (HU) |
| ENG 468: Environmental Literary Criticism (L or HU) |
| ENG 471: Literature for Young Adults (HU) |
| ENG 473: Critical Approaches to Children's Literature (L or HU) |

| 2** ENG Writing Course |
| --- |
| ENG 210: Introduction to Creative Writing |
| ENG 215: Strategies of Academic Writing (L) |
| ENG 216: Persuasive Writing on Public Issues (L) |
| ENG 217: Writing Reflective Essays (L) |
| ENG 218: Writing About Literature (L or HU) |
| ENG 243: Introduction to Writing Family History (L) |

| Flm and Popular Culture |
| --- |
| ENG 320: Medievalism in Modern Culture |
| ENG 334: The American Southwest in Literature and Film ((L or HU) & C) |
| ENG 365: History of Film (HU) |
| ENG 366: Literature on Film |
| ENG 367: Environmental Issues in Literature and Film (L or HU) |
| ENG 446: Visual Narratives (L or HU) |
| ENG 464: Great Directors (L or HU) |
| ENG 466: Studies in International Film |
| ENG 467: American Film Musicals (L or HU) |

| Ethnicity and Gender |
| --- |
| ENG 333: American Ethnic Literature |
| ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |
| ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) |
| ENG 359: Indigenous American Literature ((L or HU) & C) |
| ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) |
| ENG 364: Women and Literature (HU) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- A minimum of 12 upper division ENG credits must be completed through the College of Integrative Sciences and Arts.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## General Studies, BA

School/College: College of Integrative Sciences and Arts
Location: Downtown Phoenix, Polytechnic, ASU at Lake Havasu
LSGNSBGS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students completing the Bachelor of Arts in General Studies will complete three courses in each cluster for a total of 36 credit hours. A minimum of 18 of the 36 credits must be upper-division credits. |
| Cluster #1 Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cluster #2 Course | 3 | C | • Join a student club or professional organization.<br>• Develop your skills. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cluster #3 Course | 3 | C | |

| | | |
|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Global Awareness (G) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 15 | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Cluster #1 Course | 3 | C | |
| ★ Cluster #4 Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Cluster #1 Course | 3 | C | • Use Handshake to research employment opportunities. |
| ★ Upper Division Cluster #2 Course | 3 | C | |
| Upper Division Cluster #3 Course | 3 | C | |
| Cluster #2 Course | 3 | C | |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ UNI 400: Society and the Individual (L) | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:* Upper Division Cluster #4 Course | 6 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Cluster #3 Course | 3 | C | |
| Upper Division Elective OR IDS 484: Internship OR SPA 484: Internship | 3 | | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

- Students completing the Bachelor of Arts in General Studies will complete three courses in each cluster for a total of 36 credit hours. A minimum of 18 of the 36 credits must be upper-division credits.

Hide Course List(s)/Track Group(s)

| Global Perspectives |
| --- |
| COM 316: Gender and Communication (SB & C) |
| COM 363: Latinxs and the Media (C) |
| ENG 201: World Literature (HU & H & G) |
| ENG 202: World Literature (HU & H) |
| ENG 216: Persuasive Writing on Public Issues (L) |
| ENG 217: Writing Reflective Essays (L) |
| ENG 317: Cross-Cultural Writing ((L or HU) & G) |
| HCR 230: Culture and Health (C & G) or HSC 210: Cultural Aspects of Health (C) |
| HCR 310: Fundamentals of Human Trafficking (SB) |
| HST 101: Global History Since 1500 (HU & H & G) |
| HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H) |
| HST 230: Introduction to Jewish Civilization (HU & H & G) |
| HST 306: The Civil Rights Movement |
| HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) |
| HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) |
| HST 364: Sex and Society in Modern Europe ((L or SB) & H) |
| HST 368: Culture and Imagination in European History (HU & H) |
| HST 372: Modern Middle East (SB & G & H) |
| HST 430: The Ottoman Empire in the Classical Period |
| MCO 430: International Mass Communication (G) |
| REL 100: Religions of the World (HU & G) |
| REL 201: Religion and the Modern World (L or HU) |
| REL 365: Islamic Civilization (HU & H) |
| REL 369: Women in Islam |

| National and Civil Service |
| --- |
| AES 101: Air Force Today I |
| AES 103: Air Force Today II |
| AES 201: The Evolution of USAF Air and Space Power I |
| AES 203: The Evolution of USAF Air and Space Power II |
| AES 301: Air Force Leadership Studies I (L) |
| AES 303: Air Force Leadership Studies II (L) |
| AES 401: National Security Affairs (L) |
| COM 259: Communication in Business and the Professions |
| COM 263: Elements of Intercultural Communication (SB & C & G) |
| COM 312: Communication, Conflict, and Negotiation |
| COM 316: Gender and Communication (SB & C) |
| COM 371: Language, Culture, and Communication (SB & C & G) |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 350: Law and Social Control (SB) |
| CRJ 403: Victims and the Criminal Justice System |
| CRJ 404: Juvenile Delinquency |
| CRJ 405: Neighborhoods and Crime |
| CRJ 406: Sex Crimes |
| CRJ 408: Drugs and Crime |
| CRJ 422: Violence in America |
| CRJ 461: Intimate-Partner Violence |
| CRJ 462: Gangs |
| CRJ 463: White Collar Crime |
| CRJ 470: Discretionary Justice (L or SB) |
| ENG 216: Persuasive Writing on Public Issues (L) |
| ENG 217: Writing Reflective Essays (L) |

| Organizations, Communities and Ethics |
| --- |
| CAP 342: Community Outreach, Prevention and Intervention |
| CHM 107: Chemistry and Society (SQ) |
| COM 312: Communication, Conflict, and Negotiation |
| COM 467: Digital Rhetoric |
| CRJ 350: Law and Social Control (SB) |
| CRJ 403: Victims and the Criminal Justice System |
| CRJ 404: Juvenile Delinquency |
| CRJ 405: Neighborhoods and Crime |
| CRJ 406: Sex Crimes |
| CRJ 408: Drugs and Crime |
| CRJ 422: Violence in America |
| CRJ 461: Intimate-Partner Violence |
| CRJ 462: Gangs |
| CRJ 463: White Collar Crime |
| CRJ 470: Discretionary Justice (L or SB) |
| HCI 150: Introduction to Health Innovation |
| HCI 250: Health Entrepreneurship and Value Creation |
| HCR 210: Ethics for the Health Care Professional (HU) |
| HCR 230: Culture and Health (C & G) or HSC 210: Cultural Aspects of Health (C) |
| HCR 231: Fundamentals of Community Health |
| HCR 310: Fundamentals of Human Trafficking (SB) |
| HCR 331: Communication within Communities |
| HST 333: African American History to 1865 (SB & H & C) |
| MCO 120: Media and Society (SB) |
| MCO 240: Media Issues in American Pop Culture |
| MCO 335: Social Media Foundations |
| MCO 425: Digital Media Literacy I |

REL 390: Women, Gender and Religion (HU & G)

SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)

SWU 456: Immigrants and Refugees (C)

SWU 457: Southwest Borderland Immigration Issues (C)

TDM 205: Introduction to Travel and Tourism (G)

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)

WST 380: Race, Gender, and Class (SB & C)

WST 390: Women, Gender and Religion (HU & G)

ENG 301: Writing for the Professions (L)

ENG 317: Cross-Cultural Writing ((L or HU) & G)

HCR 231: Fundamentals of Community Health

HCR 310: Fundamentals of Human Trafficking (SB)

HCR 331: Communication within Communities

MCO 456: Political Communication (SB)

MIS 101: Introduction to the United States Army

MIS 102: Foundation of Agile and Adaptive Leadership

MIS 201: Army Leadership and Decision Making

MIS 202: Army Doctrine and Team Development

MIS 301: Training Management and the Warfighting Functions (L)

MIS 302: Applied Leadership in Small-Unit Operations (L)

NAV 101: Introduction to Naval Science

NAV 102: Sea Power and Maritime Affairs

NAV 402: Leadership and Ethics

NLM 160: Voluntary Action and Community Leadership (SB)

NLM 220: Introduction to Nonprofit Organizations

NLM 300: Fund Raising and Resource Development

NLM 310: Volunteer Management

OGL 220: Behavioral Dynamics in Organizations (SB)

OGL 260: Resource Allocation in Organizations

OGL 300: Theory and Practice of Leadership

OGL 343: Social Processes in Organizations (SB)

OGL 345: Organizational Ethics (HU)

OGL 350: Diversity and Organizations (L & C)

MCO 426: Digital Media Literacy II

MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)

NLM 160: Voluntary Action and Community Leadership (SB)

NLM 220: Introduction to Nonprofit Organizations

NLM 300: Fund Raising and Resource Development

NLM 310: Volunteer Management

OGL 220: Behavioral Dynamics in Organizations (SB)

OGL 260: Resource Allocation in Organizations

OGL 300: Theory and Practice of Leadership

OGL 343: Social Processes in Organizations (SB)

OGL 345: Organizational Ethics (HU)

OGL 350: Diversity and Organizations (L & C)

OGL 355: Leading Organizational Innovation and Change

OGL 357: Assessment in Organizations

OGL 360: Assessment of Leadership Effectiveness

PAF 220: Introduction to Urban America

PAF 240: Urban Policy (C)

PAF 305: Urban Governance

PAF 311: Leadership and Change (SB)

PAF 351: Urban and Metropolitan Studies

PAF 352: Urban Theory

PAF 410: Building Leadership Skills (SB)

PAF 420: Managing Across Boundaries

PAF 460: Public Service Ethics

PHI 101: Introduction to Philosophy (HU)

PHI 105: Intro to Ethics (HU)

PHI 306: Applied Ethics (HU)

PRM 145: Special Events Management

PRM 487: Advanced Special Events Management

OGL 355: Leading Organizational Innovation and Change

OGL 357: Assessment in Organizations

OGL 360: Assessment of Leadership Effectiveness

PAF 240: Urban Policy (C)

PAF 305: Urban Governance

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

PAF 420: Managing Across Boundaries

PAF 460: Public Service Ethics

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 432: Social Policy and Services

SWU 456: Immigrants and Refugees (C)

SWU 457: Southwest Borderland Immigration Issues (C)

USL 210: Service Learning: Intro to Diverse Community Issues (L & C)

USL 402: Service Learning: Education & Youth (C)

VTS 301: Experience of America's Modern Wars (H)

VTS 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C)

SPA 317: Spanish for the Professions (G)

SPA 318: Advanced Spanish for Health Care Professionals

SPA 401: Spanish Oral Communication for the Professions

SPA 402: Written Communication for the Professions (C)

SPA 404: Spanish in U. S. Professional Communities ((L or HU) & C)

SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) & C & G)

SPA 406: Introduction to Spanish/English Medical Interpretation

STS 331: Ethical Issues in Science and Technology (SB)

SWU 171: Introduction to Social Work (SB & H)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 432: Social Policy and Services

SWU 456: Immigrants and Refugees (C)

SWU 457: Southwest Borderland Immigration Issues (C)

SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)

TDM 205: Introduction to Travel and Tourism (G)

VTS 301: Experience of America's Modern Wars (H)

VTS 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C)

Values, Identities and Society

CAP 220: Self in a Multicultural Society (C)

CDE 232: Human Development (SB)

COM 100: Introduction to Human Communication (SB)

COM 207: Introduction to Communication Inquiry

COM 222: Argumentation (L)

COM 225: Public Speaking (L)

COM 230: Small Group Communication (SB)

COM 250: Communication and the Workplace (SB)

COM 259: Communication in Business and the Professions

COM 263: Elements of Intercultural Communication (SB & C & G)

COM 312: Communication, Conflict, and Negotiation

COM 316: Gender and Communication (SB & C)

COM 323: Communication Approaches to Popular Culture (C)

COM 362: Urban Communication: Reinventing the Latinx City

COM 363: Latinxs and the Media (C)

COM 371: Language, Culture, and Communication (SB & C & G)

COM 464: Communicative Sexualities (SB)

CRJ 350: Law and Social Control (SB)

CRJ 403: Victims and the Criminal Justice System

CRJ 404: Juvenile Delinquency

CRJ 405: Neighborhoods and Crime

CRJ 406: Sex Crimes

CRJ 408: Drugs and Crime

CRJ 422: Violence in America

CRJ 461: Intimate-Partner Violence

CRJ 462: Gangs

CRJ 463: White Collar Crime

ENG 216: Persuasive Writing on Public Issues (L)

ENG 217: Writing Reflective Essays (L)

ENG 218: Writing About Literature (L or HU)

ENG 287: Beginning Creative Writing Workshop in Poetry

ENG 288: Beginning Creative Writing Workshop in Fiction

ENG 301: Writing for the Professions (L)

- ENG 364: Women and Literature (HU)
- ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice
- ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice
- HCR 230: Culture and Health (C & G) or HSC 210: Cultural Aspects of Health (C)
- HCR 310: Fundamentals of Human Trafficking (SB)
- HCR 331: Communication within Communities
- HST 110: United States Since 1865 (SB & H)
- HST 230: Introduction to Jewish Civilization (HU & H & G)
- HST 306: The Civil Rights Movement
- HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)
- HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
- HST 333: African American History to 1865 (SB & H & C)
- HST 368: Culture and Imagination in European History (HU & H)
- HST 372: Modern Middle East (SB & G & H)
- HST 430: The Ottoman Empire in the Classical Period
- MCO 335: Social Media Foundations
- MCO 425: Digital Media Literacy I
- MCO 426: Digital Media Literacy II
- PHI 101: Introduction to Philosophy (HU)
- PHI 105: Intro to Ethics (HU)
- PHI 306: Applied Ethics (HU)
- PSY 101: Introduction to Psychology (SB)
- PSY 350: Social Psychology (SB)
- REL 100: Religions of the World (HU & G)
- REL 201: Religion and the Modern World (L or HU)
- REL 240: Introduction to Southeast Asia ((HU or SB) & G)

REL 365: Islamic Civilization (HU & H)

REL 369: Women in Islam

REL 390: Women, Gender and Religion (HU & G)

SWU 456: Immigrants and Refugees (C)

SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)

WST 380: Race, Gender, and Class (SB & C)

WST 390: Women, Gender and Religion (HU & G)

VTS 301: Experience of America's Modern Wars (H)

VTS 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## History, BA

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSHISBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU.<br>• HST Elective credit may not come from HST 300 or HST 498 |
| HST Elective | 3 | C | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Maintain 2.25 GPA in Critical Tracking Courses. | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization.<br>• HST Elective credit may not come from HST 300 or HST 498 |
| HST Elective | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.25 GPA in Critical Tracking Courses. | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Elective | 3 | C | • Secure a part-time job or volunteer experience.<br>• HST Elective credit may not come from HST 300 or HST 498 |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |

| | | | |
|---|---|---|---|
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.25 GPA in Critical Tracking Courses. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Additional History Related Area | 3 | C | • Students will complete a total of 15 credit hours in a History Related Area Field. 9 credit hours must be selected from a single subject area, and at least six of those credit hours must be upper division. The remaining six credit hours can be selected from any subjects in the list, and at least three of those credit hours must be upper division. See more information at the bottom of the major map. Students will choose Related Area Fields in consultation with their History academic advisor. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Maintain 2.25 GPA in Critical Tracking Courses. | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Upper Division Elective | 3 | C | • Upper Division HST Elective credit may not come from HST 300 or HST 498 |
| History Single Subject Related Area | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Upper Division Elective | 3 | C | • Use Handshake to research employment opportunities.<br>• Students will complete a total of 15 credit hours in a History Related Area Field. 9 credit hours must be selected from a single subject area, and at least six of those credit hours must be upper division. The remaining six credit hours can be selected from any subjects in the list, and at least three of those credit hours must be upper division. See more information at the bottom of the major map. Students will choose Related Area Fields in consultation with their History academic advisor.<br>• Upper Division HST Elective credit may not come from HST 300 or HST 498 |
| Upper Division Additional History Related Area | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Upper Division Elective | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Upper Division HST Elective credit may not come from HST 300 or HST 498 |
| *Complete 2 courses:*<br>Upper Division History Single Subject Related Area | 6 | C | |
| Upper Division Elective | 3 | | |
| Minimum 2.25 GPA in HST. | | | |

| | | |
|---|---|---|
| Term hours subtotal: | 12 | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HST 495: Methods of Historical Inquiry (L) OR HST 493: Honors Thesis (L) | 3 | C | • Students in the Barrett Honors College may take HST 493: Honors Thesis in place of HST 495: Methods of Historical Inquiry.<br>• Upper Division HST Elective credit may not come from HST 300 or HST 498 |
| HST 484: Internship OR Upper Division Elective | 3 | | |
| HST Upper Division Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 15 | | |

- Students will complete a total of 15 credit hours of History Related Area courses (including a minimum of nine upper-division hours). History Related subjects include: English (ENG), Integrative Social Sciences (ISS), Philosophy (PHI), Political Science (POS), Religious Studies (REL), Sociology (SOC), Science Technology and Society (STS) and Veterans Studies (VTS).
- Students will select one subject of study from the History Related Area course list, and complete nine hours of coursework within that subject. At least six of those hours must be upper division. All courses must be from the same subject.
- The remaining six credit hours can be taken from any subject area listed below; courses do not have to be from the same subject. At least three of those hours must be upper division.

Hide Course List(s)/Track Group(s)

| History Single Subject Related Area - Choose One Subject (9 Hours) |
|---|
| ENG Elective |
| ISS Elective |
| PHI Elective |
| POS Elective |
| REL Elective |
| SOC Elective |
| STS Elective |
| VTS Elective |

| Additional History Related Area (6 Hours) |
|---|
| ENG Elective |
| ISS Elective |
| PHI Elective |
| POS Elective |
| REL Elective |
| SOC Elective |
| STS Elective |
| VTS Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 upper-division credit hours of HST courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## History (Veterans, Society and Service), BA

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSHISVSSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Veterans, Society and Service Elective is chosen from list at bottom of major map.<br>• Select your career interest communities and play me3@ASU. |
| Veterans, Society and Service Elective | 3 | C | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Maintain 2.25 GPA in Critical Tracking Courses. | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Veterans, Society and Service Elective is chosen from list at bottom of major map.<br>• Join a student club or professional organization. |
| Veterans, Society and Service Elective | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.25 GPA in Critical Tracking Courses. | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Veterans, Society and Service Elective | 3 | C | • Veterans, Society and Service Elective is chosen from list at bottom of major map.<br>• Secure a part-time job or volunteer experience. |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.25 GPA in Critical Tracking Courses. | | |
| Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Additional History Related Area | 3 | C | • Students will complete a total of six credit hours from any Additional History Related Area Field; courses do not have to be from the same subject. Students will choose these courses in consultation with their History academic advisor. |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 3 courses:* Elective | 9 | | |
| Maintain 2.25 GPA in Critical Tracking Courses. | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Upper Division Elective | 3 | C | • Use Handshake to research employment opportunities.<br>• Students will complete a total of six credit hours from any Additional History Related Area Field; courses do not have to be from the same subject. Students will choose these courses in consultation with their History academic advisor. |
| VTS 301: Experience of America's Modern Wars (H) | 3 | C | |
| VTS 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C) | 3 | C | |
| Upper Division Additional History Related Area | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Upper Division Elective | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 495: Methods of Historical Inquiry (L) | 3 | C | |

| | | | |
|---|---|---|---|
| HST 484: Internship OR VTS 484: Internship OR Upper Division Elective | 3 | | |
| HST Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Minimum 2.25 GPA in HST. | | | |
| | Term hours subtotal: | 12 | |

- Students in the Barrett Honors College may take HST 493: Honors Thesis in place of HST 495: Methods of Historical Inquiry.

- 
  - Students will complete a total of nine credit hours, including three hours of upper division, in the Veterans, Society and Service Track.
  - Students will complete six credit hours from any subject area listed in the Additional History Related Areas; courses do not have to be from the same subject.
  - Students must complete a minimum of 12 upper-division credit hours of HST courses offered by the College of Integrative Sciences and Arts.

Hide Course List(s)/Track Group(s)

| Veterans, Society and Service Electives |
|---|
| AES 103: Heritage and Values II |
| AES 203: Team and Leadership Fundamentals II |
| COM 263: Elements of Intercultural Communication (SB & C & G) |
| COM 420: Rhetoric and Community Advocacy |
| FAS 410: Military Family Systems in a Democracy |
| FMS 427: Identity and World Film (C) |
| GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) |
| HST 204: Historical Themes in the US |
| HST 302: War and Political Thought |
| HST 302: Women, War and Peace |
| HST 306: World War ll |
| HST 319: History of Aviation (SB & H) |
| HST 340: American Military History (SB & H) |
| HST 355: Total War and the Crisis of Modernity (SB & G & H) |
| HST 372: Modern Middle East (SB & G & H) |

| Additional History Related Area |
|---|
| ENG Elective |
| ISS Elective |
| PHI Elective |
| POS Elective |
| REL Elective |
| SOC Elective |
| STS Elective |
| VTS Elective |

HST 394: War & Popular Culture or VTS 394: War & Popular Culture

HST 395: Combat in Film (SB & H) or VTS 395: Combat in Film (SB & H)

HST 408: Civil War and Reconstruction ((L or SB) & H)

HST 456: The Vietnam War (SB & G & H)

IAP 307: Art and War (HU & G)

MCO 494: War and Media

NAV 102: Sea Power and Maritime Affairs

POS 378: Religion, War and Peace (L) or REL 378: Religion, War and Peace (L)

SGS 394: Gender and Armed Conflict

SOC 352: Social Change (SB & G & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# History of Science, Technology and Innovation, BA

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSHSIIBA

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities area and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students must select Related Area courses all from **one** subject area indicated at bottom of the major map.<br>• Join a student club or professional organization. |
| Related Area Course | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 28 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 280: History of Science, Technology and Innovation (SB & G & H) | 3 | C | • Secure a part-time job or volunteer experience. |
| History of Science, Ideas and Innovation Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |

| | | | |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Students must select Related Area courses all from **one** subject area indicated at bottom of the major map. |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Related Area Course | 3 | C | • Students must choose History of Science, Ideas and Innovation Elective credits from the list provided at the bottom of the major map. |
| *Complete 3 courses:* Upper Division History of Science, Ideas and Innovation Elective | 9 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 3 courses:* Upper Division History of Science, Ideas and Innovation Elective | 9 | C | • Use Handshake to research employment opportunities. |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 3 courses:* Upper Division History of Science, Ideas and Innovation Elective | 9 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| HST 495: Methods of Historical Inquiry (L) | 3 | C | |
| *Complete 4 courses:* Upper Division History of Science, Ideas and Innovation Elective | 12 | C | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| History of Science, Ideas and Innovation Electives | Related Area Courses (9 credits from ONE subject below) |
|---|---|
| HST 294: Special Topics | ABS Elective |
| HST 300: Experience of America's Modern Wars (H) | AMT Elective |
| | ATC Elective |
| HST 301: Global History of Health (SB & G & H) | BIO Elective |

| | |
|---|---|
| HST 308: History and Philosophy of Sustainability | EGR Elective |
| HST 309: Exploration and Empire ((L or HU) & H) | IFT Elective |
| HST 312: History of Women in Science and Medicine (HU or SB) | ISS Elective |
| HST 318: History of Engineering ((L or SB) & G) | PHY Elective |
| HST 319: History of Aviation (SB & H) | POS Elective |
| HST 345: Environmental History (L) | SOC Elective |
| HST 380: Studies in the History of Science | STS Elective |
| HST 381: Studies in the History of Ideas | |
| HST 382: Studies in the History of Innovation and Technology | |
| HST 394: Special Topics | |
| HST 482: Writing and the History of Science, Ideas and Technology (L) | |
| HST 484: Internship | |
| HST 494: Special Topics | |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of HST courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Integrative Social Science, BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSISSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ISS 110: Dimensions of Social Science (SB) OR ISS 302: Scope of Social Science (SB) | 3 | C | • Students beginning their college experience at ASU will take ISS 110 to fulfill the introduction course requirement. Students who transfer to ASU with more than 45 credit hours will take ISS 302 to fulfill this requirement.<br>• ASU 101 or college specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ISS OR POS OR STS Elective | 3 | C | • Visit the Career and Professional Development Center to identify networking opportunities and to seek career planning assistance.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ISS OR POS OR STS Elective | 3 | C | • Secure a part-time job or volunteer experience. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| ISS OR POS OR STS Elective | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ISS 301: Integrated Social Science Research Methods (SB) OR POS 301: Empirical Political Inquiry (SB) OR STS 301: Research in Science and Technology Studies (SB) | 3 | C | |
| *Complete 2 courses:* ISS OR POS OR STS Upper Division Elective | 6 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ISS 304: Integrated Theories of Social Science (SB) OR POS 342: Political Theory (HU or SB) OR STS 305: Science and Social Theory (SB) | 3 | C | • Use Handshake to research employment opportunities. |
| ISS OR POS OR STS Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ISS 401: Statistics for Integrated Social Science (CS) OR POS 401: Political Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS) | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:* ISS OR POS OR STS Upper Division Elective | 6 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ISS 484: Internship OR ISS 498: Pro-Seminar | 3 | C | • ISS 484 is recommended for students taking the program as a terminal degree for professional practice. ISS 498 Capstone or Applied Project are recommended for students preparing for further studies. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Interdisciplinary Studies, BA

School/College: College of Integrative Sciences and Arts
Location: Downtown Phoenix, Polytechnic, Tempe
LSBISBIS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 29 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Choose IDS concentration areas in collaboration with an IDS academic advisor. Available offerings are found here.<br>• Secure a part-time job or volunteer experience. |
| Global Awareness (G) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) ( IDS 201 recommended) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration #1 Course | 3 | C | |
| Concentration #2 Course | 3 | C | |

| | | |
|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Term hours subtotal: | 16 | |

| Term 5 60 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IDS 301: Becoming Interdisciplinary OR IDS 201: Intellectual Fusion (SB) | 3 | C | |
| Concentration #1 Course | 3 | C | |
| Concentration #2 Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14 | | |

| Term 6 74 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Integrative Context Course | 3 | C | • Use Handshake to research employment opportunities. |
| IDS 400: Interdisciplinary Career Prep | 1 | C | |
| Upper Division Concentration #1 Course | 3 | C | |
| Upper Division Concentration #2 Course | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IDS 302: Integration Skills | 3 | C | • Explore IDS 401 Experiential Learning opportunities. Email CISA@asu.edu to begin the process.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| Upper Division Concentration #1 Course | 3 | C | |
| Upper Division Concentration #2 Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IDS 401: Integration: Experiential Learning | 3 | C | |
| Upper Division Concentration #1 Course | 3 | C | |
| Upper Division Concentration #2 Course | 3 | C | |
| Upper Division Integrative Context Course | 3 | C | |
| Integrative Application Course | 3 | C | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Integrative Context Course |
| --- |
| IDS 310: Integration: Cultural Contexts (C) |
| IDS 311: Integration: Global Contexts |
| IDS 312: Integrative Perspectives on Change |
| IDS 313: Integrative Perspectives on a Changing World |
| IDS 314: Integrative Perspectives on Cultural Dynamics (SB) |
| IDS 315: Integration: Social Contexts |
| IDS 316: Integration: Humanities Contexts |

| Integrative Application Course |
| --- |
| IDS 140: The Nature of Knowledge Systems (HU) |
| IDS 302: Integration Skills |
| IDS 310: Integration: Cultural Contexts (C) |
| IDS 311: Integration: Global Contexts |
| IDS 312: Integrative Perspectives on Change |
| IDS 313: Integrative Perspectives on a Changing World |
| IDS 314: Integrative Perspectives on Cultural Dynamics (SB) |
| IDS 315: Integration: Social Contexts |
| IDS 316: Integration: Humanities Contexts |
| IDS 484: Internship |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Interdisciplinary Studies, BA

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSBISBIS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-time first-year registration information here. |
| Social-Behavioral Sciences (SB) ( IDS 201 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Secure a part-time job or volunteer experience. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Concentration #1 Course | 3 | C |
| Elective | 3 | |
| Term hours subtotal: | 6 | |

- Choose IDS concentration areas in collaboration with an IDS academic advisor. Available offerings are found here.

| Term 3 - B 32 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration #2 Course | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration #1 Course | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration #2 Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IDS 301: Becoming Interdisciplinary OR IDS 201: Intellectual Fusion (SB) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 64 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IDS 400: Interdisciplinary Career Prep | 1 | C | |
| Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 64 - 70 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IDS 302: Integration Skills | 3 | C | |
| Upper Division Concentration #1 Course | 3 | C | |
| Term hours subtotal: | 6 | | |

- Use Handshake to research employment opportunities.

| Term 6 - B 70 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Concentration #2 Course | 3 | C | |
| Upper Division Concentration #1 Course | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 7 - A 76 - 82 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Concentration #1 Course | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 82 - 88 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Concentration #2 Course | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 88 - 94 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 94 - 100 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Concentration #2 Course | 3 | C | • Begin exploring IDS 401 Experiential Learning opportunities. Email CISA@asu.edu to begin the process. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 100 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Integrative Context Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 106 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IDS 401: Integration: Experiential Learning | 3 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 5 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Integrative Context Course | 3 | C | |
| Upper Division Integrative Application Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Integrative Context Course |
| --- |
| IDS 310: Integration: Cultural Contexts (C) |
| IDS 311: Integration: Global Contexts |
| IDS 312: Integrative Perspectives on Change |
| IDS 313: Integrative Perspectives on a Changing World |
| IDS 314: Integrative Perspectives on Cultural Dynamics (SB) |
| IDS 315: Integration: Social Contexts |
| IDS 316: Integration: Humanities Contexts |

| Integrative Application Course |
| --- |
| IDS 140: The Nature of Knowledge Systems (HU) |
| IDS 302: Integration Skills |
| IDS 310: Integration: Cultural Contexts (C) |
| IDS 311: Integration: Global Contexts |
| IDS 312: Integrative Perspectives on Change |
| IDS 313: Integrative Perspectives on a Changing World |
| IDS 314: Integrative Perspectives on Cultural Dynamics (SB) |
| IDS 315: Integration: Social Contexts |
| IDS 316: Integration: Humanities Contexts |
| IDS 484: Internship |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Interdisciplinary Studies (Organizational Studies), BA

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSORGBIS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-time first-year registration information here. |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | • Secure a part-time job or volunteer experience. |
| Term hours subtotal: | 7 | | |

| Term 3 - B 32 - 38 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IDS 300: Theories and Applications of Organizational Studies (L or SB) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 340: Special Topics | 3 | C | |
| OGL 343: Social Processes in Organizations (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 340: Special Topics | 3 | C | • Use Handshake to research employment opportunities. |
| OGL 365: Special Topics | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 345: Organizational Ethics (HU) | 3 | C | |
| IDS 201: Intellectual Fusion (SB) OR IDS 301: Becoming Interdisciplinary | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IDS 400: Interdisciplinary Career Prep | 1 | C | |
| Upper Division Elective | 2 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Term hours subtotal: | 6 | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IDS 302: Integration Skills | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| ★ OGL 365: Special Topics | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 355: Leading Organizational Innovation and Change | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | • Explore IDS 401 Integrative Experiential Learning opportunities. Email CISA@asu.edu to begin the process. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 360: Assessment of Leadership Effectiveness | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IDS 401: Integration: Experiential Learning | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 357: Assessment in Organizations | 3 | C | |
| ★ Upper Division Integrative Context Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

Integrative Context Courses

IDS 310: Integration: Cultural Contexts (C)

IDS 311: Integration: Global Contexts

IDS 312: Integrative Perspectives on Change

IDS 313: Integrative Perspectives on a Changing World

IDS 314: Integrative Perspectives on Cultural Dynamics (SB)

IDS 315: Integration: Social Contexts

IDS 316: Integration: Humanities Contexts

IDS 484: Internship

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Liberal Studies, BA

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LABLSBLS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students are encouraged to take LST 194 Cultural Monuments in History as their first year elective.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 13 | | |

| Term 3 29 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Global Awareness (G) | 3 | | • Secure a part-time job or volunteer experience. |
| Historical Awareness (H) | 3 | | |
| *Complete 3 courses:* Elective | 9 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |

| | | |
|---|---|---|
| *Complete 3 courses:*<br>Elective | 9 | |
| Term hours subtotal: | 16 | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LST 370: Dimensions of Liberal Studies (L or HU) | 3 | C | • Students should consult the CISA liberal studies website for a list of recommended HU and SB courses. |
| ★ Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| ★ Upper Division Social-Behavioral Sciences (SB) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Humanities, Arts and Design (HU) | 3 | C | • Use Handshake to research employment opportunities.<br>• Students should consult the CISA liberal studies website for a list of recommended HU and SB courses. |
| ★ Upper Division Social-Behavioral Sciences (SB) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LST 470: Liberal Studies Seminar | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Students should consult the CISA liberal studies website for a list of recommended HU and SB courses. |
| ★ Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| ★ Upper Division Social-Behavioral Sciences (SB) | 3 | C | |
| LST 484: Internship OR Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Humanities, Arts and Design (HU) | 3 | C | • Students should consult the CISA liberal studies website for a list of recommended HU and SB courses. |
| ★ Upper Division Social-Behavioral Sciences (SB) | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Liberal Studies, BA

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LABLSBLS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Secure a part-time job or volunteer experience. |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LST 370: Dimensions of Liberal Studies (L or HU) | 3 | C | • Students should consult the CISA liberal studies website for a list of recommended HU and SB courses. |
| Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Social-Behavioral Sciences (SB) | 3 | C | • Use Handshake to research employment opportunities.<br>• Students should consult the CISA liberal studies website for a list of recommended HU and SB courses. |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) | 3 | C | • Students should consult the CISA liberal studies website for a list of recommended HU and SB courses. |
| Upper Division Social-Behavioral Sciences (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Social-Behavioral Sciences (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Students should consult the CISA liberal studies website for a list of recommended HU and SB courses. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LST 470: Liberal Studies Seminar | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map
# Military Studies, AA

School/College: College of Integrative Sciences and Arts
Location: Online
LSMILSTAA

| Term 1 - A 0 - 4 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-CLS: The ASU Experience | 1 | | |
| IDS 150: Introduction to Military Studies | 3 | C | |
| Term hours subtotal: | 4 | | |

| Term 1 - B 4 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 2 - A 7 - 10 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 2 - B 10 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| USNCC NAV 101 OR PHI 105: Intro to Ethics (HU) | 3 | C | • USNCC NAV 101: Naval Ethics and Leadership satisfies PHI 105<br>• Contact USNCC regarding the applicability of transfer credit to USNCC requirements. |
| Term hours subtotal: | 3 | | |

| Summer 2 13 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| USNCC NAV 102 OR HST Elective | 3 | C | • USNCC NAV 102: Modern Naval History satisfies HST elective<br>• Contact USNCC regarding the applicability of transfer credit to USNCC requirements. |
| Term hours subtotal: | 3 | | |

| Term 3 - A 16 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 3 | | |

| Term 3 - B 19 - 22 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| USNCC NAV 103 OR Elective | 3 | | • USNCC NAV 103: Naval Force Design and Concepts satisfies Elective<br>• Contact USNCC regarding the applicability of transfer credit to USNCC requirements. |
| Term hours subtotal: | 3 | | |

| Term 4 - A 22 - 25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 101: Global History Since 1500 (HU & H & G) | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 4 - B 25 - 28 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| USNCC NAV 104 OR POS 110: American Government and Politics (SB) | 3 | C | • USNCC NAV 104: Civilian/Military Organization and Policy satisfies POS 110<br>• Contact USNCC regarding the applicability of transfer credit to USNCC requirements. |
| Term hours subtotal: | 3 | | |

| Summer 4 28 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) ( BIO 130 OR SES 106 recommended) | 4 | | |
| Term hours subtotal: | 4 | | |

| Term 5 - A 32 - 35 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| USNCC NAV 105 OR POS 160: Global Politics (SB & G) | 3 | C | • USNCC NAV 105: Introduction to Geopolitical Environment satisfies POS 160. NAV 105 must be taken at USNCC to satisfy USNCC certificate requirements. |
| Term hours subtotal: | 3 | | |

| Term 5 - B 35 - 38 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) ( CSE 180 recommended) | 3 | | |
| Term hours subtotal: | 3 | | |

| Term 6 - A 38 - 42 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 4 | | |

| Term 6 - B 42 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 427: Misinformation and Society | 3 | C | |
| Term hours subtotal: | 3 | | |

| Summer 6 45 - 48 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) ( COM 263 OR COM 302 OR HSC 210 recommended) | 3 | | |
| Term hours subtotal: | 3 | | |

| Term 7 - A 48 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 361: American Foreign Policy (SB & G) | 3 | C | |

| | |
|---|---|
| Term hours subtotal: | 3 |

| Term 7 - B 51 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Military Studies Elective | 3 | C | • Military Studies Electives are listed at the bottom of the map. |
| Term hours subtotal: | 3 | | |

| Term 8 - A 54 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Military Studies Elective | 3 | C | • Military Studies Electives are listed at the bottom of the map. |
| Term hours subtotal: | 3 | | |

| Term 8 - B 57 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IDS 350: Military Studies Interdisciplinary Capstone (L) | 3 | C | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

Military Studies Electives

- HST 303: China,Japan & East Asia in World History
- HST 304: Stalin to Putin
- HST 372: Modern Middle East (SB & G & H)
- JUS 374: The Holocaust, Genocide, and Human Rights
- PAF 469: Terrorism Defense
- POS 300: Contemporary Global Controversies (SB & G)
- POS 364: National Security, Intelligence, and Terrorism (SB)
- POS 368: Ethics and Human Rights
- POS 465: International Organization and Law (SB & G)
- REL 366: Islam in the Modern World (HU & G)
- REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)
- SGS 303: Global Trends (SB & G)
- SGS 350: Economic Development and Globalization
- SGS 370: Geopolitics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown

Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

# 2023 - 2024 Major Map
# Organizational Leadership, AA

School/College: College of Integrative Sciences and Arts
Location: Online
LSORGLAA

| Term 1 - A 0 - 4 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-CLS: The ASU Experience | 1 | | |
| OGL 220: Behavioral Dynamics in Organizations (SB) | 3 | C | |
| Term hours subtotal: | 4 | | |

| Term 1 - B 4 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 2 - A 7 - 10 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 2 - B 10 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| USNCC NAV 101 OR PHI 105: Intro to Ethics (HU) | 3 | C | • USNCC NAV 101: Naval Ethics and Leadership satisfies PHI 105<br>• Contact USNCC regarding the applicability of transfer credit to USNCC requirements. |
| Term hours subtotal: | 3 | | |

| Summer 2 13 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| USNCC NAV 102 OR HST Elective | 3 | C | • USNCC NAV 102: Modern Naval History satisfies HST elective<br>• Contact USNCC regarding the applicability of transfer credit to USNCC requirements. |
| Term hours subtotal: | 3 | | |

| Term 3 - A 16 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 3 | | |

| Term 3 - B 19 - 22 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| USNCC NAV 103 OR Elective | 3 | | • USNCC NAV 103: Naval Force Design and Concepts satisfies Elective<br>• Contact USNCC regarding the applicability of transfer credit to USNCC requirements. |
| Term hours subtotal: | 3 | | |

| Term 4 - A 22 - 25 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 200: Introduction to Organizational Leadership (SB) | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 4 - B 25 - 28 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| USNCC NAV 104 OR POS 110: American Government and Politics (SB) | 3 | C | • USNCC NAV 104: Civilian/Military Organization and Policy satisfies POS 110<br>• Contact USNCC regarding the applicability of transfer credit to USNCC requirements. |
| Term hours subtotal: | 3 | | |

| Summer 4 28 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) ( BIO 130 recommended) | 4 | | |
| Term hours subtotal: | 4 | | |

| Term 5 - A 32 - 35 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| USNCC NAV 105 OR POS 160: Global Politics (SB & G) | 3 | C | • USNCC NAV 105: Introduction to Geopolitical Environment satisfies POS 160. NAV 105 must be taken at USNCC to satisfy USNCC certificate requirements. |
| Term hours subtotal: | 3 | | |

| Term 5 - B 35 - 38 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) ( CSE 180 recommended) | 3 | | |
| Term hours subtotal: | 3 | | |

| Term 6 - A 38 - 42 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 4 | | |

| Term 6 - B 42 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 260: Resource Allocation in Organizations | 3 | C | |
| Term hours subtotal: | 3 | | |

| Summer 6 45 - 48 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 300: Theory and Practice of Leadership | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 7 - A 48 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C) | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 7 - B 51 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 345: Organizational Ethics (HU) | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 8 - A 54 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 355: Leading Organizational Innovation and Change | 3 | C | |
| Term hours subtotal: | 3 | | |

| Term 8 - B 57 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 381: Organizational Leadership Capstone | 3 | C | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

# 2023 - 2024 Major Map

## Organizational Leadership, BA

School/College: College of Integrative Sciences and Arts
Location: Polytechnic, ASU at Cochise, ASU at Lake Havasu, ASU at Pima, ASU at Pinal, ASU at The Gila Valley, ASU at Yuma, ASU at Yavapai
LSORGLBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| Mathematics (MA) | 3 | | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 13 | | |

| Term 3 29 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 200: Introduction to Organizational Leadership (SB) | 3 | C | • Secure a part-time job or volunteer experience. |
| OGL 220: Behavioral Dynamics in Organizations (SB) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 260: Resource Allocation in Organizations | 3 | C | |

| | | |
|---|---|---|
| PMG 240: Introduction to Project Management | 3 | C |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| *Complete 2 courses:* Elective | 6 | |
| Term hours subtotal: | 16 | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ OGL 300: Theory and Practice of Leadership | 3 | C | |
| ★ OGL 343: Social Processes in Organizations (SB) | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| OGL 365: Special Topics | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ OGL 345: Organizational Ethics (HU) | 3 | C | • Use Handshake to research employment opportunities.<br>• Consider additional OGL 340 Topics courses to fill elective credits (beyond the six required credits). |
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | |
| ★ OGL 355: Leading Organizational Innovation and Change | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ OGL 481: Organizational Leadership Pro-Seminar I | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Any upper division 3** or 4** OGL course will satisfy the OGL elective requirement.<br>• Students may take no more than 3 credit hours of OGL 484. |
| OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness | 3 | C | |
| OGL 365: Special Topics | 3 | C | |
| OGL 3** Elective OR OGL 4** Elective | 3 | C | |
| OGL 484: Internship OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ OGL 482: Organizational Leadership Pro-Seminar II (L) | 3 | C | • Any upper division 3** or 4** OGL course will satisfy the OGL elective requirement. |
| OGL 3** Elective OR OGL 4** Elective | 3 | C | |
| *Complete 3 courses:* Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Organizational Leadership, BA

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSORGLBA

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 200: Introduction to Organizational Leadership (SB) | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| OGL 220: Behavioral Dynamics in Organizations (SB) | 3 | C |
| Elective | 3 | |
| Term hours subtotal: | 6 | |

| Term 3 - B 31 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Secure a part-time job or volunteer experience. |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 44 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PMG 240: Introduction to Project Management | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 260: Resource Allocation in Organizations | 3 | C | |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 50 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Historical Awareness (H) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 300: Theory and Practice of Leadership | 3 | C | • Consider OGL 340 Special Topics courses for upper division electives (beyond the six credits required). |
| OGL 340: Special Topics | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 340: Special Topics | 3 | C | |
| OGL 343: Social Processes in Organizations (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 345: Organizational Ethics (HU) | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | • Any upper division 3** or 4** OGL course will satisfy the OGL elective requirement. |
| OGL 3** Elective OR OGL 4** Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 355: Leading Organizational Innovation and Change | 3 | C | • Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 365: Special Topics | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 3** Elective OR OGL 4** Elective | 3 | C | • Any any upper division 3** or 4** OGL course will satisfy the OGL elective requirement. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 365: Special Topics | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 481: Organizational Leadership Pro-Seminar I | 3 | C | |
| Elective OR OGL 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 482: Organizational Leadership Pro-Seminar II (L) | 3 | C | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

•

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Organizational Leadership (Project Management), BA

School/College: College of Integrative Sciences and Arts
Location: Polytechnic, Tempe, ASU at Cochise, ASU at Pima, ASU at Pinal, ASU at The Gila Valley, ASU at Yavapai
LSORGLPMBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| OGL 200: Introduction to Organizational Leadership (SB) | 3 | C | |
| Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 13 | | |

| Term 3 29 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 220: Behavioral Dynamics in Organizations (SB) | 3 | C | • Secure a part-time job or volunteer experience. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PMG 240: Introduction to Project Management | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |

| | | | |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 300: Theory and Practice of Leadership | 3 | C | |
| ★ OGL 345: Organizational Ethics (HU) | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| OGL 343: Social Processes in Organizations (SB) OR OGL 355: Leading Organizational Innovation and Change | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | • Use Handshake to research employment opportunities. |
| PMG 321: Project Leadership, Strategy and Scope | 3 | C | |
| PMG 322: Project Schedule Management | 3 | C | |
| PMG 323: Project Cost Management | 3 | C | |
| PMG 324: Resources in Project Management | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PMG 326: Project Procurement Management | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Consider additional OGL 340 topics courses to fill elective credits (beyond the six required credits). |
| OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness | 3 | C | |
| OGL 484: Internship OR Elective | 3 | | |
| PMG 421: Project Risk Management | 3 | C | |
| PMG 422: Project Quality Management | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 481: Organizational Leadership Pro-Seminar I | 3 | C | • Consider additional OGL 340 topics courses to fill elective credits (beyond the six required credits). |
| OGL 340: Special Topics | 3 | C | |
| *Complete 3 courses:* Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

•

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Organizational Leadership (Project Management), BA

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSORGLPMBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 200: Introduction to Organizational Leadership (SB) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 220: Behavioral Dynamics in Organizations (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 31 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Secure a part-time job or volunteer experience. |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PMG 240: Introduction to Project Management | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 50 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 300: Theory and Practice of Leadership | 3 | C | |
| PMG 321: Project Leadership, Strategy and Scope | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 340: Special Topics | 3 | C | |
| PMG 322: Project Schedule Management | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 340: Special Topics | 3 | C | |
| OGL 345: Organizational Ethics (HU) | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PMG 323: Project Cost Management | 3 | C | |
| PMG 324: Resources in Project Management | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | • Use Handshake to research employment opportunities. |
| PMG 326: Project Procurement Management | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PMG 421: Project Risk Management | 3 | C | • Consider OGL 340 Special Topics courses for upper-division electives (beyond the six credits required). |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PMG 422: Project Quality Management | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 343: Social Processes in Organizations (SB) OR OGL 355: Leading Organizational Innovation and Change | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 481: Organizational Leadership Pro-Seminar I | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 484: Internship OR Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Organizational Leadership (Veterans, Society and Service), BA

School/College: College of Integrative Sciences and Arts
Location: Tempe
LSORGLVSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• Select your career interest communities and play me3@ASU.<br>• OGL 194 Special Topic: Self-Leadership and Productivity is highly recommended. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) | 3 | | |
| Elective ( OGL 194 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 13 | | |

| Term 3 29 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 200: Introduction to Organizational Leadership (SB) | 3 | C | • Secure a part-time job or volunteer experience. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| OGL 220: Behavioral Dynamics in Organizations (SB) | 3 | C | |

| | | |
|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| *Complete 3 courses:* Elective | 9 | |
| Term hours subtotal: | 16 | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 300: Theory and Practice of Leadership | 3 | C | |
| ★ OGL 345: Organizational Ethics (HU) | 3 | C | |
| OGL 340: Special Topics | 3 | C | |
| OGL 343: Social Processes in Organizations (SB) OR OGL 355: Leading Organizational Innovation and Change | 3 | C | |
| PMG 320: Project Approaches | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 350: Diversity and Organizations (L & C) | 3 | C | • Upper Division Veterans, Society and Service Elective is chosen from list at bottom of major map.<br>• Use Handshake to research employment opportunities. |
| VTS 301: Experience of America's Modern Wars (H) | 3 | C | |
| VTS 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C) | 3 | C | |
| Upper Division Veterans, Society and Service Elective | 3 | C | |
| OGL Elective | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Veterans, Society and Service Elective | 6 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Upper Division Veterans, Society and Service Electives are chosen from list at bottom of major map.<br>• Consider additional OGL 340 topics courses to fill elective credits (beyond the six required credits). |
| OGL 357: Assessment in Organizations OR OGL 360: Assessment of Leadership Effectiveness | 3 | C | |
| OGL 484: Internship OR Elective | 3 | | |
| VTS 402: Undergraduate Research | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ OGL 481: Organizational Leadership Pro-Seminar I | 3 | C | • Consider additional OGL 340 topics courses to fill elective credits (beyond the six required credits). |
| OGL 340: Special Topics | 3 | C | |
| *Complete 3 courses:* Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

Veterans, Society and Service Electives

COM 420: Rhetoric and Community Advocacy

FAS 410: Military Family Systems in a Democracy

FMS 427: Identity and World Film (C)

GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)

HCR 494: Fundamentals of Healthcare for Veterans

HST 302: War and Political Thought

HST 302: Women, War and Peace

HST 306: World War ll

HST 340: American Military History (SB & H)

HST 355: Total War and the Crisis of Modernity (SB & G & H)

HST 372: Modern Middle East (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

IAP 307: Art and War (HU & G)

MCO 494: War and Media

POS 378: Religion, War and Peace (L) or REL 378: Religion, War and Peace (L)

SGS 394: Gender and Armed Conflict

SOC 352: Social Change (SB & G & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Political Science, BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSPOLBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU.<br>• Students beginning their college experience at ASU will take POS 110 to fulfill the introduction course requirement. Students who transfer to ASU with more than 45 credit hours will take POS 310 to fulfill this requirement. |
| ASU 101-CLS: The ASU Experience | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Area Course | 3 | C | |
| Mathematics (MA) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) | 3 | C | • Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.<br>• Visit the Career and Professional Development Center to identify networking opportunities and to seek career planning assistance.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Area Course | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 210: Political Ideologies (SB) | 3 | C | • Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.<br>• The electives in this degree program allow room for students to complete a minor or certificate.<br>• Secure a part-time job or volunteer experience. |
| Related Area Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ISS 304: Integrated Theories of Social Science (SB) OR POS 342: Political Theory (HU or SB) OR STS 305: Science and Social Theory (SB) | 3 | C | • Attend career-related workshops and meet with a career counselor to discuss professional goals. |
| POS Elective | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 301: Empirical Political Inquiry (SB) OR ISS 301: Integrated Social Science Research Methods (SB) OR STS 301: Research in Science and Technology Studies (SB) | 3 | C | • Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.<br>• The electives in this program allow room for students to complete a minor or certificate. |
| Related Area Course | 3 | C | |
| POS Upper Division Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 401: Political Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS) | 3 | C | • Use Handshake to research employment opportunities. |
| POS Upper Division Elective | 3 | C | |
| POS Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS Upper Division Elective | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS Upper Division Elective | 3 | C | |
| POS 484: Internship OR Upper Division Elective | 3 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

Related Area Courses

AES OR AFR OR AIS OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR GPH OR HST OR ISS OR JUS OR MIS OR PHI OR PSY OR REL OR SGS OR SOC OR STS OR TCL OR VTS OR WST Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of POS courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology, BA

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSPGSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Secure a part-time job or volunteer experience. |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| Global Awareness (G) | 3 | | |
| *Complete 3 courses:* Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Social-Behavioral Sciences (SB) AND Upper Division Psychology Core | 6 | C | • Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.<br>• Students will select Upper Division Psychology Electives courses from the track list below. |
| CED 250: Career Development (L) | 3 | C | |
| Upper Division Psychology Electives | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Psychology Core | 6 | C | • Use Handshake to research employment opportunities.<br>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.<br>• Students will select Upper Division Psychology Electives courses from the track list below. |
| Upper Division Psychology Electives | 3 | C | |
| Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Psychology Electives | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.<br>• Students will select Upper Division Psychology Electives courses from the track list below. |
| Upper Division Psychology Core | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) AND Upper Division Psychology Core | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Psychology Electives | 3 | C | |
| PSY 484: Internship OR Upper Division Elective | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Psychology Electives (12 Credit Hours Required) | Upper Division Psychology Core (All Courses Required) | Related Area Courses (6 Credit Hours Required) |
|---|---|---|
| PSY 304: Effective Thinking (L) | PSY 320: Learning and Motivation | ASB Elective |
| PSY 306: Environmental Psychology (SB) | PSY 323: Sensation and Perception | COM Elective |
| PSY 315: Personality Theory and Research (SB) | PSY 324: Memory and Cognition | HSE Elective |
| PSY 325: Physiological Psychology | PSY 341: Developmental Psychology (SB) | ISS Elective |
| PSY 330: Statistical Methods (CS) | PSY 350: Social Psychology (SB) | POS Elective |
| PSY 369: Biology of Human Sexuality | PSY 366: Psychological Disorders (SB) | SOC Elective |
| PSY 385: Psychology of Gender (SB) | | |
| PSY 399: Supervised Research | | |
| PSY 425: Biological Bases of Behavior (L) | | |
| PSY 430: Industrial Psychology | | |
| PSY 444: Adolescent Psychology and Psychopathology | | |
| PSY 447: Psychology of Aging (SB) | | |
| PSY 453: Organizational Behavior (SB) | | |
| PSY 470: Psychopharmacology | | |
| PSY 472: Clinical Psychology | | |
| PSY 482: Social Influence and Consumer Behavior (SB) | | |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of PSY courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology, BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSPGSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest area and play me3@ASU. |
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Psychology BS majors are required to take one Life Science lab course and one Physical Science lab course meeting SG or SQ requirements in addition to two required university general studies science courses.<br>• Secure a part-time job or volunteer experience. |
| Life Science Lab Course - Applied Biological Science, Biology, or Microbiology | 4 | C | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:* Elective | 4 | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 15 |

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Related Area Course | 6 | C | |
| Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Social-Behavioral Sciences (SB) AND Upper Division Psychology Core | 6 | C | • Network in your career interest area.<br>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.<br>• Students will select Upper Division Psychology Electives courses from the track list below. |
| CED 250: Career Development (L) | 3 | C | |
| Upper Division Psychology Electives | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 77 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Psychology Core | 6 | C | • Psychology BS majors are required to take one Life Science lab course and one Physical Science lab course meeting an SG or SQ requirement in addition to two required university general studies science courses.<br>• Use Handshake to research employment opportunities.<br>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.<br>• Students will select Upper Division Psychology Electives courses from the track list below. |
| Upper Division Psychology Electives | 3 | C | |
| Physical Science Lab Course - Astronomy - Chemistry, Geology, or Physics | 4 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Psychology Electives | 6 | C | • Gather professional references.<br>• Apply for full-time career opportunities.<br>• Students will select Upper Division Psychology Core AND Upper Division Social-Behavioral Sciences (SB) Core courses from the tracks listed below.<br>• Students will select Upper Division Psychology Electives courses from the track list below. |
| Upper Division Psychology Core | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Psychology Core | 6 | C | • Students will select Upper Division Psychology Core AND Upper Division |

| | | |
|---|---|---|
| PSY 484: Internship OR Elective | 3 | |
| Upper Division Psychology Electives | 3 | C |
| Term hours subtotal: | 12 | |

Social-Behavioral Sciences (SB) Core courses from the tracks listed below.

- Students will select Upper Division Psychology Electives courses from the track list below.

Hide Course List(s)/Track Group(s)

| Upper Division Psychology Electives (15 Credits) | Upper Division Psychology Core | Related Area Courses (6 Credit Hours) |
|---|---|---|
| PSY 304: Effective Thinking (L) | PSY 320: Learning and Motivation | ASB Elective |
| PSY 306: Environmental Psychology (SB) | PSY 323: Sensation and Perception | COM Elective |
| PSY 315: Personality Theory and Research (SB) | PSY 324: Memory and Cognition | HSE Elective |
| PSY 325: Physiological Psychology | PSY 330: Statistical Methods (CS) | ISS Elective |
| PSY 369: Biology of Human Sexuality | PSY 341: Developmental Psychology (SB) | POS Elective |
| PSY 385: Psychology of Gender (SB) | PSY 350: Social Psychology (SB) | SOC Elective |
| PSY 399: Supervised Research | PSY 366: Psychological Disorders (SB) | |
| PSY 425: Biological Bases of Behavior (L) | | |
| PSY 430: Industrial Psychology | | |
| PSY 444: Adolescent Psychology and Psychopathology | | |
| PSY 447: Psychology of Aging (SB) | | |
| PSY 453: Organizational Behavior (SB) | | |
| PSY 470: Psychopharmacology | | |
| PSY 472: Clinical Psychology | | |
| PSY 482: Social Influence and Consumer Behavior (SB) | | |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students must complete a minimum of 12 credit hours of PSY courses offered by the College of Integrative Sciences and Arts.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Science, Technology and Society, BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
ECSTSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STS 101: Introduction to Science, Technology and Society (SB) OR STS 304: Science, Technology and Society (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Transfer students with 64 credit hours or more transferred must take STS 304 instead of STS 101.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STS 110: Global Technology and Development (SB & G) OR STS 317: Science, Technology, and Global Engagement (SB & G) | 3 | C | • Transfer students with 64 credit hours or more transferred must take STS 317 instead of STS 110.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ISS OR POS OR STS Elective | 3 | C | • Secure a part-time job or volunteer experience. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:* ISS OR POS OR STS Elective | 9 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STS 301: Research in Science and Technology Studies (SB) OR ISS 301: Integrated Social Science Research Methods (SB) OR POS 301: Empirical Political Inquiry (SB) | 3 | C | • It is highly recommended that STS students take a statistics course for their (CS) general studies requirement. |
| STS 305: Science and Social Theory (SB) OR POS 342: Political Theory (HU or SB) OR ISS 304: Integrated Theories of Social Science (SB) | 3 | C | |
| *Complete 2 courses:* ISS OR POS OR STS Upper Division Elective | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STS 303: History of Science and Technology (H) | 3 | C | • Use Handshake to research employment opportunities. |
| STS 302: Philosophy of Science and Technology (SB) | 3 | C | |
| STS 401: Statistics in Science and Technology Studies (CS) OR POS 401: Political Statistics (CS) OR ISS 401: Statistics for Integrated Social Science (CS) | 3 | C | |
| *Complete 2 courses:* ISS OR POS OR STS Upper Division Elective | 6 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STS 306: Social Effects of Science and Technology (SB) | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| ISS OR POS OR STS Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete STS 305 AND STS 306 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STS 484: Internship | 3 | C | |
| ISS OR POS OR STS Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technical Communication, BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSTECBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor<br>• Secure a part-time job or volunteer experience. |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| Global Awareness (G) | 3 | | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | • Develop your professional online presence. |
| TWC 401: Fundamentals of Technical Communication (L) | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 421: Principles of Web Authoring (L) | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.<br>• Use Handshake to research employment opportunities. |
| TWC 431: Principles of Technical Editing | 3 | C | |
| TWC 484: Internship OR Elective | 3 | | |
| Upper Division Related Area Course | 3 | C | |
| Upper Division TWC 400-Level Electives | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 411: Principles of Visual Communication (L) | 3 | C | • TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.<br>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| Upper Division Related Area Course | 3 | C | |
| Upper Division TWC 400-Level Electives | 3 | C | |
| TWC Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 490: Capstone | 3 | C | • TWC Upper Division Elective: any TWC 300/400 course will fulfill this area.<br>• Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor. |
| TWC 484: Internship OR Elective | 3 | | |
| Upper Division Related Area Course | 3 | C | |
| *Complete 2 courses:*<br>TWC Upper Division Elective | 6 | C | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

TWC 400-Level Electives

- TWC 413: Managing and Analyzing Data
- TWC 414: Visualizing Data and Information
- TWC 422: Social Media in the Workplace
- TWC 435: Global Issues in Technical Communication (G)
- TWC 436: Project Management in Technical Communication
- TWC 443: Grant & Proposal Writing
- TWC 444: User Experience
- TWC 445: Content Strategy
- TWC 446: Technical and Scientific Reports (L)
- TWC 451: Copyright and Intellectual Property in the Electronic Age
- TWC 452: Information in the Digital Age
- TWC 453: Information and Communications Technology in American History (L & H)
- TWC 454: Information Technology and Culture (C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technical Communication, BS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSTECBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Secure a part-time job or volunteer experience. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 6 | |

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

| **Term 4 - A 38 - 44 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 4 - B 44 - 51 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Related Area Course | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| **Term 5 - A 51 - 57 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 5 - B 57 - 63 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 6 - A 63 - 69 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| TWC 401: Fundamentals of Technical Communication (L) | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

| **Term 6 - B 69 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| TWC 421: Principles of Web Authoring (L) | 3 | C | |

| | | | |
|---|---|---|---|
| Elective | 3 | | • Use Handshake to research employment opportunities. |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 431: Principles of Technical Editing | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor. |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 411: Principles of Visual Communication (L) | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor. |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division TWC 400-Level Electives | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| TWC Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 484: Internship OR Elective | 3 | | • TWC Upper Division Elective: any TWC 400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year. |
| Upper Division TWC 400-Level Electives | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC Upper Division Elective | 3 | C | • TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC Upper Division Elective | 3 | C | • TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 490: Capstone | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 484: Internship OR Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

TWC 400-Level Electives

- TWC 413: Managing and Analyzing Data
- TWC 414: Visualizing Data and Information
- TWC 422: Social Media in the Workplace
- TWC 435: Global Issues in Technical Communication (G)
- TWC 436: Project Management in Technical Communication
- TWC 443: Grant & Proposal Writing
- TWC 444: User Experience
- TWC 445: Content Strategy
- TWC 446: Technical and Scientific Reports (L)
- TWC 451: Copyright and Intellectual Property in the Electronic Age
- TWC 452: Information in the Digital Age
- TWC 453: Information and Communications Technology in American History (L & H)
- TWC 454: Information Technology and Culture (C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technical Communication (Data Visualization), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSTECDVBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | • Secure a part-time job or volunteer experience. |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 48 - 60 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | • Students must take 12 credit hours in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: data analytics and statistics; web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor. |
| Related Area Course | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | |
| TWC 401: Fundamentals of Technical Communication (L) | 3 | C | |
| TWC 411: Principles of Visual Communication (L) | 3 | C | |
| TWC 314: Data Visualization Tools and Techniques | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 413: Managing and Analyzing Data | 3 | C | • Students must take 12 credit hours in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: data analytics and statistics; web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor.<br>• Use Handshake to research employment opportunities. |
| TWC 312: Introduction to Visual Culture | 3 | C | |
| TWC 431: Principles of Technical Editing | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| TWC Upper Division Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 421: Principles of Web Authoring (L) | 3 | C | • Students must take 12 credit hours in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: data analytics and statistics; web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| TWC 414: Visualizing Data and Information | 3 | C | |
| Upper Division Concentration Elective Course | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ TWC 490: Capstone | | 3 | C |
| Upper Division Related Area Course | | 3 | C |
| TWC 4** Elective | | 3 | C |
| TWC Upper Division Elective | | 3 | C |
| Elective OR TWC 484: Internship | | 3 | |
| | Term hours subtotal: | 15 | |

- Students must take 12 credit hours in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: data analytics and statistics; web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor.

Hide Course List(s)/Track Group(s)

| Concentration Elective Courses |
|---|
| GIT 210: Creative Thinking and Design Visualization |
| GIT 230: Digital Illustration in Publishing |
| GIT 402: New Media Internet Technologies |
| HSE 224: Applied Social Science (SB) |
| HSE 225: Human Systems Integration |
| HSE 230: Statistics for Human Systems Research I (CS) |
| HSE 290: Experimental Methods for Human Systems Research (L) |
| HSE 324: Applied Cognitive Science (SB) |
| HSE 390: Qualitative Research Methods (L) |
| HSE 428: Judgment and Decision Making |
| MCO 427: Misinformation and Society |
| MCO 436: Audience Research and Behavior |
| TWC 214: Storytelling with Data |
| TWC 436: Project Management in Technical Communication |
| TWC 445: Content Strategy |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technical Communication (Data Visualization), BS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSTECDVBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-ONL: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club or professional organization. |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | • Secure a part-time job or volunteer experience. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Students must take 12 credits in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: software industry (software engineering); web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor. |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | |
| TWC 312: Introduction to Visual Culture | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 401: Fundamentals of Technical Communication (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 421: Principles of Web Authoring (L) | 3 | C | • Use Handshake to research employment opportunities. |
| TWC 314: Data Visualization Tools and Techniques | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ TWC 411: Principles of Visual Communication (L) | 3 | C | |
| TWC 414: Visualizing Data and Information | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 431: Principles of Technical Editing | 3 | C | |
| TWC Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Related Area Course | 3 | C | • Students must take 12 credits in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: software industry (software engineering); web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor. |
| TWC Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Related Area Course | 3 | C | • Students must take 12 credits in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: software industry (software engineering); web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor. |
| Elective OR TWC 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 413: Managing and Analyzing Data | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Concentration Elective Course | 3 | C | • Students must take 12 credits in a related area (minimum of nine credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: software industry (software engineering); web authoring (internet and web development); design-related fields (graphic information technology). Related area |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

courses should be selected in consultation with a Technical Communication advisor.

| Term 10 - A 111 - 117 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 4** Elective | 3 | C | |
| Elective OR TWC 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 490: Capstone | 3 | C | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

Concentration Elective Courses

- GIT 210: Creative Thinking and Design Visualization
- GIT 230: Digital Illustration in Publishing
- GIT 402: New Media Internet Technologies
- HSE 224: Applied Social Science (SB)
- HSE 225: Human Systems Integration
- HSE 230: Statistics for Human Systems Research I (CS)
- HSE 290: Experimental Methods for Human Systems Research (L)
- HSE 324: Applied Cognitive Science (SB)
- HSE 390: Qualitative Research Methods (L)
- HSE 428: Judgment and Decision Making
- MCO 427: Misinformation and Society
- MCO 436: Audience Research and Behavior
- TWC 214: Storytelling with Data
- TWC 436: Project Management in Technical Communication
- TWC 445: Content Strategy

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technical Communication (Social Media Management), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSTECSMMBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Students must take six credits in a related area. Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: software industry (software engineering); web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor.<br>• Secure a part-time job or volunteer experience. |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | • Students must take six credits in a related area. Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: software industry (software engineering); web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor.<br>• Students select nine credit hours of Concentration Elective Courses, including three upper division hours, from the track courses listed at the bottom of the major map. |
| Related Area Course | 3 | C | |
| Global Awareness (G) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | |
| TWC 401: Fundamentals of Technical Communication (L) | 3 | C | |
| TWC 422: Social Media in the Workplace | 3 | C | |
| TWC Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 421: Principles of Web Authoring (L) | 3 | C | • Students select nine credit hours of Concentration Elective Courses, including three upper division hours, from the track courses listed at the bottom of the major map.<br>• Use Handshake to research employment opportunities. |
| TWC 451: Copyright and Intellectual Property in the Electronic Age | 3 | C | |
| TWC 455: Digital Ethics in Internet Policy and Governance | 3 | C | |
| Concentration Elective Course | 3 | C | |
| TWC Upper Division Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 411: Principles of Visual Communication (L) | 3 | C | • Students select nine credit hours of Concentration Elective Courses, including three upper division hours, from the track courses listed at the bottom of the major map.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| TWC 431: Principles of Technical Editing | 3 | C | |
| TWC 452: Information in the Digital Age | 3 | C | |
| Upper Division Concentration Elective Course | 3 | C | |
| Term hours subtotal: | 12 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 490: Capstone | 3 | C | |
| MCO 307: The Digital Audience | 3 | C | |
| TWC 4** Elective | 3 | C | |

| | | |
|---|---|---|
| TWC Upper Division Elective | 3 | C |
| Elective OR TWC 484: Internship | 3 | |
| Term hours subtotal: | 15 | |

Hide Course List(s)/Track Group(s)

| Concentration Elective Courses |
|---|
| AME 325: Technical Lives |
| AME 470: Programming for Social and Interactive Media |
| AME 494: Reading the Algorithm |
| GIT 402: New Media Internet Technologies |
| HSE 224: Applied Social Science (SB) |
| HSE 225: Human Systems Integration |
| HSE 390: Qualitative Research Methods (L) |
| HSE 428: Judgment and Decision Making |
| MCO 335: Social Media Foundations |
| MCO 431: Media Entrepreneurship |
| MCO 433: Social Media Campaigns, Engagement and Research |
| TWC 414: Visualizing Data and Information |
| TWC 436: Project Management in Technical Communication |
| TWC 445: Content Strategy |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Technical Communication (Social Media Management), BS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSTECSMMBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club or professional organization. |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | • Students select a total of nine credit hours of concentration electives courses, including three upper division hours, from the track courses listed at the bottom of the major map.<br>• Secure a part-time job or volunteer experience. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | • Students select nine credit hours of concentration electives courses, including three upper division hours, from the track courses listed at the bottom of the major map. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Students must take six credits in a related area. Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: software industry (software engineering); web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor.<br>• Students select nine credits of concentration electives courses, including three upper division hours, from the track courses listed at the bottom of the major map. |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | |
| TWC 422: Social Media in the Workplace | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 401: Fundamentals of Technical Communication (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 421: Principles of Web Authoring (L) | 3 | C | • Use Handshake to research employment opportunities. |
| TWC Upper Division Elective | 3 | C | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 411: Principles of Visual Communication (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 307: The Digital Audience | 3 | C | |
| TWC 431: Principles of Technical Editing | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC Upper Division Elective | 3 | C | • Students must take six credits in a related area. Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: software industry (software engineering); web authoring (internet and web development); design-related fields (graphic information technology). Related area courses should be selected in consultation with a Technical Communication advisor. |
| ★ Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 451: Copyright and Intellectual Property in the Electronic Age | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| TWC 4** Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 452: Information in the Digital Age | 3 | C | • Students select nine credit hours of concentration electives courses, including three upper division hours, from the track courses listed at the bottom of the major map. |
| Upper Division Concentration Elective Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 455: Digital Ethics in Internet Policy and Governance | 3 | C | |
| Elective OR TWC 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 490: Capstone | 3 | C | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Concentration Elective Courses |
|---|
| AME 494: Reading the Algorithm |
| GIT 402: New Media Internet Technologies |
| HSE 224: Applied Social Science (SB) |
| HSE 225: Human Systems Integration |
| HSE 390: Qualitative Research Methods (L) |
| HSE 428: Judgment and Decision Making |
| MCO 335: Social Media Foundations |
| MCO 431: Media Entrepreneurship |
| MCO 433: Social Media Campaigns, Engagement and Research |
| TWC 414: Visualizing Data and Information |
| TWC 436: Project Management in Technical Communication |
| TWC 445: Content Strategy |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technical Communication (User Experience), BS

School/College: College of Integrative Sciences and Arts
Location: Polytechnic
LSTECUBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | • Secure a part-time job or volunteer experience. |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor. |
| Related Area Course | 3 | C | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | |
| TWC 401: Fundamentals of Technical Communication (L) | 3 | C | |
| HSE 325: Human-Computer Interaction | 3 | C | |
| TWC Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 411: Principles of Visual Communication (L) | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.<br>• Use Handshake to research employment opportunities. |
| GIT 340: Information Design and Usability | 3 | C | |
| TWC 431: Principles of Technical Editing | 3 | C | |
| TWC 484: Internship OR Elective | 3 | | |
| Upper Division Related Area Course | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 421: Principles of Web Authoring (L) | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.<br>• Gather professional references.<br>• Apply for full-time career opportunities |
| TWC 444: User Experience | 3 | C | |
| Upper Division Concentration Elective Course | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| TWC Upper Division Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 490: Capstone | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry-courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor. |
| TWC 484: Internship OR Elective | 3 | | |
| Upper Division Related Area Course | 3 | C | |
| TWC 4** Elective | 3 | C | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

Concentration Elective Courses (9 Credits total, 3 Upper Division Credits minimum)

- GIT 210: Creative Thinking and Design Visualization
- GIT 402: New Media Internet Technologies
- HSE 224: Applied Social Science (SB)
- HSE 225: Human Systems Integration
- HSE 230: Statistics for Human Systems Research I (CS)
- HSE 290: Experimental Methods for Human Systems Research (L)
- HSE 324: Applied Cognitive Science (SB)
- HSE 390: Qualitative Research Methods (L)
- HSE 428: Judgment and Decision Making
- MCO 307: The Digital Audience
- MCO 335: Social Media Foundations
- TWC 413: Managing and Analyzing Data
- TWC 414: Visualizing Data and Information
- TWC 436: Project Management in Technical Communication
- TWC 445: Content Strategy

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technical Communication (User Experience), BS

School/College: College of Integrative Sciences and Arts
Location: Online, ASU Local
LSTECUBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-CLS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Join a student club or professional organization |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | • Secure a part-time job or volunteer experience. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Concentration Elective Course | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor. |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | |
| HSE 325: Human-Computer Interaction | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 401: Fundamentals of Technical Communication (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 421: Principles of Web Authoring (L) | 3 | C | • Use Handshake to research employment opportunities. |
| TWC Upper Division Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 411: Principles of Visual Communication (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIT 340: Information Design and Usability | 3 | C | |
| TWC 431: Principles of Technical Editing | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Related Area Course | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor. |
| TWC Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Related Area Course | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor. |
| TWC 484: Internship OR Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 444: User Experience | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Concentration Elective Course | 3 | C | • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry - |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

courses in software engineering; Web authoring - courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

| Term 10 - A 111 - 117 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 484: Internship OR Elective | 3 | | |
| TWC 4** Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 490: Capstone | 3 | C | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

Concentration Elective Courses (9 credits total, minimum 3 upper division credits)

- GIT 210: Creative Thinking and Design Visualization
- GIT 402: New Media Internet Technologies
- HSE 224: Applied Social Science (SB)
- HSE 225: Human Systems Integration
- HSE 230: Statistics for Human Systems Research I (CS)
- HSE 290: Experimental Methods for Human Systems Research (L)
- HSE 324: Applied Cognitive Science (SB)
- HSE 390: Qualitative Research Methods (L)
- HSE 428: Judgment and Decision Making
- MCO 307: The Digital Audience
- MCO 335: Social Media Foundations
- TWC 413: Managing and Analyzing Data
- TWC 414: Visualizing Data and Information
- TWC 436: Project Management in Technical Communication
- TWC 445: Content Strategy

**Notes:**

-

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Aging, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASALDBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101 satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Develop your research skills.<br>• Develop your professional skills. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) OR SBS 304: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 417: Communication and Aging | 3 | C | • IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) OR SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods OR PSY 290: Research Methods (L or SG) | 3-4 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| SOC 400: Perspectives on Aging (SB) | 3 | C | |
| Upper Division Aging Elective | 3 | C | |
| Upper Division Second Language: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15-16 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 430: Aging and Social Policy | 3 | C | • Gather professional references. |
| Upper Division Aging Elective | 3 | C | |
| Upper Division Second Language: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:* | | | |

| | | |
|---|---|---|
| Upper Division Elective | 6 | |
| Term hours subtotal: | 15 | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SBS 484: Internship | 3 | C | • Apply for full-time career opportunities. |
| PSY 447: Psychology of Aging (SB) | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- Upper Division Aging Electives: Select two courses.

Hide Course List(s)/Track Group(s)

| Upper Division Aging Electives |
|---|
| HSC 410: Supporting the Health of Older Adults |
| HSC 412: Health Issues in Later Life |
| IAS 450: Philosophical and Spiritual Issues in Death and Dying |
| SOC 418: Aging and the Life Course (SB & H) or CDE 418: Aging and the Life Course (SB & H) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Computing, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASACOBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 101: Introduction to Computer Science (CS) | 3 | C | • Prerequisite MAT coursework may be required in Term 1 to prepare for MAT 210 (or higher-level MA) in Term 2. MAT 117 with a C or better serves as a prerequisite for MAT 210.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 102: Object-Oriented Programming (CS) | 3 | C | • Completion of ACO 101 and ACO 102 (with a C or better) fulfills the New College Proficiency - Language and Cultures requirement.<br>• MAT 210 or higher-level (MA) accepted. MAT 251 recommended.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 201: Data Structures and Algorithms (CS) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| MAT 243: Discrete Mathematical Structures | 3 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 240: Introduction to Programming Languages | 3 | C | • Explore an internship, an IGLE international experience, or ASU study abroad. |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 320: Database Systems | 3 | C | • IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| ACO 330: Computer Networks | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 350: Systems Programming (CS) | 3 | C | • See academic advisor to discuss setting up capstone/experiential learning coursework.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Applied Computing Elective | 3 | C | |
| Diversity Elective | 3 | C | |
| Liberal Arts Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Applied Computing Capstone/Experiential Learning Requirement 1 | 3 | C | • Completion of all major MAT/STP coursework (MAT 210, 243, and STP 226) and the ACO Core (101/102/201/240/320/330/350) with a C or better is required prior to enrollment in the experiential learning courses (ACO 484, ACO 494, ACO 499). This is a two-semester requirement.<br>• Experiential learning courses may not be taken concurrently in the same semester. Only one of ACO 484 Hacking for Defense or ACO 494 Industry Capstone Projects may apply for three out of the six credit hours.<br>• All students must take at least three credit hours of ACO 484 or ACO 499, and may |
| Upper Division Applied Computing Elective | 3 | C | |
| Upper Division Communication Elective | 3 | C | |
| Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Upper Division Liberal Arts Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

choose to take all six credit hours as ACO 484 and/or ACO 499, if they desire. See academic advisor for questions.
- Gather professional references.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Applied Computing Capstone/Experiential Learning Requirement 2 | 3 | C | • Completion of all major MAT/STP coursework (MAT 210, 243, and STP 226) and the ACO Core (101/102/201/240/320/330/350) with a C or better is required prior to enrollment in the experiential learning courses (ACO 484, ACO 494, ACO 499). This is a two-semester requirement.<br>• Experiential learning courses may not be taken concurrently in the same semester. Only one of ACO 484 Hacking for Defense or ACO 494 Industry Capstone Projects may apply for three out of the six credit hours.<br>• All students must take at least three credit hours of ACO 484 or ACO 499, and may choose to take all six credit hours as ACO 484 and/or ACO 499, if they desire. See academic advisor for questions.<br>• Apply for full-time career opportunities. |
| Upper Division Applied Computing Elective | 3 | C | |
| Upper Division Liberal Arts Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Applied Computing Electives | Upper Division Applied Computing Capstone/Experiential Learning Requirement 1 | Upper Division Applied Computing Capstone/Experiential Learning Requirement 2 |
|---|---|---|
| ACO 321: Database Development & Applications | ACO 484: Internship | ACO 484: Internship |
| ACO 331: Network Forensics Analysis | ACO 494: Hacking for Defense | ACO 499: Individualized Instruction |
| ACO 351: Governance, Risk and Compliance | ACO 494: Industry Capstone Projects | |
| ACO 361: Secure Coding Concepts | ACO 499: Individualized Instruction | |
| ACO 394: Special Topics | | |
| ACO 420: Big Data Systems | | |
| ACO 423: Data Science | | |
| ACO 430: Wireless Networks and Security | | |
| ACO 431: Network Security | | |
| ACO 432: Distributed Systems | | |
| ACO 461: Security Operations | | |
| ACO 494: Special Topics | | |

| Upper Division Communication Elective | Upper Division Ethics Electives | Diversity Electives |
|---|---|---|
| COM 316: Gender and Communication (SB & C) | IAS 340: Bioethics (HU) | ASB 211: Women in Other Cultures ((HU or SB) & G) |

COM 317: Nonverbal Communication (SB)

COM 353: Professional Communication

COM 371: Language, Culture, and Communication (SB & C & G)

COM 415: Risk Communication

COM 416: Gender and Race in the Media

COM 457: New Media

COM 459: Theory and Methods of Social Media Networks

COM 471: Global Media and Cultural Identity (G)

COM 477: Sport, Culture, and Discourses

Liberal Arts Electives

AMS Elective

ASB Elective

COM Elective

DST Elective

ENG Elective

ETH Elective

HRC Elective

HST Elective

IAP Elective

IAS Elective

JHR Elective

LAS Elective

NEW Elective

PAX Elective

PHI Elective

POS Elective

PSY Elective

REL Elective

SBS Elective

SOC Elective

SPA Elective

WST Elective

IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)

IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)

IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)

PHI 306: Applied Ethics (HU)

PHI 360: Business and Professional Ethics (HU)

COM 263: Elements of Intercultural Communication (SB & C & G)

ENG 317: Cross-Cultural Writing ((L or HU) & G)

POS 480: Global Justice (G) or SBS 480: Global Justice (G)

PSY 385: Psychology of Gender (SB)

REL 390: Women, Gender and Religion (HU & G) or WST 390: Women, Gender and Religion (HU & G)

SBS 301: Cultural Diversity ((L or SB) & C)

WST 220: Gender, Media and Culture (HU & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Computing (Cybersecurity), BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASACOCBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 101: Introduction to Computer Science (CS) | 3 | C | • Prerequisite MAT coursework may be required in Term 1 to prepare for MAT 210 (or higher-level MA) in Term 2. MAT 117 with a C or better serves as a prerequisite for MAT 210.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 102: Object-Oriented Programming (CS) | 3 | C | • Completion of ACO 101 and ACO 102 (with a C or better) fulfills the New College Proficiency - Language and Cultures requirement.<br>• MAT 210 or higher-level (MA) accepted. MAT 251 recommended.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| COM 100: Introduction to Human Communication (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 201: Data Structures and Algorithms (CS) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| MAT 243: Discrete Mathematical Structures | 3 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 240: Introduction to Programming Languages | 3 | C | • Explore an internship, an IGLE international experience, or ASU study abroad. |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 320: Database Systems | 3 | C | • IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| ACO 330: Computer Networks | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 350: Systems Programming (CS) | 3 | C | • See academic advisor to discuss setting up capstone/experiential learning coursework.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| ACO 361: Secure Coding Concepts | 3 | C | |
| ACO 430: Wireless Networks and Security | 3 | C | |
| Diversity Elective | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Applied Computing Capstone/Experiential Learning Requirement 1 | 3 | C | • Completion of all major MAT/STP coursework (MAT 210, 243, and STP 226) and the ACO Core (101/102/201/240/320/330/350) with a C or better is required prior to enrollment in the experiential learning courses (ACO 484, ACO 494, ACO 499). This is a two-semester requirement.<br>• Experiential learning courses may not be taken concurrently in the same semester. Only one of ACO 484 Hacking for Defense or ACO 494 Industry Capstone Projects may apply for three out of the six credit hours.<br>• All students must take at least three credit hours of ACO 484 or ACO 499, and may |
| ACO 431: Network Security | 3 | C | |
| Upper Division Communication Elective | 3 | C | |
| Upper Division Cybersecurity Elective | 3 | C | |
| Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Term hours subtotal: | 15 | | |

| | | | |
|---|---|---|---|
| | | | choose to take all six credit hours as ACO 484 and/or ACO 499, if they desire. See academic advisor for questions.<br>• If ACO 394 or ACO 494 is taken to meet the Upper Division Cybersecurity Elective requirement, it must be a security-related topic. See academic advisor prior to enrollment.<br>• Gather professional references. |
| **Term 8 108 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
| ★ Upper Division Applied Computing Capstone/Experiential Learning Requirement 2 | 3 | C | • Completion of all major MAT/STP coursework (MAT 210, 243, and STP 226) and the ACO Core (101/102/201/240/320/330/350) with a C or better is required prior to enrollment in the experiential learning courses (ACO 484, ACO 494, ACO 499). This is a two-semester requirement.<br>• Experiential learning courses may not be taken concurrently in the same semester. Only one of ACO 484 Hacking for Defense or ACO 494 Industry Capstone Projects may apply for three out of the six credit hours.<br>• All students must take at least three credit hours of ACO 484 or ACO 499, and may choose to take all six credit hours as ACO 484 and/or ACO 499, if they desire. See academic advisor for questions.<br>• Apply for full-time career opportunities. |
| Upper Division Cybersecurity Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Cybersecurity Elective | Upper Division Applied Computing Capstone/Experiential Learning Requirement 1 | Upper Division Applied Computing Capstone/Experiential Learning Requirement 2 |
|---|---|---|
| ACO 331: Network Forensics Analysis | ACO 484: Internship | ACO 484: Internship |
| ACO 351: Governance, Risk and Compliance | ACO 494: Hacking for Defense | ACO 499: Individualized Instruction |
| ACO 394: Special Topics | ACO 494: Industry Capstone Projects | |
| ACO 401: Managing Cyber Risks in Enterprise Business Processes or CIS 401: Managing Cyber Risks in Enterprise Business Processes | ACO 499: Individualized Instruction | |
| ACO 402: Privacy, Ethics and Compliance Issues or CIS 402: Privacy, Ethics and Compliance Issues | | |
| ACO 461: Security Operations | | |
| ACO 494: Special Topics | | |
| FOR 350: Computer Forensics | | |

| Upper Division Communication Elective | Diversity Elective | Upper Division Ethics Elective |
|---|---|---|
| COM 316: Gender and Communication (SB & C) | ASB 211: Women in Other Cultures ((HU or SB) & G) | IAS 340: Bioethics (HU) |

| | | |
|---|---|---|
| COM 317: Nonverbal Communication (SB) | COM 263: Elements of Intercultural Communication (SB & C & G) | IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) |
| COM 353: Professional Communication | ENG 317: Cross-Cultural Writing ((L or HU) & G) | IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU) |
| COM 371: Language, Culture, and Communication (SB & C & G) | POS 480: Global Justice (G) or SBS 480: Global Justice (G) | IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) |
| COM 415: Risk Communication | PSY 385: Psychology of Gender (SB) | PHI 306: Applied Ethics (HU) |
| COM 416: Gender and Race in the Media | SBS 301: Cultural Diversity ((L or SB) & C) | PHI 360: Business and Professional Ethics (HU) |
| COM 457: New Media | WST 220: Gender, Media and Culture (HU & C) | |
| COM 459: Theory and Methods of Social Media Networks | WST 390: Women, Gender and Religion (HU & G) or REL 390: Women, Gender and Religion (HU & G) | |
| COM 471: Global Media and Cultural Identity (G) | | |
| COM 477: Sport, Culture, and Discourses | | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Mathematics, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASMATBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 101: Introduction to Computer Science (CS) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 102: Object-Oriented Programming (CS) | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| STP 280: Probability and Statistics for Researchers (CS) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAT 275: Modern Differential Equations (MA) | 3 | C |
| STP 281: Statistical Analysis for Researchers | 3 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| Humanities, Arts and Design (HU) | 3 | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Term hours subtotal: | 16 | |

- Explore an internship, an IGLE international experience, or ASU study abroad.

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 300: Mathematical Structures (L) | 3 | C | |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- IAS 300 (three credit hours) is required for all transfer students.
- Thinking about graduate school? Consider registering for a grad school test prep course.
- Develop your professional online presence .

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 371: Advanced Calculus I | 3 | C | |
| MAT 350: Techniques and Applications of Applied Mathematics | 3 | C | |
| MAT 421: Applied Computational Methods (CS) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) ( MAT 411 recommended) OR Upper Division Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- Use Handshake to research employment opportunities.
- Complete an in person or virtual practice interview.

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 452: Introduction to Chaos and Nonlinear Dynamics | 3 | C | |
| *Complete 2 courses:* Upper Division Applied Math Elective | 6 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- Gather professional references.

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 450: Mathematical Models in Biology OR MAT 451: Mathematical Modeling (CS) | 3 | C | |
| Upper Division Applied Math Elective | 3 | C | |
| Upper Division Elective OR LSC 484: Internship | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- Apply for full-time career opportunities.

- Complete nine credits of Upper Division Applied Math Electives. Maximum of six credit hours of MAT 499 are allowed. If also taking MAT 492, then only three credit hours of MAT 499 are allowed. Grade of C or better is required.

Hide Course List(s)/Track Group(s)

| Upper Division Applied Math Electives |
| --- |
| ACO 320: Database Systems |
| ACO 331: Network Forensics Analysis |
| ACO 420: Big Data Systems |
| ACO 421: Data Mining and Warehousing |
| ACO 422: XML and Databases |
| ACO 423: Data Science |
| LSC 388: STEM Research Fundamentals |
| MAT 419: Introduction to Linear Optimization (CS) |
| MAT 429: Optimization |
| MAT 443: Introduction to Abstract Algebra |
| MAT 445: Theory of Numbers |
| MAT 450: Mathematical Models in Biology or MAT 451: Mathematical Modeling (CS) |
| MAT 461: Applied Complex Analysis |
| MAT 462: Applied Partial Differential Equations |
| MAT 472: Intermediate Real Analysis I |
| MAT 484: Internship |
| MAT 492: Honors Directed Study |
| MAT 494: Special Topics |
| MAT 499: Individualized Instruction |
| STP 310: Design and Analysis of Experiments |
| STP 311: Regression and Time Series Analyses |
| STP 421: Probability |
| STP 427: Mathematical Statistics |
| STP 450: Nonparametric Statistics |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science, BAS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASBASBAS

- Students may complete the BAS program requirements in 45-60 upper-division credit hours, determined by choice of area of concentration and number of general studies requirements completed in AAS degree.
- Working with an advisor, students will select a minor available at ASU or construct an individualized concentration with a coherent theme or purpose.

| **Applicable Community College Prerequisites 0 - 60 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| **Term 5 60 - 72 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | C | • Core requirements and area of concentration courses may be used to apply toward general studies requirements, as allowed.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile.<br>• Create a first draft resume.<br>• Join a student club or professional organization. |
| IAP 361: Digital Editing and Media Literacy (CS) OR PHI 319: Philosophy, Computing and Artificial Intelligence (CS) | 3 | C | |
| *Complete 2 courses:*<br>Any needed lower division General Studies requirement OR Elective | 6 | | |
| Term hours subtotal: | 12 | | |

| **Term 6 72 - 87 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| IAS 305: Work and Identity (SB) OR COM 316: Gender and Communication (SB & C) | 3 | C | • Upper Division Concentration Course: Students will work with their advisor to select a minor pr construct an individualized concentration with a coherent theme or purpose. |
| Upper Division Aesthetics/Creativity AND Humanities, Arts and Design (HU) | 3 | C | |
| Upper Division Concentration Course | 3 | C | |
| Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| Any needed lower division General Studies requirement OR Elective | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

- Students should work with their academic advisor to determine any needed general studies requirements and take those in place of electives.
- Secure a part-time job or volunteer experience.
- Develop your research skills.
- Develop your professional skills.
- Explore an internship, an IGLE international experience, or ASU Study Abroad.

| **Term 7 87 - 102 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Concentration Course | 6 | C | • Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence.<br>• Use Handshake to research employment opportunities. |
| ENG 301: Writing for the Professions (L) | 3 | C | |
| Upper Division Ethics AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 102 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ IAS 480: Capstone: Practices and Approaches OR IAS 484: Internship | 3 | C | • Complete an in person or virtual practice interview.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| ENG 311: Persuasive Writing (L) | 3 | C | |
| *Complete 3 courses:* Upper Division Concentration Course | 9 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 18 | | |

Hide Course List(s)/Track Group(s)

| Aesthetics/Creativity |
|---|
| ARS 300: Introduction to Art (HU) |
| IAP 301: Energetic Systems of Art: Collaboration in the Arts (HU) |
| IAP 307: Art and War (HU & G) |
| IAP 464: Media and Diversity (HU & G) |
| MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H) |
| MUS 347: Jazz in America (HU & C) |
| MUS 349: Music in America (HU & H) |
| MUS 354: Popular Music |
| MUS 355: American Music (HU & C & H) |
| MUS 410: History of Women in Music (HU & C & H) |

| Ethics |
|---|
| IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU) |
| IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) |
| IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU) |
| IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) |
| IAS 410: Evolution of Ideas (L or HU) |
| IAS 430: Science and Religion (L or HU) |
| PHI 306: Applied Ethics (HU) |
| PHI 318: Philosophy of Religion (HU) |

THE 320: History of the Theatre I (HU & H)

THE 321: History of the Theatre II (HU & H)

PHI 360: Business and Professional Ethics (HU)

PHI 408: Feminist Ethics (HU)

REL 401: Sacred Scriptures and Social Choices (HU & G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biology, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASLSCBA

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • MAT 170 (MA) or higher-level (MA) accepted.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( STP 226 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 29 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cognate Requirement Set A OR Cognate Requirement Set B | 4 | C | • Students will complete one of two sets of Cognate coursework over two terms. Choose either Set A or B below.<br>• The only students who need the two semester sequence of organic chemistry courses (CHM 233, CHM 237, CHM 234, and CHM 238) are those who plan to apply to a graduate school in a health profession. All that is required for the degree is CHM 231 and CHM 235. |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |

| | | |
|---|---|---|
| Term hours subtotal: | 14 | |

- If students select the two semester sequence of organic chemistry, then they will take CHM 234 and 238 in place of elective credits in Term 4.
- Develop your research skills.
- Develop your professional skills.

| Term 4 43 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cognate Requirement Set A OR Cognate Requirement Set B | 4 | C | • Students will complete remaining option in chosen set of Cognate coursework.<br>• If students plan to apply to a graduate school in a health profession and completed CHM 233 and CHM 237 in Term 3, then they should take CHM 234 and CHM 238 in Term 4 (C or better required) instead of electives.<br>• Students who elected to take CHM 231 and CHM 235 in Term 3 should take four credit hours of electives in Term 4.<br>• Explore an internship, an IGLE international experience, or ASU study abroad. |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective ( CHM 234 recommended) | 3 | | |
| Elective ( CHM 238 recommended) | 1 | | |
| Complete CHM 113 and CHM 116 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LSC 347: Fundamentals of Genetics | 3 | C | • Upper Division Biology Electives limited to course list below or BIO, ENV, LSC, MIC, PLB, or PTX courses with BIO 182 as a prerequisite. Up to three credit hours of LSC 388, LSC 484, LSC/BIO 493, LSC/BIO 499, and BIO 495 may be applied to the requirement. Seek academic advising prior to enrollment.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Biology Electives | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 353: Cell Biology | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| BIO 320: Fundamentals of Ecology | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Literacy and Critical Inquiry (L) ( BIO 306 recommended) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Biology Electives | 6 | C | • Upper Division Biology Electives limited to course list below or BIO, ENV, LSC, MIC, PLB, or PTX courses with BIO 182 as a prerequisite. Up to three credit hours of LSC 388, LSC 484, LSC/BIO 493, LSC/BIO 499, and BIO 495 may be applied to the requirement. Seek academic advising prior to enrollment.<br>• Gather professional references. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Biology Electives | 6 | C | • Upper Division Biology Electives limited to course list below or BIO, ENV, LSC, MIC, PLB, or PTX courses with BIO 182 as a prerequisite. Up to three credit hours of LSC 388, LSC 484, LSC/BIO 493, LSC/BIO 499, and BIO 495 may be applied to the requirement. Seek academic advising prior to enrollment.<br>• Apply for full-time career opportunities. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- Upper Division Biology Electives:
  - Up to 3 credit hours of LSC 388, LSC 484, LSC/BIO 493, LSC/BIO 499, or BIO 495 may be applied to this requirement.
  - Upper division BCH, BIO, ENV, LSC, MIC, PLB, or PTX courses may only apply if BIO 182 or higher is required as a prerequisite (or with prior approval from advising). 394/494 Special Topics must be pre-approved.

Hide Course List(s)/Track Group(s)

| Upper Division Biology Electives | Cognate Requirement Set A | Cognate Requirement Set B |
|---|---|---|
| BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory | GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I: Laboratory (SQ) | PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |
| BCH Upper Division Elective | PHY 101: Introduction to Physics (SQ) | PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) |
| BIO 306: Modes of Biological Thought (L) | | |
| BIO 331: Animal Behavior | | |
| BIO 345: Evolution | | |
| BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory | | |
| BIO 370: Vertebrate Zoology | | |

- BIO 385: Comparative Invertebrate Zoology
- BIO 412: Conservation in Practice
- BIO 422: Ecosystem Ecology
- BIO 431: Genes, Development, and Evolution (L)
- BIO 438: Marine Biology
- BIO 443: Applied Molecular Genetics and Genomics
- BIO 474: Herpetology
- BIO 495: Undergraduate Research
- BIO Upper Division Elective
- ENV 394: Animal Behavior in a Changing Environment or LSC 394: Animal Behavior in a Changing Environment
- ENV 410: Soil Science
- ENV Upper Division Elective
- FOR 414: Fundamentals of Forensic Entomology
- LSC 362: The Human Environment
- LSC 363: Genes, Race, Gender, and Society (L)
- LSC 369: Biology of Human Sexuality
- LSC 388: STEM Research Fundamentals
- LSC 434: Marine Ecology
- LSC 484: Internship
- LSC 493: Honors Thesis (L) or BIO 493: Honors Thesis (L)
- LSC 499: Individualized Instruction or BIO 499: Individualized Instruction
- LSC Upper Division Elective
- MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory
- MIC Upper Division Elective
- PLB 300: Plant Diversity and Evolution (L or SG)
- PLB 302: Plants and Civilization (L)
- PLB 308: Plant Physiology
- PLB 310: The Flora of Arizona
- PLB Upper Division Elective

PTX 301: Basics of Pharmacology and Toxicology

PTX 432: Fundamentals of Pharmacology or LSC 432: Fundamentals of Pharmacology

PTX Upper Division Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biology, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West, ASU at Lake Havasu
ASLSCBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • MAT 210 or higher-level (MA) accepted. MAT 251 (MA) recommended. Students considering research or graduate/medical/professional school may consider the MAT 270 and MAT 271 calculus sequence as an alternative (this may require more than 120 credits to complete degree).<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Students taking MAT 270 AND MAT 271 in place of MAT 210 still must complete a Statistics course. Students wishing to take STP 226 can take MAT 271 in place of STP 226 in Term 2, and then take STP 226 in a later term.<br>• Students considering medical school, graduate school, or research are encouraged to enroll in STP 280 (and 281 the following semester) in place of STP 226 so that they have a full year of statistics. Note that MAT 270 and 271 are prerequisites for STP 280 and 281 respectively. This may require more than 120 hours to complete the degree.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| **Term 4 44 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II | 4 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 2 | | |
| Complete CHM 113 AND CHM 116 course(s). | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 60 - 76 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory | 4 | C | • See note below regarding Upper Division Related Area Elective requirements.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Related Area Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| **Term 6 76 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory | 4 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory | 4 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Literacy and Critical Inquiry (L) ( BIO 306 recommended) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| | | **Minimum** | |
|---|---|---|---|

| Term 7 90 - 106 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ Upper Division Biology Distribution Course | 4 | C | • Students must select a minimum of one lecture or lecture/lab combined course from each one of the three distribution areas: Cellular, Molecular, and Physiological Biology; Integrative Systems Ecology; Organismal Biology.<br>• See note below regarding Upper Division Related Area Elective requirement.<br>• Gather professional references. |
| Upper Division Related Area Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) ( ASB 353 OR SOC 353 recommended) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:*<br>Upper Division Biology Distribution Course | 8 | C | • Students must select a minimum of one lecture or lecture/lab combined course from each one of the three distribution areas: Cellular, Molecular, and Physiological Biology; Integrative Systems Ecology; Organismal Biology.<br>• Apply for full-time career opportunities. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 14 | | |

- • Students must select a minimum of one lecture or lecture/lab combined course from each of the three Biology Distribution Areas: Cellular, Molecular and Physiological Biology; Integrative Systems Ecology; and Organismal Biology.
  • Upper Division Related Area Electives limited to courses designated for Biology (or related) majors in BCH, BIO, ENV, LSC, MIC, PLB, or PTX courses with BIO 182 as a prerequisite. Courses taken that do not require BIO 182 as a prerequisite will be used towards general university elective requirements. Not from BIO 305, 310, 312, 365. Special Topics 394/494 may be taken with prior approval. Up to three credit hours of LSC 388, LSC 484, LSC/BIO 493, LSC/BIO 499, and BIO 495 may be applied to this requirement.

Hide Course List(s)/Track Group(s)

| Biology Distribution: Cellular, Molecular and Physiological Biology | Biology Distribution: Integrative Systems Ecology | Biology Distribution: Organismal Biology |
|---|---|---|
| BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory | BIO 345: Evolution | BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory |
| BIO 431: Genes, Development, and Evolution (L) | BIO 412: Conservation in Practice | BIO 370: Vertebrate Zoology |
| BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory | BIO 422: Ecosystem Ecology | BIO 385: Comparative Invertebrate Zoology |
| PTX 301: Basics of Pharmacology and Toxicology | BIO 438: Marine Biology | BIO 474: Herpetology |
| | ENV 410: Soil Science | ENV 394: Animal Behavior in a Changing Environment or LSC 394: Animal Behavior in a Changing Environment |
| | LSC 362: The Human Environment | MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory |
| | LSC 434: Marine Ecology | |

| | | |
|---|---|---|
| PTX 432: Fundamentals of Pharmacology or LSC 432: Fundamentals of Pharmacology | PLB 300: Plant Diversity and Evolution (L or SG) | PLB 302: Plants and Civilization (L) |
| | | PLB 308: Plant Physiology |
| | | PLB 310: The Flora of Arizona |

| Upper Division Related Area Electives |
|---|
| BCH Upper Division Elective |
| BIO Upper Division Elective |
| ENV Upper Division Elective |
| LSC Upper Division Elective |
| PLB Upper Division Elective |
| PTX Upper Division Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biology (Pharmacology/Toxicology), BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASLSCPBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • MAT 210 or higher-level (MA) accepted. MAT 251 recommended. Students considering graduate school or research may consider the MAT 270 and MAT 271 calculus sequence as an alternative. This may require more than 120 credit hours to complete the degree.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Students can take MAT 271 in Term 2 and STP 226 in a later term.<br>• Students considering medical school, graduate school, or research are encouraged to enroll in STP 280 (and 281 the following semester) in place of STP 226 so that they have a full year of statistics. Note that MAT 270 and 271 are prerequisites for STP 280 and 281, respectively. This may require more than 120 hours to complete the degree.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |

| | | |
|---|---|---|
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C |
| Social-Behavioral Sciences (SB) | 3 | |
| Complete CHM 113 AND CHM 116 course(s). | | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | • Explore an internship, an IGLE international experience, or ASU study abroad. |
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | |
| CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory | 4 | C | • IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| LSC 362: The Human Environment | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory | 4 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory | 4 | C | |
| Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) ( ASB 353 OR SOC 353 recommended) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 90 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory | 4 | C | • Gather professional references. |
| PTX 432: Fundamentals of Pharmacology OR LSC 432: Fundamentals of Pharmacology | 3 | C | |
| MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory | 4 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following: | | | |

| | | |
|---|---|---|
| * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C |
| Term hours subtotal: | 14 | |

| Term 8 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PTX 475: Principles of Toxicology OR LSC 475: Principles of Toxicology | 3 | | • Apply for full-time career opportunities. |
| BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Term hours subtotal: | 16 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biotechnology and Bioenterprise, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASBITEBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • MAT 210 or higher-level MA accepted. MAT and STP requirements differ according to Focus Area selection: (1) Biotechnology: MAT 210 or higher-level (MA), STP 226. (2) Bioentrepreneurship: MAT 210 or higher-level (MA), STP 226. (3) Biostatistics: MAT 270, MAT 271, STP 280, STP 281.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 15-16 | | |

| Term 2 15 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Focus Area determines STP course in Term 2: for Biotechnology or Bioentrepreneurship Focus Area, complete STP 226; for Biostatistics Focus Area, complete STP 280.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 226: Elements of Statistics (CS) OR STP 280: Probability and Statistics for Researchers (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 29 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 14 | |

| Term 4 43 - 58 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II | 4 | C | • General Elective credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.<br>• Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 15 | | |

| Term 5 58 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory | 4 | C | • Students choosing the Bioentrepreneurship Focus Area should complete TMC 110 as their first Focus Area course.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• General Elective credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Focus Area Course | 4-3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 17-16 | | |

| Term 6 75 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory | 4 | C | • General Elective credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Focus Area Course | 4-3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14-13 | | |

| Term 7 89 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory | 4 | C | • Students in the Biostatistics Focus Area and the Bioentrepreneurship Focus Area complete a Focus Area course in this term.<br>• General Elective credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.<br>• Gather professional references. |
| TEM 230: Creativity and Business Innovation OR LSC 494: Hacking for Defense | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Focus Area Course | 0-3 | C | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 5 | |
| Term hours subtotal: | 15-18 | |

| Term 8 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LSC 484: Internship | 3 | C | • Students in the Bioentrepreneurship Focus Area complete a Focus Area course in this term.<br>• General Elective credit hours will be adjusted depending on chosen Focus Area. Discuss with your academic advisor.<br>• Apply for full-time career opportunities. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Focus Area Course | 0-3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 7-6 | | |
| Term hours subtotal: | 16-18 | | |

- Students select one Focus Area and complete all courses listed for that Focus Area. General Elective credit hours will be adjusted depending on chosen Focus Area. Please consult your advisor.

Hide Course List(s)/Track Group(s)

| Biostatistics Focus Area | Biotechnology Focus Area | Bioentrepreneurship Focus Area |
|---|---|---|
| MAT 271: Calculus with Analytic Geometry II (MA) | BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory | TMC 110: Understanding the Enterprise |
| STP 281: Statistical Analysis for Researchers | BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory | TMC 310: Promotion of the Enterprise |
| STP 310: Design and Analysis of Experiments | | TMC 320: Funding the Enterprise |
| | | TMC 330: Leading the Enterprise |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Communication, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West, ASU at Lake Havasu
ASCOMMBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 225: Public Speaking (L) | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 207: Introduction to Communication Inquiry | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication | 3 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication | 3 | C | • IAS 300 (three credit hours) is required for all transfer students.<br>• Communication Focus Area Electives: Complete five courses from within one recommended focus area or from multiple areas to meet the 15 credit hour requirement; at least 12 credit hours must be upper division.<br>• A maximum of six credit hours of COM Experiential Electives may be applied to major requirements (Focus Area Electives and/or Additional COM Electives): COM 314; COM 382; COM 383; COM 483; COM 484; COM 485; COM 498; or COM 499. COM 492 and/or COM 493 may apply to the Communication Focus Area Electives. Other COM courses may apply with advisor approval, including COM 294/394/494 Topics.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Communication Focus Area Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Communication Focus Area Elective | 6 | C | • Communication Focus Area Electives: Complete five courses from within one recommended focus area or from multiple areas to meet the 15 credit hour requirement; at least 12 credit hours must be upper division.<br>• A maximum of six credit hours of COM Experiential Electives may be applied to major requirements (Focus Area Electives and/or Additional COM Electives): COM 314; COM 382; COM 383; COM 483; COM 484; COM 485; COM 498; or COM 499. COM 492 and/or COM 493 may apply to the Communication Focus Area Electives. Other COM courses may apply with advisor approval, including COM 294/394/494 Topics.<br>• Use Handshake to research employment opportunities. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| COM Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- Complete an in person or virtual practice interview.

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Upper Division Elective | 3 | C | • Communication Focus Area Electives: Complete five courses from within one recommended focus area or from multiple areas to meet the 15 credit hour requirement; at least 12 credit hours must be upper division.<br>• A maximum of six credit hours of COM Experiential Electives may be applied to major requirements (Focus Area Electives and/or Additional COM Electives): COM 314; COM 382; COM 383; COM 483; COM 484; COM 485; COM 498; or COM 499. COM 492 and/or COM 493 may apply to the Communication Focus Area Electives. Other COM courses may apply with advisor approval, including COM 294/394/494 Topics.<br>• Gather professional references. |
| Upper Division Communication Focus Area Elective | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Upper Division Elective | 3 | C | • Communication Focus Area Electives: Complete five courses from within one recommended focus area or from multiple areas to meet the 15 credit hour requirement; at least 12 credit hours must be upper division.<br>• A maximum of six credit hours of COM Experiential Electives may be applied to major requirements (Focus Area Electives and/or Additional COM Electives): COM 314; COM 382; COM 383; COM 483; COM 484; COM 485; COM 498; or COM 499. COM 492 and/or COM 493 may apply to the Communication Focus Area Electives. Other COM courses may apply with advisor approval, including COM 294/394/494 Topics.<br>• Apply for full-time career opportunities. |
| Upper Division Communication Focus Area Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Communication Focus Area: Communication, Community, and Culture | Communication Focus Area: Strategic and Public Interest Communication | Communication Focus Area: Mediated Communication |
|---|---|---|
| COM 110: Elements of Interpersonal Communication (SB) | COM 124: Media and Culture (C) | COM 124: Media and Culture (C) |
| COM 235: Disability, Justice and Advocacy (C) | COM 222: Argumentation (L) | COM 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C) |
| COM 230: Small Group Communication (SB) | COM 259: Communication in Business and the Professions | |

- COM 250: Communication and the Workplace (SB)
- COM 263: Elements of Intercultural Communication (SB & C & G)
- COM 277: Sport Communication
- COM 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C)
- COM 310: Relational Communication (SB)
- COM 312: Communication, Conflict, and Negotiation
- COM 314: Inner-City Families: The Cycle of Poverty
- COM 316: Gender and Communication (SB & C)
- COM 317: Nonverbal Communication (SB)
- COM 321: Rhetorical Theory and Research ((L or HU) & H)
- COM 342: Oral History and Storytelling
- COM 371: Language, Culture, and Communication (SB & C & G)
- COM 400: Communication in Professions
- COM 410: Interpersonal Communication Theory and Research (SB)
- COM 411: Communication in the Family (SB)
- COM 413: Resilient Relationships and Communities
- COM 417: Communication and Aging
- COM 421: Rhetoric of Social Issues (HU)
- COM 423: Facilitating Collaboration and Dialogue
- COM 427: Crime and Media
- COM 430: Leadership in Group Communication
- COM 432: Forgiveness and Reconciliation
- COM 450: Organizational Communication (SB)
- COM 451: Communication and Work Relationships
- COM 453: Communication Training and Development
- COM 463: Intercultural Communication in a Global Context (SB & G)
- COM 294: Introduction to Strategic Communication
- COM 319: Persuasion and Social Influence (SB)
- COM 320: Communication and Consumerism (SB)
- COM 321: Rhetorical Theory and Research ((L or HU) & H)
- COM 325: Advanced Public Speaking and Presentations (L)
- COM 328: Communicating Science
- COM 342: Oral History and Storytelling
- COM 353: Professional Communication
- COM 414: Crisis Communication
- COM 415: Risk Communication
- COM 421: Rhetoric of Social Issues (HU)
- COM 422: Advanced Argumentation (L)
- COM 423: Facilitating Collaboration and Dialogue
- COM 426: Political Communication (SB)
- COM 453: Communication Training and Development
- COM 454: Rhetorical and Critical Approaches to Public Relations
- COM 456: Political Communication Campaigns
- COM 457: New Media
- COM 482: Communication, Instruction and Training
- COM 316: Gender and Communication (SB & C)
- COM 324: Rhetoric and Media Criticism
- COM 363: Latinxs and the Media (C)
- COM 416: Gender and Race in the Media
- COM 424: Television Studies and Criticism
- COM 427: Crime and Media
- COM 429: Semiotics and Visual Communication
- COM 455: Surveillance and Popular Culture
- COM 457: New Media
- COM 458: Media and Everyday Life
- COM 459: Theory and Methods of Social Media Networks
- COM 471: Global Media and Cultural Identity (G)
- COM 477: Sport, Culture, and Discourses

COM 477: Sport, Culture, and Discourses

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Communication, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West, ASU at Lake Havasu
ASCOMMBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) | 3 | C | • Student should consult an advisor on (MA) course selection to ensure prerequisites for selected Statistics/Research requirement are met.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 225: Public Speaking (L) | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 207: Introduction to Communication Inquiry | 3 | C | • Student should select PSY 101 to meet (SB) requirement if interested in taking PSY 230 to satisfy three credit hours of Statistics/Research requirement.<br>• Develop your research skills.<br>• Develop your professional skills. |
| COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication | 3 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication | 3 | C | • Communication Focus Area Electives: Complete five courses from within one recommended focus area or from multiple areas to meet the 15 credit hour requirement, at least 12 credit hours of which must be upper division.<br>• A maximum of six credit hours of COM Experiential Electives may be applied to major requirements (Focus Area Electives and/or Additional COM Electives): COM 314; COM 382; COM 383; COM 483; COM 484; COM 485; COM 498; COM 499. COM 492 and/or COM 493 may apply to the Communication Focus Area Electives. Other COM courses may apply with advisor approval, including COM 294/394/494 Topics.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| PSY 330: Statistical Methods (CS) OR SBS 304: Social Statistics I (CS) OR STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| Communication Focus Area Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Communication Focus Area Elective | 6 | C | • Communication Focus Area Electives: Complete five courses from within one recommended focus area or from multiple areas to meet the 15 credit hour requirement, at least 12 credit hours of which must be upper division.<br>• A maximum of six credit hours of COM Experiential Electives may be applied to major requirements (Focus Area Electives and/or Additional COM Electives): COM 314; COM 382; COM 383; COM 483; COM 484; COM 485; COM 498; COM 499. COM 492 and/or COM 493 may apply to the Communication Focus Area |
| COM Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign | 3 | C | |

| | | | |
|---|---|---|---|
| | language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| | Term hours subtotal: | 15 | |

Electives. Other COM courses may apply with advisor approval, including COM 294/394/494 Topics.
- Use Handshake to research employment opportunities.
- Complete an in person or virtual practice interview.

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Communication Focus Area Elective | 3 | C | • Communication Focus Area Electives: Complete five courses from within one recommended focus area or from multiple areas to meet the 15 credit hour requirement, at least 12 credit hours of which must be upper division.<br>• A maximum of six credit hours of COM Experiential Electives may be applied to major requirements (Focus Area Electives and/or Additional COM Electives): COM 314; COM 382; COM 383; COM 483; COM 484; COM 485; COM 498; COM 499. COM 492 and/or COM 493 may apply to the Communication Focus Area Electives. Other COM courses may apply with advisor approval, including COM 294/394/494 Topics.<br>• Gather professional references. |
| ★ COM Upper Division Elective | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Communication Focus Area Elective | 3 | C | • Communication Focus Area Electives: Complete five courses from within one recommended focus area or from multiple areas to meet the 15 credit hour requirement, at least 12 credit hours of which must be upper division.<br>• A maximum of six credit hours of COM Experiential Electives may be applied to major requirements (Focus Area Electives and/or Additional COM Electives): COM 314; COM 382; COM 383; COM 483; COM 484; COM 485; COM 498; COM 499. COM 492 and/or COM 493 may apply to the Communication Focus Area Electives. Other COM courses may apply with advisor approval, including COM 294/394/494 Topics.<br>• Apply for full-time career opportunities. |
| ★ COM Upper Division Elective | 3 | C | |
| Upper Division Elective OR COM 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Communication Focus Area: Communication, Community, and Culture | Communication Focus Area: Mediated Communication | Communication Focus Area: Strategic and Public Interest Communication |
|---|---|---|
| COM 110: Elements of Interpersonal Communication (SB) | COM 124: Media and Culture (C) | COM 124: Media and Culture (C) |

COM 235: Disability, Justice and Advocacy (C)

COM 230: Small Group Communication (SB)

COM 250: Communication and the Workplace (SB)

COM 263: Elements of Intercultural Communication (SB & C & G)

COM 277: Sport Communication

COM 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C)

COM 310: Relational Communication (SB)

COM 312: Communication, Conflict, and Negotiation

COM 314: Inner-City Families: The Cycle of Poverty

COM 316: Gender and Communication (SB & C)

COM 317: Nonverbal Communication (SB)

COM 321: Rhetorical Theory and Research ((L or HU) & H)

COM 342: Oral History and Storytelling

COM 371: Language, Culture, and Communication (SB & C & G)

COM 400: Communication in Professions

COM 410: Interpersonal Communication Theory and Research (SB)

COM 411: Communication in the Family (SB)

COM 413: Resilient Relationships and Communities

COM 417: Communication and Aging

COM 421: Rhetoric of Social Issues (HU)

COM 423: Facilitating Collaboration and Dialogue

COM 427: Crime and Media

COM 430: Leadership in Group Communication

COM 432: Forgiveness and Reconciliation

COM 450: Organizational Communication (SB)

COM 451: Communication and Work Relationships

COM 302: Representations and Self-Representations of Veterans in the Media and the Arts (H & C)

COM 316: Gender and Communication (SB & C)

COM 324: Rhetoric and Media Criticism

COM 363: Latinxs and the Media (C)

COM 416: Gender and Race in the Media

COM 424: Television Studies and Criticism

COM 427: Crime and Media

COM 429: Semiotics and Visual Communication

COM 455: Surveillance and Popular Culture

COM 457: New Media

COM 458: Media and Everyday Life

COM 459: Theory and Methods of Social Media Networks

COM 471: Global Media and Cultural Identity (G)

COM 477: Sport, Culture, and Discourses

COM 222: Argumentation (L)

COM 259: Communication in Business and the Professions

COM 294: Introduction to Strategic Communication

COM 319: Persuasion and Social Influence (SB)

COM 320: Communication and Consumerism (SB)

COM 321: Rhetorical Theory and Research ((L or HU) & H)

COM 325: Advanced Public Speaking and Presentations (L)

COM 328: Communicating Science

COM 342: Oral History and Storytelling

COM 353: Professional Communication

COM 414: Crisis Communication

COM 415: Risk Communication

COM 421: Rhetoric of Social Issues (HU)

COM 422: Advanced Argumentation (L)

COM 423: Facilitating Collaboration and Dialogue

COM 426: Political Communication (SB)

COM 453: Communication Training and Development

COM 454: Rhetorical and Critical Approaches to Public Relations

COM 456: Political Communication Campaigns

COM 457: New Media

COM 482: Communication, Instruction and Training

COM 453: Communication Training and Development

COM 463: Intercultural Communication in a Global Context (SB & G)

COM 477: Sport, Culture, and Discourses

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Computational Forensics, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASCPFBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 101: Introduction to Computer Science (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your career interest area and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FOR 105: Physical Evidence and the Crime Scene (SQ) | 4 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 102: Object-Oriented Programming (CS) | 3 | C | • Completion of ACO 101 and ACO 102 (with a C or better) fulfills the New College Proficiency - Language and Cultures Requirement.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FOR 106: Biology Behind the Crime Scene (SQ) | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| ACO 201: Data Structures and Algorithms (CS) | 3 | C | |
| STP 280: Probability and Statistics for Researchers (CS) | 3 | C | |
| Global Awareness (G) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAT 275: Modern Differential Equations (MA) | 3 | C |
| ACO 240: Introduction to Programming Languages | 3 | C |
| MAT 243: Discrete Mathematical Structures OR MAT 300: Mathematical Structures (L) | 3 | C |
| STP 281: Statistical Analysis for Researchers | 3 | C |
| Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 15 | |

- Explore an internship, ASU study abroad, or an IGLE international experience.

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 343: Applied Linear Algebra | 3 | C | • IAS 300 (three credit hours) is required for all transfer students in place of NEW 101.<br>• Thinking about graduate school? Consider registering for a graduate test prep course.<br>• Develop your professional online presence. |
| STP 310: Design and Analysis of Experiments | 3 | C | |
| ACO 320: Database Systems | 3 | C | |
| STP 311: Regression and Time Series Analyses | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 350: Techniques and Applications of Applied Mathematics | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| ACO 350: Systems Programming (CS) | 3 | C | |
| STP 450: Nonparametric Statistics | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 423: Data Science | 3 | C | • Gather professional references. |
| *Complete 2 courses:*<br>Upper Division Computational Forensics Elective | 6-8 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15-17 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FOR 350: Computer Forensics | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Computational Forensics Elective | 6-8 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15-17 | | |

Hide Course List(s)/Track Group(s)

| Computational Forensics Elective |
| --- |
| ACO 321: Database Development & Applications |
| ACO 420: Big Data Systems |
| BIO 181: General Biology I (SQ) |
| BIO 182: General Biology II (SG) |
| CHM 113: General Chemistry I (SQ) |
| CHM 116: General Chemistry II (SQ) |
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I |
| CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II |
| FOR 286: Principles of Forensic Science |
| FOR 402: Forensic Biology |
| LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory |
| MAT 421: Applied Computational Methods (CS) |
| MAT 450: Mathematical Models in Biology |
| MAT 452: Introduction to Chaos and Nonlinear Dynamics |

| Upper Division Computational Forensics Elective |
| --- |
| ACO 321: Database Development & Applications |
| ACO 420: Big Data Systems |
| FOR 402: Forensic Biology |
| LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory |
| MAT 421: Applied Computational Methods (CS) |
| MAT 450: Mathematical Models in Biology |
| MAT 452: Introduction to Chaos and Nonlinear Dynamics |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Conflict Resolution, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASCNRBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H or NEW 101-S satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-H or NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience OR NEW 101-H: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 222: Argumentation (L) OR COM 230: Small Group Communication (SB) OR COM 263: Elements of Intercultural Communication (SB & C & G) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 15 |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAX 230: Introduction to Peace Studies (G) OR JHR 100: Introduction to Social Justice and Human Rights (SB & G) | 3 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 312: Communication, Conflict, and Negotiation | 3 | C | • IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence.<br>• Conflict Resolution Focus Area: students complete two courses from each of the four focus areas below, for 24 total credit hours. |
| *Complete 2 courses:* Upper Division Conflict Resolution Focus Area Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Conflict Resolution Focus Area Course | 6 | C | • Conflict Resolution Focus Area: students complete two courses from each of the four focus areas below, for 24 total credit hours.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Conflict Resolution Focus Area Course | 6 | C | • Conflict Resolution Focus Area: students complete two courses from each of the four focus areas below, for 24 total credit hours.<br>• Conflict Resolution Program Elective: complete nine credit hours from any focus area, or six credit hours from any focus area plus three credit hours from COM 484, COM 493 or COM 499.<br>• Gather professional references. |
| *Complete 2 courses:* Upper Division Conflict Resolution Program Elective | 6 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language | 3 | C | |

| | | | |
|---|---|---|---|
| or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | | | |
| | Term hours subtotal: | 15 | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Conflict Resolution Focus Area Course | 6 | C | • Conflict Resolution Focus Area: students complete two courses from each of the four focus areas below, for 24 total credit hours.<br>• Conflict Resolution Program Elective: complete nine credit hours from any focus area, or six credit hours from any focus area plus three credit hours from COM 484, COM 493 or COM 499.<br>• Apply for full-time career opportunities. |
| Upper Division Conflict Resolution Program Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- • Conflict Resolution Focus Area: students complete two courses from each of the four focus areas below, for 24 total credit hours.
  • Conflict Resolution Program Elective: complete nine credit hours from any focus area, or six credit hours from any focus area plus three credit hours from COM 484, COM 493 or COM 499.

Hide Course List(s)/Track Group(s)

| Relational/Interpersonal Conflict | Work and Organizational Conflict | Global/Intercultural Conflict |
|---|---|---|
| COM 310: Relational Communication (SB) | COM 400: Dissent in Organizations | COM 316: Gender and Communication (SB & C) |
| COM 319: Persuasion and Social Influence (SB) | COM 414: Crisis Communication | COM 342: Oral History and Storytelling |
| COM 411: Communication in the Family (SB) | COM 415: Risk Communication | COM 371: Language, Culture, and Communication (SB & C & G) |
| COM 413: Resilient Relationships and Communities | COM 423: Facilitating Collaboration and Dialogue | COM 416: Gender and Race in the Media |
| COM 417: Communication and Aging | COM 430: Leadership in Group Communication | COM 463: Intercultural Communication in a Global Context (SB & G) |
| COM 432: Forgiveness and Reconciliation | COM 451: Communication and Work Relationships | COM 471: Global Media and Cultural Identity (G) |
| | | POS 480: Global Justice (G) or SBS 480: Global Justice (G) |
| | | SOC 445: Globalization, Development, and Resistance (SB & G) |

| Conflict in Political and Social Systems | Conflict Resolution Program Elective |
|---|---|
| AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C) | COM 484: Internship |
| COM 421: Rhetoric of Social Issues (HU) | COM 493: Honors Thesis (L) |
| COM 422: Advanced Argumentation (L) | COM 499: Individualized Instruction |

ENG 456: Studies in Forensic Linguistics or
PAX 456: Studies in Forensic Linguistics or
SBS 456: Studies in Forensic Linguistics

HST 355: Total War and the Crisis of Modernity (SB & G & H)

HST 454: History of Genocide (G & H)

POS 470: Law and the Political Order (SB)

SOC 352: Social Change (SB & G & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Disability Studies, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASDISASBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DST 101: Introduction to Disability Studies (C) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (three credits) is required for all transfer students in place of NEW 101.<br>• Select your career interest communities and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 200: Introduction to Social and Cultural Analysis (SB & C) | 3 | C | • Develop your skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Global Awareness (G) | 3 | | • Explore an internship, an IGLE international experience or ASU Study Abroad. |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | • IAS 300 (three credit hours) is required for all transfer students.<br>• Develop your professional online presence. |
| *Complete 2 courses:*<br>Upper Division Disability Studies Elective | 6 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DST 322: Social and Cultural Implications of the Many Forms of Disability OR DST 458: Disability and Communication Advocacy | 3 | C | • Use Handshake to research employment opportunities. |
| *Complete 2 courses:*<br>Upper Division Disability Studies Elective | 6 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Disability Studies Elective | 6 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DST 493: Honors Thesis (L) OR HRC 480: Capstone: Practices and Approaches (L) OR IAS 484: Internship | 3 | C | • Complete an in person or virtual practice interview. |
| *Complete 2 courses:* | | | |

| | | |
|---|---|---|
| Upper Division Disability Studies Elective | 6 | C |
| Elective | 3 | |
| Term hours subtotal: | 12 | |

- Disability Studies Electives: Complete eight courses (24 credit hours) from the list below with a C or better. DST 322 and DST 458 may only apply once each to either the Core requirements or the Disability Studies Electives.

Hide Course List(s)/Track Group(s)

Upper Division Disability Studies Electives

AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)

AMS 469: Abject Bodies and the Politics of Trash (SB & C) or ETH 469: Abject Bodies and the Politics of Trash (SB & C) or WST 469: Abject Bodies and the Politics of Trash (SB & C)

ASB 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB)

BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)

COM 421: Rhetoric of Social Issues (HU)

DST 322: Social and Cultural Implications of the Many Forms of Disability

DST 394: Civil Rights Law and Accessibility Compliance

DST 394: Disability History

DST 394: Disability Studies Memoir and Writing or ENG 394: Disability Studies Memoir and Writing

DST 394: International Disability Issues

DST 394: Special Topics

DST 458: Disability and Communication Advocacy

DST 494: Disability and Aesthetics or ENG 494: Disability and Aesthetics or IAP 494: Disability and Aesthetics

DST 494: Disability & Media: The Politics of Representation or COM 494: Disability & Media: The Politics of Representation

DST 494: Gender, Sexuality, and Disability

DST 494: Special Topics

ENG 469: Science and Literature or DST 469: Science and Literature

FAS 498: Disability and Inclusion or CDE 498: Disability and Inclusion or SOC 498: Disability and Inclusion

HRC 494: Veterans and Critical Disability Studies

IAP 494: Accessibility in Digital Arts and Design

JMC 366: Journalism Ethics and Diversity

JUS 301: Research in Justice Studies (SB)

JUS 437: The Social Construction of Disability and Justice

JUS 494: Policy, Advocacy and Disability

RTH 364: Foundations of Recreation Therapy (SB)

SOC 352: Social Change (SB & G & H)

SOC 400: Perspectives on Aging (SB)

SOC 426: Social Inequalities (SB)

WST 444: Gender, Health, and Bodies (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Disability Studies, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online, ASU Local
ASDISASBA

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101 satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DST 101: Introduction to Disability Studies (C) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | • Review the Career Guide for ASU Online students to learn about available career planning resources. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Create a first draft resume. |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 200: Introduction to Social and Cultural Analysis (SB & C) | 3 | C | • Build your professional skills. |
| Elective | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | • Explore an IGLE international experience or ASU Study Abroad. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Disability Studies Elective | 3 | C | • IAS 300 (three credit hours) is required for all transfer students in place of NEW 101. |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DST 322: Social and Cultural Implications of the Many Forms of Disability OR DST 458: Disability and Communication Advocacy | 3 | C | |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Disability Studies Elective | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Disability Studies Elective | 3 | C | • Thinking about graduate school? Consider registering for a grad school test prep course. |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Disability Studies Elective | 3 | C | • Create your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Disability Studies Elective | 3 | C | • Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Disability Studies Elective | 3 | C | • Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Disability Studies Elective | 3 | C | • Gather professional references. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Disability Studies Elective | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ DST 493: Honors Thesis (L) OR HRC 480: Capstone: Practices and Approaches (L) OR IAS 484: Internship | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 3 | | |
| Term hours subtotal: | 3 | | |

- Disability Studies Electives: Complete eight courses (24 credit hours) from the list below with a C or better. DST 322 and DST 458 may only apply once each to either the Core Requirements or the Disability Studies Electives.

Hide Course List(s)/Track Group(s)

| Upper Division Disability Studies Electives |
| --- |
| AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) |
| AMS 469: Abject Bodies and the Politics of Trash (SB & C) or ETH 469: Abject Bodies and the Politics of Trash (SB & C) |
| ASB 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) |
| BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) |
| DST 322: Social and Cultural Implications of the Many Forms of Disability |
| DST 394: Civil Rights Law and Accessibility Compliance |
| DST 394: Disability History |
| DST 394: Disability Studies Memoir and Writing |
| DST 394: International Disability Issues |
| DST 394: Special Topics |
| DST 458: Disability and Communication Advocacy |
| DST 494: Disability and Aesthetics or IAP 494: Disability and Aesthetics |
| DST 494: Disability & Media: The Politics of Representation |
| DST 494: Gender, Sexuality, and Disability |
| DST 494: Special Topics |
| FAS 498: Disability and Inclusion or CDE 498: Disability and Inclusion or SOC 498: Disability and Inclusion |
| ENG 469: Science and Literature or DST 469: Science and Literature |
| HRC 494: Veterans and Critical Disability Studies |

IAP 494: Accessibility in Digital Arts and Design

JUS 301: Research in Justice Studies (SB)

RTH 364: Foundations of Recreation Therapy (SB)

SOC 352: Social Change (SB & G & H)

SOC 400: Perspectives on Aging (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## English, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASENGBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (three credits) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 200: Critical Reading and Writing About Literature (L or HU) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| ENG Elective | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>ENG Elective | 6 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>English Distribution Cluster Course | 6 | C | • Distribution Cluster Course: Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper division. Individual courses do not apply to more than one cluster. Consult your academic advisor to determine where best to apply each course.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>English Distribution Cluster Course | 6 | C | • Distribution Cluster Course: Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper division. Individual courses do not apply to more than one cluster. Consult your academic advisor to determine where best to apply each course.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division English Distribution Cluster Course | 6 | C | • Distribution Cluster Course: Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper division. Individual courses do not apply to more than one cluster. Consult |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR IAS 484: Internship | 3 | | |
| Upper Division Elective | 3 | | |

| | | | |
|---|---|---|---|
| | Term hours subtotal: | 15 | |

your academic advisor to determine where best to apply each course.
- Gather professional references.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division English Distribution Cluster Course | 6 | C | • Distribution Cluster Course: Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper division. Individual courses do not apply to more than one cluster. Consult your academic advisor to determine where best to apply each course.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- Complete two courses (six credit hours) from each of the four distribution clusters below for a total of 24 credit hours (C or better). At least 12 credits must be upper division. Individual courses do not apply to more than one cluster. Consult your academic advisor to determine where best to apply each course.

Hide Course List(s)/Track Group(s)

| English Distribution Cluster: Writing, Power, Change | English Distribution Cluster: Climate, Energy, Infrastructure | English Distribution Cluster: Borders, Boundaries, Citizenship |
|---|---|---|
| ENG 205: Introduction to Writing, Rhetorics and Literacies (L) | ENG 245: Popular Culture Issues | ENG 221: Survey of English Literature (HU) |
| ENG 213: Introduction to the Study of Language | ENG 324: Horror: Film and Short Stories | ENG 222: Survey of English Literature (HU & H) |
| ENG 217: Writing Reflective Essays (L) | ENG 342: 20th-Century British and Irish Literature (HU) | ENG 241: Literatures of the United States to 1860 ((L or HU) & C) |
| ENG 241: Literatures of the United States to 1860 ((L or HU) & C) | ENG 367: Environmental Issues in Literature and Film (L or HU) | ENG 242: Literatures of the United States, 1860 to Present (HU) |
| ENG 288: Beginning Creative Writing Workshop in Fiction | ENG 369: Science Fiction Studies | ENG 328: The Novel to Jane Austen (HU & H) |
| ENG 311: Persuasive Writing (L) | ENG 378: Environmental Creative Nonfiction (L or HU) | ENG 333: American Ethnic Literature |
| ENG 317: Cross-Cultural Writing ((L or HU) & G) | ENG 415: Studies in Medieval Literature and Culture (HU) | ENG 334: The American Southwest in Literature and Film ((L or HU) & C) |
| ENG 323: Rhetoric and Grammar (L) | ENG 416: Chaucer in Middle English (HU) | ENG 342: 20th-Century British and Irish Literature (HU) |
| ENG 339: Creating Dramatic Works: Page to Stage to Screen | ENG 471: Literature for Young Adults (HU) | ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |
| ENG 352: Short Story (L or HU) | ENG 498: Reading Englands Literary Landscapes (L) | ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) |
| ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) | | ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) |
| ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) | | |

ENG 361: Scriptwriting

ENG 379: Travel Writing (L)

ENG 394: Print and the Protest

ENG 410: Writing for Publication

ENG 416: Chaucer in Middle English (HU)

ENG 425: Studies in Romanticism (HU)

ENG 433: Literary Magazine Publishing: Canyon Voices

ENG 437: The American Novel, 1900 - 1960 (L or HU)

ENG 440: Studies in American Literature and Culture

ENG 472: Rhetorical Studies

English Distribution Cluster: Bodies, Intersections, Transitions

ENG 203: Introduction to Health Humanities (HU)

ENG 323: Rhetoric and Grammar (L)

ENG 324: Horror: Film and Short Stories

ENG 333: American Ethnic Literature

ENG 364: Women and Literature (HU)

ENG 369: Science Fiction Studies

ENG 421: Studies in Shakespeare (L or HU)

ENG 431: Whitman and Dickinson (L or HU)

ENG 443: Gender, Culture and Literacy

ENG 454: Gender and Literature (L or HU) or WST 454: Gender and Literature (L or HU)

ENG 461: Studies in Women and Literature

ENG 472: Rhetorical Studies

ENG 476: Studies in Folklore

ENG 478: Studies in Modernism

ENG 494: Disrupting Dis/Ability Discourses

ENG 494: Weird Fiction: Films and Short Stories

ENG 379: Travel Writing (L)

ENG 386: American Gothic

ENG 394: Oral History & Storytelling in Humanities & Arts

ENG 420: Multicultural Autobiographies ((L or HU) & C)

ENG 432: The American Renaissance (HU)

ENG 457: Studies in American Poetry (HU)

ENG 462: Africana Literature (HU & G)

ENG 498: Reading Englands Literary Landscapes (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## English (Secondary Education), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASENGSEBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.<br>• By the end of Term 4, a minimum 2.25 cumulative GPA is required in order to progress into the upper division education program courses.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Global Awareness (G) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective ( TEL 111 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • GCU 113 satisfies the US and AZ constitution requirement for teacher certification.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( CIS 105 OR EDT 180 recommended) | 3 | | |
| Humanities, Arts and Design (HU) ( TEL 212 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( GCU 113 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 200: Critical Reading and Writing About Literature (L or HU) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| *Complete 2 courses:*<br>ENG Elective | 6 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | | |
|---|---|---|---|
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| | Term hours subtotal: | 13 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literature & Culture, Pre-1860 | 3 | C | • Apply for an identity verified print (IVP) fingerprint clearance card. Your IVP fingerprint card will be needed prior to enrolling in Term 5 education courses and internship.<br>• Meet with a Mary Lou Fulton Teachers College advisor early in the semester to discuss education program requirements and submit a copy of your IVP fingerprint card.<br>• BLE 220 satisfies the requirement for a Structured English Immersion Endorsement (For Certified Teachers). This Endorsement authorizes the holder to teach one or more English language learners in the area they are appropriately certified.<br>• Explore an internship, an IGLE international experience, or ASU study abroad. |
| *Complete 2 courses:*<br>ENG Elective | 6 | C | |
| Literacy and Critical Inquiry (L) ( BLE 220 recommended) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Identities, Communities, & Social Practices | 3 | C | • An ENG upper-division special topics course will satisfy the Identities, Communities, and Social Practices requirement if the course topic focuses explicitly upon issues of identities, communities, and social practice. Please see your academic advisor before enrollment.<br>• IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| IAS 300: Career Strategies and Personal Resilience (L or SB) OR Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| ENG Upper Division Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | • TEL 366 (recommended) provides additional classroom experience prior to the required internship and student teaching experiences during senior year. TEL 366 requires 45 hours in a 6-12th grade classroom over the semester. Reliable transportation is required to get to school sites in Terms 6-8.<br>• An ENG upper-division special topics course will satisfy the Transnational, Linguistic, & Textual Circulation requirement if the course topic focuses explicitly upon issues of transnationalism & textual circulation. Please see your academic advisor before enrollment.<br>• Use Handshake to research employment opportunities. |
| Literature and Culture, Post-1860 | 3 | C | |
| Theories and Practices of Writing | 3 | C | |
| Transnational, Linguistic, & Textual Circulation | 3 | C | |
| ENG Upper Division Elective | 3 | C | |
| Elective ( TEL 366 recommended) | 1 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

- Complete an in person or virtual practice interview.

| Term 7 91 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ENG 482: Methods of Teaching English: Language (L) | 3 | C | • All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.<br>• TEL 477 is a required internship, which allows you to work alongside a mentor teacher in a 6-12th grade classroom for a total of 75 hours. Reliable transportation is required to get to school site.<br>• Gather professional references. |
| ★ TEL 332: Disciplinary Literacy Methods | 3 | C | |
| TEL 477: Internship: Advanced | 2 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 6 | C | |
| Upper Division Elective ( TEL 340 recommended) | 3 | | |
| ★ Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 471: Professional Educator Series: The Principled Educator | 1 | | • Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester. Reliable transportation is required to get to school site.<br>• Students seeking teacher certification must pass required educator exams. Speak to your education advisor to plan appropriately.<br>• Apply for full-time employment opportunities. |
| ★ TEL 488: Student Teaching | 11 | C | |
| ★ Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Distribution Clusters: Complete one course from each distribution cluster below (15 credits total). At least two courses from the cluster requirements must be at the 400-level.

English Electives: Complete 18 credit hours of English electives. A minimum of six upper-division credit hours required.

First-year composition courses (ENG 101, ENG 102, ENG 105, ENG 107, and ENG 108) do not apply. ENG 499 Individualized Instruction may be used to fulfill an English Elective one time only for a maximum of three credit hours.

Hide Course List(s)/Track Group(s)

| Literature & Culture, Pre-1860 | Literature & Culture, Post-1860 | Transnational, Linguistic, & Textual Circulation |
|---|---|---|
| ENG 221: Survey of English Literature (HU) | ENG 222: Survey of English Literature (HU & H) | ENG 213: Introduction to the Study of Language |
| ENG 241: Literatures of the United States to 1860 ((L or HU) & C) | ENG 242: Literatures of the United States, 1860 to Present (HU) | ENG 317: Cross-Cultural Writing ((L or HU) & G) |
| ENG 315: Medieval Literature in Translation | ENG 334: The American Southwest in Literature and Film ((L or HU) & C) | ENG 333: American Ethnic Literature |
| ENG 321: Shakespeare (L or HU) | ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) | ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) |
| ENG 328: The Novel to Jane Austen (HU & H) | | |

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 415: Studies in Medieval Literature and Culture (HU)

ENG 416: Chaucer in Middle English (HU)

ENG 421: Studies in Shakespeare (L or HU)

ENG 423: Renaissance Drama (L or HU)

ENG 425: Studies in Romanticism (HU)

ENG 432: The American Renaissance (HU)

ENG 440: Studies in American Literature and Culture

ENG 369: Science Fiction Studies

ENG 386: American Gothic

ENG 431: Whitman and Dickinson (L or HU)

ENG 437: The American Novel, 1900 - 1960 (L or HU)

ENG 438: American Novel Since 1960 (L or HU)

ENG 440: Studies in American Literature and Culture

ENG 450: The British Novel (HU)

ENG 471: Literature for Young Adults (HU)

ENG 478: Studies in Modernism

ENG 479: Studies in Postmodernism (HU & G)

ENG 379: Travel Writing (L)

ENG 413: History of English Language (HU)

ENG 462: Africana Literature (HU & G)

ENG 498: Reading Englands Literary Landscapes (L)

NEW 300: International Cities

Identities, Communities, & Social Practices

ENG 312: English in its Social Setting (L or HU or SB)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 400: History of Literary Criticism (L or HU)

ENG 401: Topics in Critical Theory

ENG 420: Multicultural Autobiographies ((L or HU) & C)

ENG 440: Studies in American Literature and Culture

ENG 454: Gender and Literature (L or HU) or WST 454: Gender and Literature (L or HU)

ENG 456: Studies in Forensic Linguistics

ENG 460: Ethnic Women Writers

ENG 461: Studies in Women and Literature

ENG 462: Africana Literature (HU & G)

ENG 463: African American Literature

ENG 472: Rhetorical Studies

ENG 479: Studies in Postmodernism (HU & G)

Theories and Practices of Writing

ENG 205: Introduction to Writing, Rhetorics and Literacies (L)

ENG 311: Persuasive Writing (L)

ENG 323: Rhetoric and Grammar (L)

ENG 335: American Poetry

ENG 361: Scriptwriting

ENG 379: Travel Writing (L)

ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice

ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice

ENG 410: Writing for Publication

ENG 457: Studies in American Poetry (HU)

ENG 490: Literary Forms: Theory and Practice in Poetry

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Environmental Science, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West, ASU at Lake Havasu
ASENVBA

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 is required in place of NEW 101-M for transfer students.<br>• MAT 170 or higher-level calculus (MA) accepted.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| ENV 201: Fundamentals of Environmental Science | 3 | C | |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Social Science Elective | 3 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GLG 108: Water Planet (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Introduction to Geology I: Laboratory (SQ) | 4 | C | • Explore an internship, an IGLE international experience or ASU Study Abroad. |
| ECN 212: Microeconomic Principles (SB) | 3 | C | |
| GPH 210: Society and Environment (G) | 3 | C | |
| SOS 111: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Social Science Elective | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 302: Environmental Chemistry | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.<br>• Thinking about graduate school? Consider registering for a graduate test prep course.<br>• Develop your professional online presence . |
| BIO 353: Cell Biology OR LSC 347: Fundamentals of Genetics | 3 | C | |
| Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Social Science Elective | 3 | C | |
| Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory | 4 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview.<br>• Up to 6 credit hours (two completions) of 499 Individualized Instruction or 484 Internship can be used towards Upper Division Science Electives. However, to be applied each completion of 499/484 must be a unique experience with a different instructor. |
| SOC 331: Environmental Sociology (SB & G) | 3 | C | |
| Upper Division Science Elective AND Upper Division Literacy and Critical Inquiry (L) | 3 | C | |
| Upper Division Science Elective | 3-4 | C | |
| Cultural Diversity in the U.S. (C) AND Historical Awareness (H) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16-17 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENV 345: Spatial Analysis in the Environmental Sciences | 3 | C | • Completion of the Upper Division Cultural Diversity in the U.S. (C) or Upper Division Global Awareness (G) AND SOC 331 in Term 6 satisfies the New College Proficiency - Language and Cultures requirement.<br>• Gather professional references.<br>• Up to 6 credit hours (two completions) of 499 Individualized Instruction or 484 Internship can be used towards Upper Division Science Electives. However, to be applied each completion of 499/484 must be a unique experience with a different instructor. |
| *Complete 2 courses:*<br>Upper Division Science Elective | 6-8 | C | |
| Upper Division Cultural Diversity in the U.S. (C) OR Upper Division Global Awareness (G) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15-17 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENV 485: Environmental Impact Assessment | 3 | C | • Apply for full-time career opportunities. |

| | | |
|---|---|---|
| Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C |
| Upper Division Social Science Elective | 3 | C |
| Upper Division Elective | 2 | |
| Elective OR ENV 484: Internship | 3 | |
| Term hours subtotal: | 14 | |

- Upper Division Science Electives: Complete three to four courses (12 credit hours).
- To fulfill the General Studies Upper Division Literacy and Critical Inquiry (L) requirement, choose from BIO 410, BIO 426, ENV/PLB 300, or ENV/PLB 302.
- Up to six credit hours (two completions) of 499 Individualized Instruction can be used towards Upper Division Science Electives. However, to be applied, each completion of 499 must be a unique experience with a different instructor.
- Social Science Electives: Complete four courses (12 credit hours).

Hide Course List(s)/Track Group(s)

| Upper Division Science Electives | Social Science Electives | Upper Division Ethics Electives |
|---|---|---|
| BIO 360: Animal Physiology | ABS 381: Natural Resources Policy | IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU) |
| BIO 370: Vertebrate Zoology | ABS 479: Ecosystem Management and Planning (L) | IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) |
| BIO 385: Comparative Invertebrate Zoology | ASB 272: Economic Justice (SB) | IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU) |
| BIO 410: Techniques in Conservation Biology and Ecology (L) | ASB 326: Human Impacts on Ancient Environments (SB & H) | IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) |
| BIO 412: Conservation in Practice | ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G) | PHI 306: Applied Ethics (HU) |
| BIO 422: Ecosystem Ecology | COM 312: Communication, Conflict, and Negotiation | PHI 360: Business and Professional Ethics (HU) |
| BIO 426: Limnology (L) | COM 328: Communicating Science | |
| BIO 474: Herpetology | COM 430: Leadership in Group Communication | |
| BIO 499: Individualized Instruction or ENV 499: Individualized Instruction or LSC 499: Individualized Instruction or PLB 499: Individualized Instruction | ECN 211: Macroeconomic Principles (SB) | |
| ENV 300: Plant Diversity and Evolution (L or SG) or PLB 300: Plant Diversity and Evolution (L or SG) | ERM 428: International Environmental Management (G) | |
| ENV 302: Plants and Civilization (L) or PLB 302: Plants and Civilization (L) | HST 345: Environmental History (L) | |
| ENV 388: STEM Research Fundamentals or PLB 388: STEM Research Fundamentals | OGL 200: Introduction to Organizational Leadership (SB) | |
| ENV 394: Animal Behavior in a Changing Environment or LSC 394: Animal Behavior in a Changing Environment | OGL 300: Theory and Practice of Leadership | |
| ENV 394: Special Topics or PLB 394: Special Topics | OGL 355: Leading Organizational Innovation and Change | |
| ENV 410: Soil Science | PMG 240: Introduction to Project Management | |
| | POS 110: American Government and Politics (SB) | |

ENV 484: Internship or LSC 484: Internship

ENV 492: Honors Directed Study

ENV 494: Special Topics or PLB 494: Special Topics

ERM 502: Regulatory Framework for Toxic and Hazardous Substances

ERM 520: Sustainability and Sustainable Development

ERM 522: Air Pollution and Toxic Chemicals

ERM 523: Soils and Groundwater Contamination

ERM 527: Environmental/Resources Regulations Concepts

ERM 535: Water Law and Policy

ERM 598: Environmental Health

LSC 434: Marine Ecology

PLB 308: Plant Physiology

PLB 310: The Flora of Arizona

POS 331: Public Opinion (SB)

POS 426: Elements of Public Policy (SB)

PUP 301: Introduction to Urban Planning (L)

SOC 333: Population (SB & G)

SOS 230: Professional Skills in Sustainability

SOS 311: Future Thinking and Strategies

SOS 385: Business and Sustainability I

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Environmental Science, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West, ASU at Lake Havasu
ASENVBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific First-Year Seminar is required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (three credit hours) is required for transfer students in place of NEW 101-M.<br>• MAT 210, MAT 251 or MAT 270 is recommended for students intending to pursue graduate degrees.<br>• MAT 270 is necessary for students intending on taking the Data/Modeling Track focus courses.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 15-16 | | |

| Term 2 15 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Either STP 226 or STP 280 is acceptable to meet the requirement. STP 280 is necessary for students intending to take Data/Modeling Track focus courses.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 226: Elements of Statistics (CS) OR STP 280: Probability and Statistics for Researchers (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 29 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENV 201: Fundamentals of Environmental Science | 3 | C | • One semester of organic chemistry lecture & lab is required, either CHM 231 & 235 or CHM 233 & 237. CHM 233 & 237 should be taken by students intending to take |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |

| | | | |
|---|---|---|---|
| PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

electives from the Chemistry/Toxicology Track focus area, as they are prerequisites required for many courses in that focus area.

- Develop your research skills.
- Develop your professional skills.

| Term 4 43 - 58 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GLG 108: Water Planet (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ) AND ENV 103: Introduction to Geology I: Laboratory (SQ) | 4 | C | |
| SOS 111: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Track Focus Elective Course | 4 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Elective | 1 | | |
| Term hours subtotal: | 15 | | |

- The program electives are grouped by track focus areas. Students can take electives from any of the track focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.
- Students must complete a total of at least 11 hours of track focus elective courses and at least three hours of upper-division track focus elective courses.
- Explore an internship, an IGLE international experience, or ASU Study Abroad.

| Term 5 58 - 73 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 302: Environmental Chemistry | 3 | C | |
| BIO 353: Cell Biology OR LSC 347: Fundamentals of Genetics | 3 | C | |
| Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

- IAS 300 (three credit hours) is required for all transfer students.
- Thinking about graduate school? Consider registering for a grad school test prep course.
- Develop your professional online presence.

| Term 6 73 - 87 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory | 4 | C | |
| ENV 345: Spatial Analysis in the Environmental Sciences | 3 | C | |
| Track Focus Elective Course | 4-3 | C | |
| PLB course (L) Upper Division | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14-13 | | |

- The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.
- Use Handshake to research employment opportunities.

- Complete an in person or virtual practice interview.
- Up to six credit hours (two completions) of 499 Individualized Instruction can be used towards Capstone and/or Track Focus Electives. However, to be applied, each completion of 499 must be a unique experience with a different instructor.

| Term 7 87 - 104 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ENV 410: Soil Science | 4 | C | • The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.<br>• Up to six credit hours (two completions) of 499 Individualized Instruction can be used towards Capstone and/or Track Focus Electives. However, to be applied, each completion of 499 must be a unique experience with a different instructor.<br>• Gather professional references. |
| Upper Division Environmental Science Capstone | 3 | C | |
| Upper Division Field Intensive Course | 4 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Track Focus Elective Course | 3 | C | |
| Term hours subtotal: | 17 | | |

| Term 8 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BIO 422: Ecosystem Ecology | 3 | C | • The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.<br>• Up to six credit hours (two completions) of 499 Individualized Instruction can be used towards Capstone and/or Track Focus Electives. However, to be applied, each completion of 499 must be a unique experience with a different instructor.<br>• Apply for full-time career opportunities. |
| ★ ENV 485: Environmental Impact Assessment | 3 | C | |
| BIO 370: Vertebrate Zoology OR BIO 385: Comparative Invertebrate Zoology | 4 | C | |
| Upper Division Ethics Elective AND Upper Division Humanities, Arts and Design (HU) | 3 | C | |
| Track Focus Elective Course | 3-4 | C | |
| Term hours subtotal: | 16-17 | | |

- 
- Environmental Science Track Focus Areas: Electives listed below are grouped by focus areas. Students can complete electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group. Courses taken to fulfill core requirements cannot also be used to fulfill track focus electives.
- Up to six credit hours (two completions) of 499 Individualized Instruction can be used towards Capstone and/or Environmental Science Track Focus Electives. However, to be applied, each completion of 499 must be a unique experience with a different instructor.

Hide Course List(s)/Track Group(s)

| Field Intensive Course |
| --- |
| BIO 474: Herpetology |
| ENV 494: Field Techniques in Natural Resource Management |
| PLB 310: The Flora of Arizona |

| Chemistry/Toxicology Track |
| --- |
| BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory |
| BIO 353: Cell Biology |
| BIO 443: Applied Molecular Genetics and Genomics |
| CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II |
| CHM 303: Environmental Chemistry Laboratory (L) |
| ERM 522: Air Pollution and Toxic Chemicals |
| ERM 523: Soils and Groundwater Contamination |
| ERM 598: Environmental Health |
| LSC 347: Fundamentals of Genetics |
| LSC 425: Analytical Chemistry for Life Sciences |
| LSC 426: Analytical Chemistry for Life Sciences Lab |
| LSC 475: Principles of Toxicology |

| Ecosystem/Global Change Track |
| --- |
| BIO 323: Ecosystem Restoration and Management |
| BIO 412: Conservation in Practice |
| BIO 415: Statistical Models for Biology (CS) |
| BIO 421: Landscape Ecology |
| BIO 426: Limnology (L) |
| ENV 388: STEM Research Fundamentals or LSC 388: STEM Research Fundamentals or PLB 388: STEM Research Fundamentals |
| GLG 325: Oceanography |
| GLG 327: Earth's Critical Zone |
| ERM 520: Sustainability and Sustainable Development |
| LSC 362: The Human Environment |
| LSC 434: Marine Ecology |
| MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory |
| SOS 110: Sustainable World (SB) |

| Organismal/Conservation Biology Track |
| --- |
| BIO 360: Animal Physiology |
| BIO 370: Vertebrate Zoology |
| BIO 385: Comparative Invertebrate Zoology |
| BIO 410: Techniques in Conservation Biology and Ecology (L) |
| BIO 474: Herpetology |
| ENV 300: Plant Diversity and Evolution (L or SG) or PLB 300: Plant Diversity and Evolution (L or SG) |
| ENV 302: Plants and Civilization (L) or PLB 302: Plants and Civilization (L) |
| ENV 394: Animal Behavior in a Changing Environment or LSC 394: Animal Behavior in a Changing Environment |
| ENV 394: Special Topics or ENV 494: Special Topics |
| PLB 308: Plant Physiology |
| PLB 310: The Flora of Arizona |

| Data/Modeling Track |
| --- |
| MAT 271: Calculus with Analytic Geometry II (MA) |
| MAT 275: Modern Differential Equations (MA) |
| MAT 343: Applied Linear Algebra |
| MAT 450: Mathematical Models in Biology or MAT 451: Mathematical Modeling (CS) |
| STP 281: Statistical Analysis for Researchers |
| STP 310: Design and Analysis of Experiments |
| STP 311: Regression and Time Series Analyses |
| STP 315: Statistical Computing |
| STP 450: Nonparametric Statistics |
| STP 460: Categorical Data Analysis |
| STP 499: Individualized Instruction |

| Business/Leadership Track |
| --- |
| COM 415: Risk Communication |
| COM 430: Leadership in Group Communication |
| ERM 502: Regulatory Framework for Toxic and Hazardous Substances |
| ERM 527: Environmental/Resources Regulations Concepts |
| ERM 535: Water Law and Policy |
| OGL 200: Introduction to Organizational Leadership (SB) |
| OGL 300: Theory and Practice of Leadership |
| OGL 355: Leading Organizational Innovation and Change |
| PMG 240: Introduction to Project Management |
| SOS 230: Professional Skills in Sustainability |
| SOS 311: Future Thinking and Strategies |

| | |
|---|---|
| PLB 394: Special Topics or PLB 494: Special Topics | SOS 385: Business and Sustainability I |

| Upper Division Environmental Science Capstone | Upper Division Ethics Electives |
|---|---|
| BIO 495: Undergraduate Research | IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU) |
| BIO 499: Individualized Instruction | IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) |
| ENV 484: Internship | IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU) |
| ENV 492: Honors Directed Study | IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) |
| ENV 493: Honors Thesis (L) | PHI 306: Applied Ethics (HU) |
| ENV 499: Individualized Instruction | PHI 360: Business and Professional Ethics (HU) |
| LSC 484: Internship | |
| LSC 492: Honors Directed Study | |
| LSC 493: Honors Thesis (L) | |
| LSC 499: Individualized Instruction | |
| PLB 499: Individualized Instruction | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Applied Computing, Mathematics and Technology

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASACMTEXPL

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 101: Introduction to Computer Science (CS) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• Completion of both ACO 101 and ACO 102 with a C or better fulfills the New College Language and Cultures requirement.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16-17 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 102: Object-Oriented Programming (CS) | 3 | C | • Completion of both ACO 101 and ACO 102 with a C or better fulfills the New College Proficiency - Language and Cultures requirement.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) | 3-4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15-16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 201: Data Structures and Algorithms (CS) OR ACO 240: Introduction to Programming Languages OR STP 280: Probability and Statistics for Researchers (CS) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Natural Science - Quantitative (SQ) | 4 | | |

| | |
|---|---|
| Historical Awareness (H) | 3 |
| Literacy and Critical Inquiry (L) | 3 |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 |
| Complete First-Year Composition requirement. | |
| Complete Mathematics (MA) requirement. | |
| Milestone: Selection of a major. | |
| Term hours subtotal: | 16 |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global (G), Historical (H), and Cultural (C) awareness requirements with their Social-Behavioral Sciences (SB) or Humanities, Arts and Design (HU) courses.

**Total Hours:** 47
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Exploratory Health and Life Sciences

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASHSCIEXPL

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You | 3 | C | |
| Term hours subtotal: | 14-15 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You | 3 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| STP 226: Elements of Statistics (CS) OR STP 280: Probability and Statistics for Researchers (CS) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Milestone: Selection of a major. | | | |
| | Term hours subtotal: | 16 | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 46
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Humanities, Fine Arts and Design

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASHUFAEXPL

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| PHI 101: Introduction to Philosophy (HU) | 3 | C | |
| NEW 101-H: The ASU New College Experience | 1 | | |
| NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 200: Critical Reading and Writing About Literature (L or HU) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU) | 3 | C | |
| Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Milestone: Selection of a major. | | | |
| | Term hours subtotal: | 16 | |

Hide Course List(s)/Track Group(s)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Social and Behavioral Sciences

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSBSEXPL

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You | 3 | C | |
| Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | C | |
| NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 225: Public Speaking (L) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |

Milestone: Selection of a major.

Term hours subtotal: 16

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Forensic Science, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASFOREBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 29 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| CRJ 100: Introduction to Criminal Justice (SB) | 3 | C | |
| FOR 286: Principles of Forensic Science | 4 | C | |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 44 - 59 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| CHM 234: General Organic Chemistry II | 3 | C | • Forensic science internships are very competitive and the application process takes time. Fall semester internships typically require application in the spring semester prior, and spring or summer semester internships require application by the start of the preceding fall semester. |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| FOR 200: Forensic Science Seminar | 1 | Y | |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) ( PSY 211 recommended) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 59 - 73 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 371: Modern Concepts in Biochemistry | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence . |
| BCH 372: Modern Concepts in Biochemistry Laboratory | 1 | C | |
| LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 6 73 - 88 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FOR 370: Fundamentals of Forensic Analysis | 4 | C | Upper-Division Forensic Science Distribution/Elective Requirements. Students must complete each of the following:<br>• At least 4-credit hours of Upper Division Forensic Science Biology coursework<br>• At least 6-credit hours of Upper Division Forensic Science Chemistry coursework<br>• At least 10-credit hours of Upper Division Forensic Science Elective Coursework<br>See Track/Group Notes at the bottom of the major map for additional rules and course options.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| FOR 425: Analytical Chemistry for Life Sciences AND FOR 426: Analytical Chemistry for Life Sciences Lab | 5 | C | |
| FOR 360: Statistical Applications in Forensic Science | 3 | C | |
| FOR 413: Sacred Crimes: Religion and Violence (G & H) OR FOR 449: Latin American Cinema: The Dead and the Disappeared (G & H) OR FOR 454: History of Genocide (G & H) | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 88 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Forensic Science Culminating Experience | 3 | C | Upper-Division Forensic Science Distribution/Elective Requirements. Students must complete each of the following:<br>• At least 4-credit hours of Upper Division Forensic Science Biology coursework<br>• At least 6-credit hours of Upper Division Forensic Science Chemistry coursework<br>• At least 10-credit hours of Upper Division Forensic Science Elective Coursework |
| FOR 410: Testimony and Ethics in the Forensic Sciences (L) | 3 | C | |
| Upper Division Forensic Science Chemistry Distribution Course | 3 | C | |
| Upper Division Forensic Science Elective | 4-3 | C | |
| Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | C | |
| Term hours subtotal: | 16-15 | | |

See Track/Group Notes at the bottom of the major map for additional rules and course options.

- Students must participate in a culminating experience, choosing from FOR 388, FOR 484, FOR 492, or FOR 499. Each of these courses requires prior faculty approval and mentorship. FOR 499 must consist of an approved, faculty-mentored research project to be used as the culminating, senior-level experience. See academic advisor for questions.
- Gather professional references.

| **Term 8 104 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Forensic Science Chemistry Distribution Course | 3 | C | Upper-Division Forensic Science Distribution/Elective Requirements. Students must complete each of the following:<br>• At least 4-credit hours of Upper Division Forensic Science Biology coursework<br>• At least 6-credit hours of Upper Division Forensic Science Chemistry coursework<br>• At least 10-credit hours of Upper Division Forensic Science Elective Coursework<br>See Track/Group Notes at the bottom of the major map for additional rules and course options.<br>• Apply for full-time career opportunities. |
| Upper Division Forensic Science Biology Distribution Course | 4 | C | |
| Upper Division Forensic Science Elective | 6-7 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Term hours subtotal: | 16-17 | | |

- Upper-Division Forensic Science Distribution/Elective Requirements: Students must complete each of the following:
  - At least 4 credit hours of Upper Division Forensic Science Biology coursework
  - At least 6 credit hours of Upper Division Forensic Science Chemistry coursework
  - At least 10 credit hours of Upper Division Forensic Science Elective coursework
- At least two lab courses must be taken (either individual 1 credit labs or lecture/lab combos) in fulfilling the forensic biology distribution, forensic science chemistry distribution, and forensic science elective requirements.
- Courses do not count towards more than one category between Biology Distribution, Chemistry Distribution, Forensic Science Electives, and Culminating Experience.

Hide Course List(s)/Track Group(s)

| Upper Division Forensic Science Biology Distribution Courses | Upper Division Forensic Science Chemistry Distribution Courses | Upper Division Forensic Science Electives |
|---|---|---|
| FOR 380: Analysis of Nonhuman Forensic DNA Evidence | FOR 401: Forensic Toxicology | FOR 380: Analysis of Nonhuman Forensic DNA Evidence |
| FOR 394: Forensic Botany | FOR 404: Forensic Toxicology Laboratory | FOR 394: Forensic Botany |

| | | |
|---|---|---|
| FOR 394: Introduction to Forensic Anthropology | FOR 475: Principles of Toxicology | FOR 394: Introduction to Forensic Anthropology |
| FOR 402: Forensic Biology | FOR 494: Forensic Chemistry | FOR 400: Comparative Forensics |
| FOR 405: Techniques in Forensic Biology Laboratory | FOR 494: Forensic Chemistry Lab | FOR 401: Forensic Toxicology |
| FOR 414: Fundamentals of Forensic Entomology | | FOR 402: Forensic Biology |
| FOR 447: Molecular Genetics Laboratory | | FOR 403: Comparative Forensics Laboratory |
| FOR 480: Advanced Topics in Human Forensic DNA Typing | | FOR 404: Forensic Toxicology Laboratory |
| FOR 494: Human Osteology and Forensic Techniques | | FOR 405: Techniques in Forensic Biology Laboratory |
| | | FOR 414: Fundamentals of Forensic Entomology |
| | | FOR 447: Molecular Genetics Laboratory |
| | | FOR 475: Principles of Toxicology |
| | | FOR 480: Advanced Topics in Human Forensic DNA Typing |
| | | FOR 484: Internship |
| | | FOR 486: Peer Mentoring in the Forensic Sciences |
| | | FOR 494: Forensic Chemistry |
| | | FOR 494: Forensic Chemistry Lab |
| | | FOR 494: Human Osteology and Forensic Techniques |
| | | FOR 499: Individualized Instruction |

| Upper Division Forensic Science Culminating Experience |
|---|
| FOR 388: STEM Research Fundamentals |
| FOR 484: Internship |
| FOR 492: Honors Directed Study |
| FOR 494: Fundamental Skills in Forensic Science |
| FOR 496: Forensic Science Service Learning |
| FOR 499: Individualized Instruction |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Forensic Science, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online, ASU Local
ASFOREBS

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific First-Year Seminar required for all first-year students. NEW 101 satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 15 - 22 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Review the Career Guide for ASU Online students to learn about available career planning resources. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 22 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 29 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Plan ahead for in-person laboratory attendance in Summer Term 4 and Summer Term 8 on ASU's campus in Arizona.<br>• ASU Online Forensic Science BS students will complete experiments for the Organic Chemistry labs (CHM 237 and CHM 238) and Biochemistry lab (BCH 372) during a 2-week, immersive, in-person experience on ASU's campuses in Arizona during Summer Term 4. Experiments will be conducted and completed during the 2-week on-campus residency, and lab reports will be completed in subsequent weeks during the same summer term. |
| FOR 286: Principles of Forensic Science | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 36 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 234: General Organic Chemistry II | 3 | C | |
| CRJ 100: Introduction to Criminal Justice (SB) | 3 | C | |
| FOR 200: Forensic Science Seminar | 1 | Y | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 43 - 50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) ( PSY 211 recommended) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 50 - 57 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 371: Modern Concepts in Biochemistry | 3 | C | • Develop your professional online presence. |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Summer 4 57 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 372: Modern Concepts in Biochemistry Laboratory | 1 | C | • During Summer Term 4, ASU Online Forensic Science BS students will complete experiments for the Organic Chemistry labs (CHM 237 and CHM 238) at the ASU Tempe campus during a one-week session, followed immediately by another one-week session at the ASU West campus to complete all experiments for the Biochemistry lab (BCH 372). Lab reports will be completed in subsequent weeks during the same summer term. |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Term hours subtotal: | 3 | | |

| Term 5 - A 60 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) | 3 | |
| Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | |
| Term hours subtotal: | 6 | |

- IAS 300 (3 credit hours) is required for all transfer students.

| Term 5 - B 66 - 73 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory | 4 | C | |
| FOR 413: Sacred Crimes: Religion and Violence (G & H) OR HST 454: History of Genocide (G & H) or REL 454: History of Genocide (G & H) | 3 | C | |
| Term hours subtotal: | 7 | | |

- Forensic science internships are competitive and the application process takes time. Fall semester internships typically require application in the spring semester prior, and spring or summer semester internships require application by the start of the preceding fall semester.

| Term 6 - A 73 - 80 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FOR 370: Fundamentals of Forensic Analysis | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 80 - 86 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FOR 360: Statistical Applications in Forensic Science | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

- Plan ahead for in-person laboratory attendance in Summer Term 8 at ASU's West campus in Glendale, AZ.
- Thinking about graduate school? Consider registering for a grad school test prep course.

| Term 7 - A 86 - 92 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FOR 410: Testimony and Ethics in the Forensic Sciences (L) | 3 | | Upper-Division Forensic Science Biology, Chemistry, and other Forensic Science Distribution Requirements (20 credit hours total): |
| Upper Division Forensic Science Chemistry Distribution Course | 3 | C | |
| Term hours subtotal: | 6 | | |

- 4 credit hours of Upper Division Forensic Science Biology coursework
- 6 credit hours of Upper Division Forensic Science Chemistry coursework
- 10 credit hours of Upper Division Forensic Science Elective coursework

See Track/Group Notes at the bottom of the major map for specific course requirements.

| Term 7 - B 92 - 97 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FOR 425: Analytical Chemistry for Life Sciences AND FOR 426: Analytical Chemistry for Life Sciences Lab | 5 | C | |
| Term hours subtotal: | 5 | | |

- Use Handshake to research employment opportunities.
- Complete an in person or virtual practice interview.

| Term 8 - A 97 - 104 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ Upper Division Forensic Science Biology Distribution Course | 4 | C | Upper-Division Forensic Science Biology, Chemistry, and other Forensic Science Distribution Requirements (20 credit hours total):<br>• 4 credit hours of Upper Division Forensic Science Biology coursework<br>• 6 credit hours of Upper Division Forensic Science Chemistry coursework<br>• 10 credit hours of Upper Division Forensic Science Elective coursework<br><br>See Track/Group Notes at the bottom of the major map for specific course requirements.<br><br>• Gather professional references. |
| Upper Division Forensic Science Requirement | 3-4 | C | |
| Term hours subtotal: | 7-8 | | |

| Term 8 - B 104 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Forensic Science Requirement | 4-3 | C | • Apply for full-time career opportunities. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. | 3 | C | |
| Term hours subtotal: | 7-6 | | |

| Summer 8 111 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Forensic Science Culminating Experience | 3 | C | • ASU Online Forensic Science BS students will participate in a culminating experience. Barrett Honors students may choose FOR 492 or 493 as their culminating experience. However, it is strongly recommended that all online Forensic Science BS students participate in the forensics residency experience, FOR 494 Fundamental Skills in Forensic Science.<br>• FOR 494 Fundamentals of Forensic Science requires an immersive, 2-week residency in the crime scene lab and other labs at ASU's West campus in Glendale, AZ.<br>• Alternatively, students may seek a local internship (FOR 484). Forensic Science internships are not guaranteed. Forensic science internships are competitive and the application process takes time. All internships require prior faculty approval. Please contact your academic advisor for questions. |
| Term hours subtotal: | 3 | | |

| Term 9 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Forensic Science Chemistry Distribution Course | 3 | C | Upper-Division Forensic Science Biology, Chemistry, and other Forensic Science Distribution Requirements (20 credit hours total):<br>• 4 credit hours of Upper Division Forensic Science Biology coursework |
| ★ Upper Division Forensic Science Requirement | 3 | C | |
| Term hours subtotal: | 6 | | |

- 6 credit hours of Upper Division Forensic Science Chemistry coursework
- 10 credit hours of Upper Division Forensic Science Elective coursework

See Track/Group Notes at the bottom of the major map for specific course requirements.

- Upper-Division Forensic Science Biology, Chemistry, and other Forensic Science Distribution Requirements (20 credit hours total):
    - 4 credit hours of Upper Division Forensic Science Biology coursework - FOR 402 (3 credits) and FOR 405 (1 credit).
    - 6 credit hours of Upper Division Forensic Science Chemistry coursework - FOR 401 (3 credits) and FOR 475 (3 credits).
    - 10 credit hours of Upper Division Forensic Science Elective coursework - FOR 394 (3 credits), FOR 400 (3 credits), FOR 494 Forensic Chemistry (3 credits), and FOR 494 Forensic Chemistry Lab ( 1 credit).

Hide Course List(s)/Track Group(s)

| Upper Division Forensic Science Biology Distribution Courses |
| --- |
| FOR 402: Forensic Biology AND FOR 405: Techniques in Forensic Biology Laboratory |

| Upper Division Forensic Science Chemistry Distribution Courses |
| --- |
| FOR 401: Forensic Toxicology |
| FOR 475: Principles of Toxicology |

| Upper Division Forensic Science Requirements |
| --- |
| FOR 394: Introduction to Forensic Anthropology |
| FOR 400: Comparative Forensics |
| FOR 494: Forensic Chemistry |
| FOR 494: Forensic Chemistry Lab |

| Upper Division Forensic Science Culminating Experience |
| --- |
| FOR 484: Internship |
| FOR 492: Honors Directed Study |
| FOR 494: Fundamental Skills in Forensic Science |

**Notes:**

- 
    - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Gender, Women and Sexuality Studies, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASWSTBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Students should consult an advisor on (MA) course selection to ensure prerequisites for selected Statistics or Quantitative Methods requirement are met.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| WST 100: Women, Gender, and Society (SB & C) | 3 | C | |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Women and Gender Studies Elective | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 200: Introduction to Social and Cultural Analysis (SB & C) | 3 | C | • If students are interested in taking PSY 230 to satisfy a Statistics or Quantitative Methods Elective, then PSY 101 should be taken as a university elective.<br>• Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Women and Gender Studies Elective | 3 | C | |
| Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students; elective credit hours may need adjustment. Transfer students, please see your academic advisor.<br>• Completion of HRC 310 with a C or better fulfills three credit hours of the New College Language and Cultures requirement.<br>• Thinking of grad school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| *Complete 2 courses:*<br>Upper Division Women and Gender Studies Elective | 6 | C | |
| Statistics or Quantitative Methods Electives | 3 | C | |
| Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:*<br>Upper Division Women and Gender Studies Elective | 9 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Women and Gender Studies Elective | 6 | C | • Gather professional references. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective OR WST 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| HRC 480: Capstone: Practices and Approaches (L) | | 3 | C |
| *Complete 2 courses:*<br>Upper Division Women and Gender Studies Elective | | 6 | C |
| Statistics or Quantitative Methods Electives | | 3 | C |
| | Term hours subtotal: | 12 | |

- Apply for full-time career opportunities.

- For Women and Gender Studies Electives, students must choose courses from the course list below. Other courses must be approved by an academic advisor before enrollment. No course may be used to satisfy more than one requirement in the major.

Hide Course List(s)/Track Group(s)

| Women and Gender Studies Electives |
|---|
| AMS 332: Studies in Race and Ethnicity |
| AMS 334: Class in America (SB) or ETH 333: Class in America (SB) or WST 334: Class in America (SB) |
| AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) |
| COM 316: Gender and Communication (SB & C) |
| COM 416: Gender and Race in the Media |
| ENG 336: Women, Film and Culture (SB & C) or WST 330: Women, Film and Culture (SB & C) |
| ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) |
| ENG 364: Women and Literature (HU) |
| ENG 443: Gender, Culture and Literacy or WST 415: Gender, Culture and Literacy |
| ENG 454: Gender and Literature (L or HU) or WST 454: Gender and Literature (L or HU) |
| ENG 455: Contemporary Women Writers |
| ENG 461: Studies in Women and Literature |
| ENG 462: Africana Literature (HU & G) |
| HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) |
| HST 419: 20th Century Chicano/a History (C) |
| SBS 301: Cultural Diversity ((L or SB) & C) |
| SOC 426: Social Inequalities (SB) |
| WST 220: Gender, Media and Culture (HU & C) |

| Statistics or Quantitative Methods Electives |
|---|
| PSY 230: Introduction to Statistics (CS) |
| PSY 290: Research Methods (L or SG) |
| SBS 303: Quantitative Methods |
| SBS 304: Social Statistics I (CS) |
| STP 226: Elements of Statistics (CS) |
| STP 420: Introductory Applied Statistics (CS) |

- WST 276: U.S. Women's Movements (H & C)
- WST 333: Critical Perspectives on Sexuality (SB & C)
- WST 341: Latin American Women Writers (HU & G) or LAS 340: Latin American Women Writers (HU & G)
- WST 370: Chronicling Women's Lives (HU & C)
- WST 376: Feminist Theory (H & C)
- WST 380: Race, Gender, and Class (SB & C)
- WST 390: Women, Gender and Religion (HU & G) or REL 390: Women, Gender and Religion (HU & G)
- WST 428: Gender, Madness and Justice (SB)
- WST 430: Gender on the Borderlands (SB & G)
- WST 433: Race and Sexualities in Social Justice Movements or ETH 433: Race and Sexualities in Social Justice Movements
- WST 444: Gender, Health, and Bodies (SB)
- WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)
- WST 457: Women, Cultures, and Societies (SB & G)
- WST 469: Abject Bodies and the Politics of Trash (SB & C)
- WST 473: Indigenous and Latina/Chicana Representation (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total College Residency Hrs:** 12 minimum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## History, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASHISBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Two Semester Survey in U.S. History, Global History or European History/Western Civilization AND Historical Awareness (H) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Two Semester Survey in U.S. History, Global History or European History/Western Civilization AND Historical Awareness (H) | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Elective | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>History Related Area Course | 6 | C | • Explore an internship, IGLE international experience or ASU Study Abroad. |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>HST Upper Division Elective | 6 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Non-US Non-European History Course | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| History Related Area Course | 3 | C | |
| HST Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Non-US Non-European History Course | 3 | C | • Students must successfully complete six credit hours of upper-division History coursework prior to enrolling in HST 495.<br>• Gather professional references. |
| *Complete 2 courses:*<br>Upper Division History Related Area Course | 6 | C | |
| HST Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HST 495: Methods of Historical Inquiry (L) | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective OR IAS 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- Students must complete two courses from one of the three Two Semester History Surveys: U.S. History, Global History or European History/Western Civilization.
- Students must complete 12 credit hours of upper-division history in courses offered by the New College of Interdisciplinary Arts and Sciences.
- Students must successfully complete six credit hours of upper-division History coursework prior to enrolling in HST 495.

Hide Course List(s)/Track Group(s)

| Two Semester History Survey: U.S. History | Two Semester History Survey: Global History | Two Semester History Survey: European History/Western Civilization |
|---|---|---|
| HST 109: United States to 1865 ((HU or SB) & H) | HST 100: Global History to 1500 (HU & H & G) | HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H) |
| HST 110: United States Since 1865 (SB & H) | HST 101: Global History Since 1500 (HU & H & G) | HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H) |
| | | HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H) |

| Non-US/Non-European History Courses | History Related Area Courses |
|---|---|
| HST 375: Colonial Latin America (SB & H) | AMS Elective |
| HST 376: Modern Latin America (SB & G & H) | ENG Elective |
| HST 394: The Empire of Cyrus the Great of Persia | ETH Elective |
| HST 404: Conquest and Encounters in Colonial Latin America (L & G) | HRC Elective |
| HST 430: The Ottoman Empire in the Classical Period | HST Elective |
| HST 441: Latin America and the World Economy (L & G & H) | JHR Elective |
| HST 454: History of Genocide (G & H) | LAS Elective |
| | PAX Elective |
| | PHI Elective |
| | REL Elective |
| | SPA Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## History (Secondary Education), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASHISSEBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Two Semester Survey in U.S. History, Global History or European History/Western Civilization AND Historical Awareness (H) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.<br>• By the end of Term 4, a minimum 2.25 cumulative GPA is required in order to progress into the upper division education program courses.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective ( TEL 111 recommended) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Two Semester Survey in U.S. History, Global History or European History/Western Civilization AND Historical Awareness (H) | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) ( TEL 212 recommended) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Elective | 3 | C | • BLE 220 satisfies the requirement for a Structured English Immersion Endorsement (For Certified Teachers). This Endorsement authorizes the holder to teach one or more English language learners in the area they are appropriately certified.<br>• GCU 113 satisfies the US and AZ constitution requirement for teacher certification. |
| History Related Area Course | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) ( CIS 105 OR EDT 180 recommended) | 3 | | |
| Literacy and Critical Inquiry (L) ( BLE 220 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) ( GCU 113 recommended) | 3 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | • Develop your research skills.<br>• Develop your professional skills. |
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| History Related Area Course | 3 | C | • Apply for an identity verified print (IVP) fingerprint clearance card. Your IVP fingerprint card will be needed prior to enrolling in Term 5 education courses and internship.<br>• Meet with a Mary Lou Fulton Teachers College advisor early in the semester to discuss education program requirements and submit a copy of your IVP fingerprint card.<br>• Explore an internship, IGLE international experience or ASU Study Abroad. |
| HST Upper Division Elective | 3 | C | |
| HST Elective | 3 | C | |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | • Successful completion of six credit hours of upper-division History coursework must be completed prior to taking HST 495.<br>• IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| Upper Division Non-U.S. Non-European History Course | 3 | C | |
| HST Upper Division Elective | 3 | C | |
| IAS 300: Career Strategies and Personal Resilience (L or SB) OR Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 495: Methods of Historical Inquiry (L) | 3 | C | • TEL 366 (recommended) provides additional classroom experience prior to the required internship and student teaching experiences during senior year. TEL 366 requires 45 hours in a 6-12th grade classroom over the semester. Reliable transportation is required to get to school sites in Terms 6-8.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| SED 494: Methods of Teaching History: Community Resources OR SED 480: Special Methods of Teaching Social Studies | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| Upper Division Non-U.S. Non-European History Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Elective ( TEL 366 recommended) | 1 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 332: Disciplinary Literacy Methods | 3 | C | • All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.<br>• TEL 477 is a required internship, which allows you to work alongside a mentor teacher in a 6-12th grade classroom for a total of 75 hours. Reliable transportation is required to get to school site.<br>• Gather professional references. |
| ★ TEL 477: Internship: Advanced | 2 | C | |
| ★ HST Upper Division Elective | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Elective ( TEL 340 recommended) | 3 | | |
| ★ Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 471: Professional Educator Series: The Principled Educator | 1 | | • Your student teaching residency requires a full-time commitment in a 6-12th grade classroom for the semester. Reliable transportation is required to get to school site.<br>• Students seeking teacher certification must pass required educator exams. Speak to your education advisor to plan appropriately.<br>• Apply for full-time employment opportunities. |
| TEL 488: Student Teaching | 11 | C | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

- 
  - Students must select two courses from one of the three lower division history survey tracks: U.S.History, Global History, or European History/Western Civilization.
  - Students must complete 12 credit hours of upper-division history courses offered by the New College of Interdisciplinary Arts and Sciences.

Hide Course List(s)/Track Group(s)

| Two Semester History Survey: U.S. History | Two Semester History Survey: Global History | Two Semester History Survey: European History/Western Civilization |
|---|---|---|
| HST 109: United States to 1865 ((HU or SB) & H) | HST 100: Global History to 1500 (HU & H & G) | HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H) |
| HST 110: United States Since 1865 (SB & H) | HST 101: Global History Since 1500 (HU & H & G) | HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H) |
| | | HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H) |

| Non-US/Non-European History Courses | History Related Area Courses |
|---|---|
| HST 375: Colonial Latin America (SB & H) | AMS Elective |
| HST 376: Modern Latin America (SB & G & H) | ENG Elective |
| | ETH Elective |

| | |
|---|---|
| HST 394: The Empire of Cyrus the Great of Persia | HRC Elective |
| HST 404: Conquest and Encounters in Colonial Latin America (L & G) | HST Elective |
| HST 430: The Ottoman Empire in the Classical Period | JHR Elective |
| HST 441: Latin America and the World Economy (L & G & H) | LAS Elective |
| HST 454: History of Genocide (G & H) | PAX Elective |
| | PHI Elective |
| | REL Elective |
| | SPA Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Interdisciplinary Arts and Performance, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASIAPBA

**Accelerated options for this program are not currently available to ASU Online students.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Community and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| IAP 103: Foundations I: Interdisciplinary Art Practice | 3 | C | |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Historical Awareness (H) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU) | 3 | C | • Develop your research skills. Discuss with a faculty member.<br>• Develop your professional skills. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) | 3 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP 361: Digital Editing and Media Literacy (CS) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Consult your academic advisor in selecting IAP Electives. Some IAP courses do not apply.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| *Complete 2 courses:*<br>IAP Upper Division Elective | 6 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP 325: Sound Performance: Exploring Alternative Performance Groups | 3 | C | • Consult your academic advisor in selecting IAP Electives. Some IAP courses may not apply.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| IAP 354: Visual Representation | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| IAP Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP 375: Contemporary Performance: Theories and Practice | 3 | C | • Consult your academic advisor in selecting IAP Electives. Some IAP courses may not apply.<br>• Gather professional references. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in | | | |

| | | |
|---|---|---|
| addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C |
| *Complete 2 courses:*<br>IAP Upper Division Elective | 6 | C |
| Elective | 3 | |
| Term hours subtotal: | 15 | |

| **Term 8 108 - 120 Credit Hours Necessary course signified by** ★ | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ IAP 480: Art as Praxis: From Conceptualization to Production | 3 | C | • Consult your academic advisor in selecting IAP Electives. Some IAP courses may not apply.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>IAP 4** Elective | 6 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Interdisciplinary Arts and Performance, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online, ASU Local
ASIAPBA

**Accelerated options for this program are not currently available to ASU Online students.**

| **Term 1 - A 0 - 7 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| IAP 103: Foundations I: Interdisciplinary Art Practice | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 fulfills this requirement.<br>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| **Term 1 - B 7 - 13 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Historical Awareness (H) | 3 | | • View ASU Online first-year student registration information here. |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 2 - A 13 - 19 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 2 - B 19 - 25 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Create a first draft resume. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| **Term 3 - A 25 - 32 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Build your professional skills. |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Global Awareness (G) | 3 | | • Develop your skills. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU) | 3 | C | • Explore an internship, IGLE international experience or ASU Study Abroad. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP 325: Sound Performance: Exploring Alternative Performance Groups | 3 | C | • Create your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP 361: Digital Editing and Media Literacy (CS) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAP Upper Division Elective | 3 | C | • Consult your academic advisor in selecting IAP Electives. Some IAP courses may not apply. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have | | | |

| | | | |
|---|---|---|---|
| a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | • Thinking about graduate school? Consider registering for a graduate school test prep course. |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| **Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ IAP 354: Visual Representation | 3 | C | • Create your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ IAP Upper Division Elective | 3 | C | • Consult your academic advisor in selecting IAP Electives. Some IAP courses may not apply. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ *Complete 2 courses:* IAP Upper Division Elective | 6 | C | • Consult your academic advisor in selecting IAP Electives. Some IAP courses may not apply.<br>• Use Handshake to research employment opportunities. |
| Term hours subtotal: | 6 | | |

| **Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ IAP 375: Contemporary Performance: Theories and Practice | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ IAP Upper Division Elective | 3 | C | • Consult your academic advisor in selecting IAP Electives. Some IAP courses may not apply.<br>• Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ IAP 4** Elective | 3 | C | |

| | | |
|---|---|---|
| Elective | 3 | • Consult your academic advisor in selecting IAP Electives. Some IAP courses may not apply.<br>• Gather professional references. |
| Term hours subtotal: | 6 | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IAP 480: Art as Praxis: From Conceptualization to Production | 3 | C | • Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IAP 4** Elective | 3 | C | • Consult your academic advisor in selecting IAP Electives. Some IAP courses may not apply. |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Interdisciplinary Arts and Sciences, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASIASBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (3 credit hours) is required of transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • For the Area of Concentration courses starting in Term 3, work with an advisor to select a minor available at ASU or construct an individualized area of concentration with a coherent theme or purpose.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Area of Concentration Course | 3 | C | • Area of Concentration courses are chosen in consultation with an academic advisor.<br>• Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Area of Concentration Course | 3 | C | • Area of Concentration courses are chosen in consultation with an academic advisor.<br>• Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | C | • Area of Concentration courses are chosen in consultation with an academic advisor.<br>• Students will need to complete one course from three out of the four interdisciplinary tracks.<br>• IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence . |
| Upper Division Interdisciplinary Track | 3 | C | |
| *Complete 2 courses:*<br>Area of Concentration Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Area of Concentration Course | 3 | C | • Area of Concentration courses are chosen in consultation with an academic advisor.<br>• Students will need to complete one course from three out of the four interdisciplinary tracks.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Interdisciplinary Track | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Area of Concentration Course | 6 | C | • Area of Concentration courses are chosen in consultation with an academic advisor.<br>• Students will need to complete one course from three out of the four interdisciplinary tracks.<br>• Gather professional references. |
| Upper Division Interdisciplinary Track | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ Upper Division Area of Concentration Course | 3 | C | • Students will need to complete one course from three out of the four interdisciplinary tracks.<br>• Apply for full-time career opportunities. |
| ★ Upper Division Capstone | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- Working with an advisor, choose an Area of Concentration by selecting a minor offered by ASU as a foundation, or construct an individualized concentration with a coherent theme or purpose of 24 credit hours (minimum 12 upper-division credit hours).
- Courses used to fulfill major requirements cannot also be used to fulfill Area of Concentration requirements.
- Choose and complete one course from three out of four program tracks for a total of 9 credit hours: Diverse Perspectives; Critical Inquiry; Experimentation and the Creative Process; Culture, Society and Power.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Track: Diverse Perspectives | Interdisciplinary Track: Critical Inquiry | Interdisciplinary Track: Experimentation and the Creative Process |
|---|---|---|
| AMS 380: Race, Gender, and Class (SB & C) or ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C) | AMS 330: American Lives (HU & C) | AMS 420: Theatre in America (HU) or IAP 420: Theatre in America (HU) or THE 420: Theatre in America (HU) |
| ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) | AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) or ETH 428: Peoples and Cultures of the American West, to 1848 (SB & H) or LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) | COM 335: Acting for the Camera or IAP 335: Acting for the Camera |
| ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) | ENG 401: Topics in Critical Theory | COM 339: Creating Dramatic Works: Page to Stage to Screen or ENG 339: Creating Dramatic Works: Page to Stage to Screen or IAP 339: Creating Dramatic Works: Page to Stage to Screen |
| ENG 364: Women and Literature (HU) | HRC 310: Social and Cultural Analysis: Method and Theory (C) | ENG 311: Persuasive Writing (L) |
| ENG 461: Studies in Women and Literature | HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) | ENG 317: Cross-Cultural Writing ((L or HU) & G) |
| ENG 462: Africana Literature (HU & G) | HST 419: 20th Century Chicano/a History (C) or LAS 419: 20th Century Chicano/a History (C) | ENG 394: Oral History & Storytelling in Humanities & Arts |
| ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C) | IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU) | ENG 410: Writing for Publication |
| HST 375: Colonial Latin America (SB & H) or LAS 375: Colonial Latin America (SB & H) | IAS 410: Evolution of Ideas (L or HU) | ENG 433: Literary Magazine Publishing: Canyon Voices |
| | IAS 430: Science and Religion (L or HU) | ENG 457: Studies in American Poetry (HU) |
| | PHI 304: Existentialism (HU) | ENG 476: Folklore in Everyday Life |

HST 376: Modern Latin America (SB & G & H) or LAS 376: Modern Latin America (SB & G & H)

IAP 462: Games and Play

LAS 340: Latin American Women Writers (HU & G) or WST 341: Latin American Women Writers (HU & G)

LAS 351: Cityscapes: Urban Mexican Literature and Culture

LAS 355: Contemporary Mexican Cinema: Changing Cartographies

REL 310: Western Religious Traditions (HU & H)

REL 321: Religion in America ((L or HU) & C & H)

REL 345: Asian Religious Traditions (HU & G)

REL 390: Women, Gender and Religion (HU & G) or WST 390: Women, Gender and Religion (HU & G)

WST 444: Gender, Health, and Bodies (SB)

PHI 306: Applied Ethics (HU)

PHI 318: Philosophy of Religion (HU)

PHI 411: Continental Philosophy (HU)

PHI 412: Philosophy and Literary Criticism (HU)

WST 333: Critical Perspectives on Sexuality (SB & C)

WST 376: Feminist Theory (H & C)

IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU)

IAP 362: Games and Narratology

IAP 366: 3D Modeling and Media Literacy

IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)

PHI 339: Philosophy of Art (HU)

Interdisciplinary Track: Culture, Society, and Power

AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)

AMS 450: Latina/os, Schooling and Social Inequality (C) or ETH 450: Latina/os, Schooling and Social Inequality (C) or LAS 450: Latina/os, Schooling and Social Inequality (C)

AMS 469: Abject Bodies and the Politics of Trash (SB & C) or ETH 469: Abject Bodies and the Politics of Trash (SB & C) or WST 469: Abject Bodies and the Politics of Trash (SB & C)

ENG 472: Rhetorical Studies

ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G)

ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements

HST 350: Later Middle Ages ((HU or SB) & H)

Capstone

HON 493: Honors Thesis (L) or IAS 493: Honors Thesis (L)

HRC 480: Capstone: Practices and Approaches (L)

IAS 480: Capstone: Practices and Approaches

IAS 484: IAS Internship

HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)

HST 439: Athenian Democracy (H)

HST 441: Latin America and the World Economy (L & G & H) or LAS 441: Latin America and the World Economy (L & G & H)

HST 454: History of Genocide (G & H)

IAP 394: Print and the Protest

IAP 464: Media and Diversity (HU & G)

IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)

IAS 417: Philosophy of Censorship (L or HU) or PHI 417: Philosophy of Censorship (L or HU)

LAS 350: The Construction of a Nation: Chile in the 20th/21st Century

LAS 449: Latin American Cinema: The Dead and the Disappeared (G & H)

LAS 471: Treaties and Cultural Production in Spain and the Americas

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) or SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)

PHI 360: Business and Professional Ethics (HU)

PHI 439: Philosophy of Love and Sex (HU)

WST 457: Women, Cultures, and Societies (SB & G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Latin American Studies, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASLASBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Historical Awareness (H) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAS 205: Deep Roots: Latin America (HU & G) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| LAS 206: Locating Latin America:Interdisciplinary Methods | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| LAS 330: From the Inside: The Latin American Journey (HU) | 3 | C | • The course taken to fulfill the Upper Division Social and Cultural Representation requirement cannot also be used to fulfill the Upper Division Latin American Studies Elective requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Latin American Studies Elective | 3 | C | |
| Upper Division Social and Cultural Representation Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 78 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Latin American Studies Elective | 6 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 93 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Latin American Studies Elective | 6 | C | • Gather professional references. |
| Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LAS 484: Internship OR LAS 485: Latin American Studies Capstone OR LAS 493: Honors Thesis (L) OR LAS 499: Individualized Instruction | 3 | C | • Apply for full-time employment opportunities. |
| Upper Division Latin American Studies Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Latin American Studies Electives | Upper Division Social and Cultural Representation Elective |
|---|---|
| AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) or ETH 428: Peoples and Cultures of the American West, to 1848 (SB & H) or LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) | FOR 449: Latin American Cinema: The Dead and the Disappeared (G & H) or LAS 449: Latin American Cinema: The Dead and the Disappeared (G & H) or SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) |
| AMS 450: Latina/os, Schooling and Social Inequality (C) or ETH 450: Latina/os, Schooling and Social Inequality (C) or LAS 450: Latina/os, Schooling and Social Inequality (C) | JUS 475: Law, Societies and Justice in Latino-America (SB & G) or SPA 470: Law, Societies and Justice in Latino-America (SB & G) |
| ASB 342: Mexico-U.S. Borderlands (SB & C) or SBS 342: Mexico-U.S. Borderlands (SB & C) or SOC 342: Mexico-U.S. Borderlands (SB & C) | LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) |
| ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) or TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) | LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) or SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) |
| ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G) | |
| ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C) | |
| FMS 475: Latin American Film ((L or HU) & G) | |
| GCU 323: Geography of Latin America (SB & G) | |
| HST 305: Studies in Latin American History | |

HST 324: Food in Latin America (SB & G & H) or LAS 324: Food in Latin America (SB & G & H)

HST 404: Conquest and Encounters in Colonial Latin America (L & G) or LAS 404: Conquest and Encounters in Colonial Latin America (L & G)

HST 438: Modern Spain ((HU or SB) & G & H)

HST 441: Latin America and the World Economy (L & G & H)

HST 443: The United States and Latin America (SB & G & H)

HST 444: Latin American Independence ((L or HU) & G)

HST 447: Modern Mexico (SB & H)

JHR 378: Poverty, Inequality and Social Justice in Latin America or HST 378: Poverty, Inequality and Social Justice in Latin America or LAS 378: Poverty, Inequality and Social Justice in Latin America

JHR 394: Human Rights in the Global South

JHR 494: Political Representation in Latin America

LAS 340: Latin American Women Writers (HU & G) or WST 341: Latin American Women Writers (HU & G)

LAS 350: The Construction of a Nation: Chile in the 20th/21st Century

LAS 351: Cityscapes: Urban Mexican Literature and Culture

LAS 355: Contemporary Mexican Cinema: Changing Cartographies

LAS 375: Colonial Latin America (SB & H) or HST 375: Colonial Latin America (SB & H)

LAS 376: Modern Latin America (SB & G & H) or HST 376: Modern Latin America (SB & G & H)

LAS 394: Special Topics or POR 394: Special Topics or SPA 394: Special Topics

LAS 419: 20th Century Chicano/a History (C) or HST 419: 20th Century Chicano/a History (C)

LAS 449: Latin American Cinema: The Dead and the Disappeared (G & H) or SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H)

LAS 471: Treaties and Cultural Production in Spain and the Americas

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) or SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)

LAS 494: Special Topics or POR 494: Special Topics or SPA 494: Special Topics

POS 453: Latin America (SB & G)

POS 454: Mexico (SB & G)

POS 456: Latin American Cities (SB & G)

POR 460: Brazilian Society Through Music (HU & G)

SPA 325: Introduction to Hispanic Literature (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)

SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

SPA 456: 20th-Century Spanish American Fiction

SPA 459: Latin American Jewish Culture

SPA 470: Law, Societies and Justice in Latino-America (SB & G) or JUS 475: Law, Societies and Justice in Latino-America (SB & G)

SPA 472: Latin American Society: Five Case Studies (HU & H & G)

SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Pharmacology and Toxicology, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASPTXBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • MAT 210 or higher-level MA accepted. MAT 251 recommended. Students considering graduate school or research may consider the MAT 270 and MAT 271 calculus sequence as an alternative. This may require more than 120 credit hours to complete the degree.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |

| | | | |
|---|---|---|---|
| Complete CHM 113, CHM 116 course(s). | | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 15 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | |
| CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory | 4 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| PTX 301: Basics of Pharmacology and Toxicology | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory | 4 | C | • A total of four credit hours of PTX 499 may be applied to the Upper Division Pharmacology/Toxicology Elective requirement.<br>• A total of three credit hours of PTX 484 or PTX 493 may be applied to the Upper Division Pharmacology/Toxicology Elective requirement.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Pharmacology and Toxicology Elective | 3-5 | C | |
| Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) ( ASB 353 OR SOC 353 recommended) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 13-15 | | |

| Term 7 89 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory | 4 | C | • A total of four credit hours of PTX 499 may be applied to the Upper Division Pharmacology/Toxicology Elective requirement.<br>• A total of three credit hours of PTX 484 or PTX 493 may be applied to the Upper Division Pharmacology/Toxicology Elective requirement.<br>• Gather professional references. |
| PTX 432: Fundamentals of Pharmacology | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language | 3 | C | |

| | | |
|---|---|---|
| or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | | |
| Upper Division Pharmacology and Toxicology Elective | 4 | C |
| Elective | 1 | |
| Term hours subtotal: | 15 | |

| Term 8 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PTX 450: Pharmacology and Toxicology Laboratory | 1 | C | • General elective credit hours will be adjusted depending on the Pharmacology/Toxicology electives selected. Discuss with your advisor.<br>• Apply for full-time career opportunities. |
| PTX 475: Principles of Toxicology | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 4-2 | | |
| Elective | 2 | | |
| Term hours subtotal: | 16-14 | | |

Hide Course List(s)/Track Group(s)

Upper Division Pharamacology and Toxicology Elective

- BIO 439: Computing for Research
- CHM 302: Environmental Chemistry
- CHM 435: Medicinal Chemistry
- FOR 401: Forensic Toxicology
- LSC 425: Analytical Chemistry for Life Sciences AND LSC 426: Analytical Chemistry for Life Sciences Lab
- LSC 430: Environmental and Human Toxicology
- MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory
- PSY 470: Psychopharmacology
- PTX 388: STEM Research Fundamentals
- PTX 484: Internship or PTX 493: Honors Thesis (L)
- PTX 494: Mechanisms of Pathophysiology and Disease States
- PTX 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Philosophy, Religion and Society, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASRELBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 101: Introduction to Philosophy (HU) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.<br>• Select Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| REL 100: Religions of the World (HU & G) | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Related Area Electives: Complete two courses (6 credits) from any of the following subjects: AMS, DST, ENG, ETH, HRC, HST, IAP, IAS, JHR, LAS, PAX, PHI, REL, SPA, or WST, and offered by the School of Humanities, Arts and Cultural Studies.<br>• Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 306: Applied Ethics (HU) OR IAS 406: Moral Dilemmas (L or HU) OR PHI 406: Moral Dilemmas (L or HU) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Applied Ethics Track Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division World Religions Track Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 304: Existentialism (HU) OR PHI 412: Philosophy and Literary Criticism (HU) | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division World Religions Track Course | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 303: The Future of Religions (L or HU) OR REL 300: The Future of Religions (L or HU) OR PHI 318: Philosophy of Religion (HU) | 3 | C | • Gather professional references. |
| Upper Division Applied Ethics Track Course | 3 | C | |
| Upper Division Race, Decoloniality, & Continental Philosophy Track Course | 3 | C | |

| | | |
|---|---|---|
| Related Area Course | 3 | C |
| Elective | 3 | |
| Term hours subtotal: | 15 | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ Upper Division Culminating Experience | 3 | C |
| Upper Division Race, Decoloniality, & Continental Philosophy Track Course | 3 | C |
| *Complete 2 courses:* Upper Division Elective | 6 | |
| Term hours subtotal: | 12 | |

**Notes**

- Related Area Electives: Complete two courses (6 credits) from any of the following subjects: AMS, DST, ENG, ETH, HRC, HST, IAP, IAS, JHR, LAS, PAX, PHI, REL, SPA, or WST, and offered by the School of Humanities, Arts and Cultural Studies.
- Apply for full-time career opportunities.

Upper Division Tracks: Choose two courses (6 credit hours) from each of the three tracks, Applied Ethics; Race, Decoloniality, & Continental Philosophy; and World Religions. Courses taken elsewhere for the major cannot be used to also fulfill the track requirements.
Related Area Electives: Complete two courses (6 credits) from any of the following subject areas: AMS, DST, ENG, ETH, HRC, HST, IAP, IAS, JHR, LAS, PAX, PHI, REL, SPA, or WST, and offered by the School of Humanities, Arts and Cultural Studies (SHArCS).To determine if a course is offered by SHArCS: Locate the class in Class Search, expand the course information and click on Full Class Details.

Hide Course List(s)/Track Group(s)

| Applied Ethics Track | Race, Decoloniality, & Continental Philosophy Track | World Religions Track |
|---|---|---|
| IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU) | AIS 320: American Indian Philosophies and World Views (HU & C) | IAS 410: Evolution of Ideas (L or HU) |
| IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) | ENG 401: Topics in Critical Theory | IAS 430: Science and Religion (L or HU) |
| IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU) | HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy | PHI 303: The Future of Religions (L or HU) or REL 300: The Future of Religions (L or HU) |
| IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) | IAS 450: Philosophical and Spiritual Issues in Death and Dying or PHI 450: Philosophical and Spiritual Issues in Death and Dying or REL 450: Philosophical and Spiritual Issues in Death and Dying | PHI 318: Philosophy of Religion (HU) |
| PHI 306: Applied Ethics (HU) | PHI 304: Existentialism (HU) | PHI 421: Philosophical Topics |
| PHI 336: Social and Political Philosophy (HU) | PHI 339: Philosophy of Art (HU) | REL 310: Western Religious Traditions (HU & H) |
| PHI 360: Business and Professional Ethics (HU) | PHI 411: Continental Philosophy (HU) | REL 321: Religion in America ((L or HU) & C & H) |
| PHI 408: Feminist Ethics (HU) | PHI 412: Philosophy and Literary Criticism (HU) | REL 345: Asian Religious Traditions (HU & G) |
| PHI 415: Philosophy and Film (HU) | PHI 421: Philosophical Topics | REL 390: Women, Gender and Religion (HU & G) or WST 390: Women, Gender and Religion (HU & G) |
| PHI 417: Philosophy of Censorship (L or HU) | REL 345: Asian Religious Traditions (HU & G) | |
| PHI 421: Philosophical Topics | REL 391: Historical Perspectives on Philosophy and Religion | |
| PHI 439: Philosophy of Love and Sex (HU) | | |

| Related Area Course | Culminating Experience |
| --- | --- |
| AMS Elective | HON 493: Honors Thesis (L) or IAS 493: Honors Thesis (L) or PHI 493: Honors Thesis (L) |
| DST Elective | IAS 480: Capstone: Practices and Approaches |
| ENG Elective | IAS 484: IAS Internship |
| ETH Elective | |
| HRC Elective | |
| HST Elective | |
| IAP Elective | |
| IAS Elective | |
| JHR Elective | |
| LAS Elective | |
| PAX Elective | |
| PHI Elective | |
| REL Elective | |
| SPA Elective | |
| WST Elective | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Political Science, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West, ASU at Lake Havasu
ASPOLBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.<br>• Students must complete 9 credit hours of Political Science Introductory Core coursework from POS 110/310, POS 150, POS 160/360, or POS 210.<br>• Credit is only granted for POS 110 or POS 310.<br>• Credit is only granted for POS 160 or POS 360.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB) | 3 | C | • Student must complete 9 credit hours of Political Science Introductory Core coursework from POS 110/310, POS 150, POS 160/360, or POS 210.<br>• Credit is only granted for POS 110 or POS 310.<br>• Credit is only granted for POS 160 or POS 360.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB) | 3 | C | • Students must complete 9 credit hours of Political Science Introductory Core coursework from POS 110/310, POS 150, POS 160/360, or POS 210.<br>• Credit is only granted for POS 110 or POS 310.<br>• Credit is only granted for POS 160 or POS 360.<br>• Develop your research skills.<br>• Develop your professional skills. |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| **Term 4 47 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Social Justice and Inequality Interdisciplinary Track Course | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SBS 302: Qualitative Methods OR SBS 304: Social Statistics I (CS) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 78 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SBS 302: Qualitative Methods OR SBS 304: Social Statistics I (CS) | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Identity and Place Interdisciplinary Track Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Social Justice and Inequality Interdisciplinary Track Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |

| | | | |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| | Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Identity and Place Interdisciplinary Track Course | 3 | C | • Gather professional references. |
| ★ Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POS 484: Internship OR POS 498: Pro-Seminar (L) or SBS 498: Pro-Seminar (L) | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Interdisciplinary Tracks:
Select two classes (6 credit hours) from each of three interdisciplinary tracks (Social Justice and Inequality; Law, Citizenship, Borders; Identity and Place) for a total of 18 credit hours. Twelve credit hours must be upper-division. A minimum of six credit hours must come from the POS prefix. No single course can be used to fulfill multiple track requirements.

Hide Course List(s)/Track Group(s)

| Law, Citizenship, Borders | Social Justice and Inequality | Identity and Place |
|---|---|---|
| ASB 340: Migration and Culture (SB & G) or SOC 328: Migration and Culture (SB & G) | ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB) | ASB 211: Women in Other Cultures ((HU or SB) & G) |
| ASB 447: Citizenship, Nationalism and Identity (SB & C & G) or POS 447: Citizenship, Nationalism and Identity (SB & C & G) or SBS 447: Citizenship, Nationalism and Identity (SB & C & G) | ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C) | ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G) |
| POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) | HST 441: Latin America and the World Economy (L & G & H) or LAS 441: Latin America and the World Economy (L & G & H) | ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements |
| POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) | JHR 100: Introduction to Social Justice and Human Rights (SB & G) | ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C) |
| POS 210: Political Ideologies (SB) | JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) | HST 376: Modern Latin America (SB & G & H) or LAS 376: Modern Latin America (SB & G & H) |
| POS 361: American Foreign Policy (SB & G) | POS 342: Political Theory (HU or SB) | POS 150: Comparative Government (SB & G) |
| POS 446: Democracy (HU) | POS 446: Democracy (HU) | |
| POS 465: International Organization and Law (SB & G) | | |

| | | |
|---|---|---|
| POS 480: Global Justice (G) or SBS 480: Global Justice (G) | POS 480: Global Justice (G) or SBS 480: Global Justice (G) | POS 247: Introduction to Latin American Politics (SB & G) |
| | POS 494: Everyday Forms of Political Resistance | POS 350: Comparative Politics (SB & G) |
| | SBS 301: Cultural Diversity ((L or SB) & C) | POS 357: South Asia Politics (SB & G) |
| | SOC 270: Sociology of Race and Ethnicity (SB & C) | POS 361: American Foreign Policy (SB & G) |
| | SOC 331: Environmental Sociology (SB & G) | POS 437: Women, Power, and Politics (G) or SOC 437: Women, Power, and Politics (G) |
| | SOC 352: Social Change (SB & G & H) | SOC 264: Sociology of Gender (SB & C) |
| | SOC 426: Social Inequalities (SB) | SOC 270: Sociology of Race and Ethnicity (SB & C) |
| | | WST 428: Gender, Madness and Justice (SB) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Political Science, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASPOLBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.<br>• Students must complete 9 credit hours of Political Science Introductory Core coursework from POS 110/310, POS 150, POS 160/360, or POS 210.<br>• Credit is only granted for POS 110 or POS 310.<br>• Credit is only granted for POS 160 or POS 360.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB) | 3 | C | • Students must complete 9 credit hours of Political Science Introductory Core coursework from POS 110/310, POS 150, POS 160/360, or POS 210.<br>• Credit is only granted for POS 110 or POS 310.<br>• Credit is only granted for POS 160 or POS 360.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB) | 3 | C | • Students must complete 9 credit hours of Political Science Introductory Core coursework from POS 110/310, POS 150, POS 160/360, or POS 210.<br>• Credit is only granted for POS 110 or POS 310.<br>• Credit is only granted for POS 160 or POS 360.<br>• Develop your research skills.<br>• Develop your professional skills. |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| **Term 4 47 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Social Justice and Inequality Interdisciplinary Track Course | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 78 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS) | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Social Justice and Inequality Interdisciplinary Track Course | 3 | C | |
| Identity and Place Interdisciplinary Track Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |

| | | | |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| | Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Identity and Place Interdisciplinary Track Course | 3 | C | • Gather professional references. |
| ★ Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POS 484: Internship OR POS 498: Pro-Seminar (L) or SBS 498: Pro-Seminar (L) | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Interdisciplinary Tracks:
Select two classes (6 credit hours) from each of three interdisciplinary tracks (Social Justice and Inequality; Law, Citizenship, Borders; Identity and Place) for a total of 18 credit hours. Twelve credit hours must be upper-division. A minimum of six credit hours must come from the POS prefix. No single course can be used to fulfill multiple track requirements.

Hide Course List(s)/Track Group(s)

| Law, Citizenship, Borders | Social Justice and Inequality | Identity and Place |
|---|---|---|
| ASB 340: Migration and Culture (SB & G) or SOC 328: Migration and Culture (SB & G) | ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB) | ASB 211: Women in Other Cultures ((HU or SB) & G) |
| ASB 447: Citizenship, Nationalism and Identity (SB & C & G) or POS 447: Citizenship, Nationalism and Identity (SB & C & G) or SBS 447: Citizenship, Nationalism and Identity (SB & C & G) | ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C) | ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G) |
| POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) | HST 441: Latin America and the World Economy (L & G & H) or LAS 441: Latin America and the World Economy (L & G & H) | ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements |
| POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) | JHR 100: Introduction to Social Justice and Human Rights (SB & G) | ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C) |
| POS 210: Political Ideologies (SB) | JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) | HST 376: Modern Latin America (SB & G & H) or LAS 376: Modern Latin America (SB & G & H) |
| POS 361: American Foreign Policy (SB & G) | POS 342: Political Theory (HU or SB) | POS 150: Comparative Government (SB & G) |
| POS 446: Democracy (HU) | POS 446: Democracy (HU) | |
| POS 465: International Organization and Law (SB & G) | | |

| | | |
|---|---|---|
| POS 480: Global Justice (G) or SBS 480: Global Justice (G) | POS 480: Global Justice (G) or SBS 480: Global Justice (G) | POS 247: Introduction to Latin American Politics (SB & G) |
| | POS 494: Everyday Forms of Political Resistance | POS 350: Comparative Politics (SB & G) |
| | SBS 301: Cultural Diversity ((L or SB) & C) | POS 357: South Asia Politics (SB & G) |
| | SOC 270: Sociology of Race and Ethnicity (SB & C) | POS 361: American Foreign Policy (SB & G) |
| | SOC 331: Environmental Sociology (SB & G) | POS 437: Women, Power, and Politics (G) or SOC 437: Women, Power, and Politics (G) |
| | SOC 352: Social Change (SB & G & H) | SOC 264: Sociology of Gender (SB & C) |
| | SOC 426: Social Inequalities (SB) | SOC 270: Sociology of Race and Ethnicity (SB & C) |
| | | WST 428: Gender, Madness and Justice (SB) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West, ASU at Lake Havasu
ASPGSBA

**Available accelerated bachelor's/master's degree program options may vary by modality (online vs. on-campus). Students should contact their academic advisor for more information.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • Students may elect to take an MA course in place of elective in Term 1 if needed to prepare for MAT 119 or MAT 170 in Term 2.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | • Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Coursework Elective | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • Develop your research skills. |

| | | | |
|---|---|---|---|
| Historical Awareness (H) | 3 | | • Develop your professional skills. |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| **Term 4 47 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • PSY 290 may be used to fulfill the General Studies Natural Science (SG) requirement.<br>• Explore an internship, an IGLE international experience or ASU Study Abroad. |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Cognitive Science Focus Area Course | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Related Coursework Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 78 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Cognitive Science Focus Area Course | 3 | C | • Psychology Elective must be taken from the course lists below.<br>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Use Handshake to research employment opportunities. |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Psychology Elective | 3 | C | |

| | | | |
|---|---|---|---|
| Related Coursework Elective | 3 | C | • Complete an in person or virtual practice interview. |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Psychology Elective | 6 | C | • Upper Division Psychology Electives must be taken from the course lists below.<br>• PSY 304 Effective Thinking (L) can be used to meet the Upper Division General Studies Literacy and Critical Inquiry (L) requirement as well as the Upper Division Psychology Elective requirement.<br>• Gather professional references. |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Psychology Elective | 6 | C | • Upper Division Psychology Electives must be taken from the course lists below.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- Courses used to fulfill the Upper Division Psychology Elective requirement may not be used to fulfill multiple psychology major requirements. No more than three credit hours of PSY 384, 399, 484, 493, 499 may count toward the Upper Division Psychology Elective requirement.

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area | Psychology Electives | Related Coursework Electives |
|---|---|---|
| PSY 320: Learning and Motivation | PSY 2** Elective | ASB Elective |
| PSY 323: Sensation and Perception | PSY 211: The Criminal Mind (SB) | ASM Elective |
| PSY 324: Memory and Cognition | PSY 3** Elective | COM Elective |
| PSY 325: Physiological Psychology | PSY 304: Effective Thinking (L) | JHR Elective |
| PSY 360: Cognitive Science | PSY 306: Environmental Psychology (SB) | POS Elective |
| PSY 369: Biology of Human Sexuality | PSY 315: Personality Theory and Research (SB) | PSY Elective |
| PSY 434: Cognitive Psychology (L) | PSY 320: Learning and Motivation | SBS Elective |
| PSY 470: Psychopharmacology | PSY 323: Sensation and Perception | SOC Elective |
| | PSY 324: Memory and Cognition | |
| | PSY 325: Physiological Psychology | |
| | PSY 335: Positive Psychology | |
| | PSY 338: Emotional Intelligence | |

PSY 340: Psychology of Academic Motivation and Growth

PSY 341: Developmental Psychology (SB)

PSY 344: Directed Child Study (SB)

PSY 350: Social Psychology (SB)

PSY 360: Cognitive Science

PSY 366: Psychological Disorders (SB)

PSY 368: Forensic Psychology

PSY 369: Biology of Human Sexuality

PSY 370: Interpersonal Relationships (SB)

PSY 384: Psychology Undergraduate Teaching Assistant

PSY 385: Psychology of Gender (SB)

PSY 394: Childhood Trauma and Resilience

PSY 394: Psychology of Love and Intimacy

PSY 394: Social Psychology of Cults

PSY 394: Special Topics

PSY 399: Supervised Research

PSY 4** Elective

PSY 425: Biological Bases of Behavior (L)

PSY 434: Cognitive Psychology (L)

PSY 443: Child and Adolescent Psychological Disorders (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 453: Organizational Behavior (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 467: Psychology of Criminal Investigation

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 472: Clinical Psychology

PSY 474: Correctional Psychology

PSY 475: Multicultural Issues in Clinical Psychology

PSY 484: Internship

PSY 493: Honors Thesis (L)

PSY 494: Behavioral Data Science I

PSY 494: Optimal Psych: Multicultural Worldviews-Liberation

PSY 494: Special Topics

PSY 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online, ASU Local
ASPGSBA

**Available accelerated bachelor's/master's degree program options may vary by modality (online vs. on-campus). Students should contact their academic advisor for more information.**

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 meets this requirement.<br>• SBS 300 (3 credits) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students may elect to take an MA course in Term 1-B if needed to prepare for MAT 119 or MAT 170 in Term 2-A.<br>• View ASU Online first-year student registration information here. |
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Related Coursework Elective | 3 | C | • Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Create a first draft resume. |
| Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | • Build your professional skills. |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • PSY 230 may not be used to fulfill the Interdisciplinary Computer Science requirement in the major. ACO 100, CIS 105, CSE 180 or EDT 180 are required. |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • PSY 290 may be used to fulfill the General Studies Natural Science (SG) requirement.<br>• Explore an IGLE international experience or ASU Study Abroad. |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective OR SBS 300: Careers in Psychology | 3 | | • SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Cognitive Science Focus Area Course | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have | | | |

| | | | |
|---|---|---|---|
| a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | General Studies Awareness Areas (C) and (G) requirements. |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Psychology Elective | 3 | C | • Choose Psychology Elective from the course list below.<br>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Psychology Elective | 3 | C | • Choose Upper Division Psychology Elective from the course list below.<br>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Thinking about graduate school? Consider registering for a graduate school test prep course. |
| Related Coursework Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Coursework Elective | 3 | C | • Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Create your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Cognitive Science Focus Area Course | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | • Gather professional references. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Psychology Elective | 3 | C | • Choose Upper Division Psychology Elective from the course list below.<br>• Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Psychology Elective | 3 | C | • Choose Upper Division Psychology Elective from the course list below. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Psychology Elective | 3 | C | • Choose Upper Division Psychology Elective from the course list below. |
| Term hours subtotal: | 3 | | |

- Courses used to fulfill the Upper Division Psychology Elective requirement may not be used to fulfill multiple psychology major requirements. No more than 3 credit hours of PSY 384, PSY 399, PSY 484, PSY 493, or PSY 499 may count toward this requirement. PSY 492 is not accepted.

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area | Related Coursework Electives | Psychology Electives |
|---|---|---|
| PSY 320: Learning and Motivation | ASB Elective | PSY 2** Elective |
| PSY 323: Sensation and Perception | ASM Elective | PSY 211: The Criminal Mind (SB) |
| PSY 324: Memory and Cognition | COM Elective | PSY 3** Elective |
| PSY 360: Cognitive Science | JHR Elective | PSY 304: Effective Thinking (L) |
| PSY 434: Cognitive Psychology (L) | POS Elective | PSY 315: Personality Theory and Research (SB) |
| PSY 470: Psychopharmacology | PSY Elective | PSY 320: Learning and Motivation |
| | SBS Elective | PSY 323: Sensation and Perception |
| | SOC Elective | PSY 324: Memory and Cognition |
| | | PSY 335: Positive Psychology |
| | | PSY 338: Emotional Intelligence |
| | | PSY 340: Psychology of Academic Motivation and Growth |

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 360: Cognitive Science

PSY 366: Psychological Disorders (SB)

PSY 368: Forensic Psychology

PSY 370: Interpersonal Relationships (SB)

PSY 384: Psychology Undergraduate Teaching Assistant

PSY 385: Psychology of Gender (SB)

PSY 394: Childhood Trauma and Resilience

PSY 394: Psychology of Love and Intimacy

PSY 394: Social Psychology of Cults

PSY 399: Supervised Research

PSY 4** Elective

PSY 434: Cognitive Psychology (L)

PSY 443: Child and Adolescent Psychological Disorders (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 453: Organizational Behavior (SB)

PSY 462: Health Psychology

PSY 467: Psychology of Criminal Investigation

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 474: Correctional Psychology

PSY 484: Internship

PSY 493: Honors Thesis (L)

PSY 494: Behavioral Data Science I

PSY 494: Optimal Psych: Multicultural Worldviews-Liberation

PSY 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West, ASU at Lake Havasu
ASPGSBS

**Available accelerated bachelor's/master's degree program options may vary by modality (online vs. on-campus). Students should contact their academic advisor for more information.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • Students may elect to take an MA course in Term 1 to prepare for MAT 170 in Term 2.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 170: Precalculus (MA) | 3 | C | • Additional subjects may be used to fulfill Related Coursework requirement with academic advisor approval.<br>• Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Coursework Electives | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C |
| Historical Awareness (H) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| *Complete 2 courses:*<br>Elective | 6 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

- Develop your research skills.
- Develop your professional skills.

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

- Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.
- Explore an internship, an IGLE international experience or ASU Study Abroad.

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 330: Statistical Methods (CS) | 3 | C | |
| Upper Division Cognitive Science Focus Area Course | 3 | C | |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

- IAS 300 (3 credit hours) is required for all transfer students.
- Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.
- Thinking about graduate school? Consider registering for a grad school test prep course.
- Develop your professional online presence.

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Cognitive Science Focus Area Course | 3 | C | |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language | 3 | C | |

- Psychology Elective must be taken from the course lists below.
- Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.
- Use Handshake to research employment opportunities.

| | | | |
|---|---|---|---|
| | or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | | |
| | Psychology Elective | 3 | C |
| | Upper Division Elective | 3 | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| | Term hours subtotal: | 15 | |

- Complete an in person or virtual practice interview.

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Psychology Elective | 6 | C | • Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Upper Division Psychology Electives must be taken from the course lists below.<br>• PSY 304 Effective Thinking (L) can be used to meet the Upper Division General Studies Literacy and Critical Inquiry (L) requirement as well as the Upper Division Psychology Elective requirement.<br>• Gather professional references. |
| Life Science Lecture and Lab Course | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Psychology Elective | 6 | C | • Upper Division Psychology Electives must be taken from the course lists below.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- Courses used to fulfill the Psychology Elective requirement can only apply once in the major and may not be used to fulfill multiple psychology major requirements. No more than three credit hours of PSY 384, 399, 484, 493, or 499 may count toward the Upper Division Psychology Elective requirement.

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area | Related Coursework Electives | Life Science Lecture and Lab Course |
|---|---|---|
| PSY 320: Learning and Motivation | ASB Elective | BCH Elective |
| PSY 323: Sensation and Perception | ASM Elective | BIO Elective |
| PSY 324: Memory and Cognition | COM Elective | FOR Elective |
| PSY 325: Physiological Psychology | JHR Elective | LSC Elective |
| PSY 360: Cognitive Science | POS Elective | MIC Elective |
| PSY 369: Biology of Human Sexuality | PSY Elective | |
| PSY 434: Cognitive Psychology (L) | SBS Elective | |

PSY 470: Psychopharmacology

SOC Elective

Psychology Electives

PSY 2** Elective

PSY 211: The Criminal Mind (SB)

PSY 3** Elective

PSY 304: Effective Thinking (L)

PSY 306: Environmental Psychology (SB)

PSY 315: Personality Theory and Research (SB)

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 335: Positive Psychology

PSY 338: Emotional Intelligence

PSY 340: Psychology of Academic Motivation and Growth

PSY 341: Developmental Psychology (SB)

PSY 344: Directed Child Study (SB)

PSY 350: Social Psychology (SB)

PSY 360: Cognitive Science

PSY 366: Psychological Disorders (SB)

PSY 368: Forensic Psychology

PSY 369: Biology of Human Sexuality

PSY 370: Interpersonal Relationships (SB)

PSY 384: Psychology Undergraduate Teaching Assistant

PSY 385: Psychology of Gender (SB)

PSY 394: Special Topics

PSY 394: Childhood Trauma and Resilience

PSY 394: Psychology of Love and Intimacy

PSY 394: Social Psychology of Cults

PSY 399: Supervised Research

PSY 4** Elective

PSY 425: Biological Bases of Behavior (L)

PSY 434: Cognitive Psychology (L)

PSY 443: Child and Adolescent Psychological Disorders (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 453: Organizational Behavior (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 467: Psychology of Criminal Investigation

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 472: Clinical Psychology

PSY 474: Correctional Psychology

PSY 475: Multicultural Issues in Clinical Psychology

PSY 484: Internship

PSY 493: Honors Thesis (L)

PSY 494: Behavioral Data Science I

PSY 494: Special Topics

PSY 494: Optimal Psych: Multicultural Worldviews-Liberation

PSY 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online, ASU Local
ASPGSBS

**Available accelerated bachelor's/master's degree program options may vary by modality (online vs. on-campus). Students should contact their academic advisor for more information.**

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific First-Year Seminar is required of all first-year students. NEW 101 fulfills this requirement.<br>• SBS 300 (3 credits) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students may elect to take an MA course in Term 1-B to prepare for MAT 170 in Term 2-A.<br>• View ASU Online first-year student registration information here. |
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 170: Precalculus (MA) | 3 | C | • Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement. |
| Life Science Lecture and Lab Course | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Historical Awareness (H) | 3 | • Create a first draft resume. |
| Elective | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 6 | |

| Term 3 - A 26 - 33 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Develop your professional skills. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Explore an IGLE international experience or ASU Study Abroad. |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 46 - 52 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 52 - 58 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 330: Statistical Methods (CS) | 3 | C | |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 58 - 64 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Upper Division Elective OR SBS 300: Careers in Psychology | 3 | | • SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 64 - 70 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Cognitive Science Focus Area Course | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 70 - 76 Credit Hours Necessary course signified by ⭐ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements. |
| Elective | 3 | | |
| ⭐ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 76 - 82 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Psychology Elective | 3 | C | • Psychology Elective must be taken from the course list below.<br>• Thinking about graduate school? Consider registering for a grad school test prep course . |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 82 - 88 Credit Hours Necessary course signified by ⭐ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ⭐ PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | • Create your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 88 - 94 Credit Hours Necessary course signified by ⭐ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ⭐ Upper Division Cognitive Science Focus Area Course | 3 | C | • Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 94 - 100 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Psychology Elective | 3 | C | • Upper Division Psychology Elective must be taken from the course list below.<br>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Complete an in person or virtual practice interview. |
| Related Coursework Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 100 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Psychology Elective | 3 | C | • Upper Division Psychology Elective must be taken from the course list below.<br>• PSY 304 may be used to fulfill the upper division General Studies Literacy and Critical Inquiry (L) and the upper division Psychology Elective requirement in the major.<br>• Gather professional references. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 106 - 112 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Psychology Elective | 3 | C | • Upper Division Psychology Elective must be taken from the course list below.<br>• Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 112 - 118 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Psychology Elective | 3 | C | • Upper Division Psychology Elective must be taken from the course list below. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 118 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 2 | | |
| Term hours subtotal: | 2 | | |

- Courses used to fulfill the Upper Division Psychology Elective requirement may not be used to fulfill multiple psychology major requirements. No more than 3 credit hours of PSY 384, PSY 399, PSY 484, PSY 493, or PSY 499 may count toward this requirement. PSY 492 is not accepted.

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area | Life Science Lecture and Lab Course | Related Coursework Electives |
|---|---|---|
| PSY 320: Learning and Motivation | BCH Elective | ASB Elective |
| PSY 323: Sensation and Perception | BIO Elective | ASM Elective |
| PSY 324: Memory and Cognition | FOR Elective | COM Elective |

PSY 360: Cognitive Science

PSY 434: Cognitive Psychology (L)

PSY 470: Psychopharmacology

LSC Elective

MIC Elective

JHR Elective

PSY Elective

SBS Elective

SOC Elective

Psychology Electives

PSY 2** Elective

PSY 211: The Criminal Mind (SB)

PSY 3** Elective

PSY 304: Effective Thinking (L)

PSY 315: Personality Theory and Research (SB)

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 335: Positive Psychology

PSY 338: Emotional Intelligence

PSY 340: Psychology of Academic Motivation and Growth

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 360: Cognitive Science

PSY 366: Psychological Disorders (SB)

PSY 368: Forensic Psychology

PSY 370: Interpersonal Relationships (SB)

PSY 384: Psychology Undergraduate Teaching Assistant

PSY 385: Psychology of Gender (SB)

PSY 394: Childhood Trauma and Resilience

PSY 394: Psychology of Love and Intimacy

PSY 394: Social Psychology of Cults

PSY 399: Supervised Research

PSY 4** Elective

PSY 434: Cognitive Psychology (L)

PSY 443: Child and Adolescent Psychological Disorders (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 453: Organizational Behavior (SB)

PSY 462: Health Psychology

PSY 467: Psychology of Criminal Investigation

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 474: Correctional Psychology

PSY 484: Internship

PSY 493: Honors Thesis (L)

PSY 494: Behavioral Data Science I

PSY 494: Optimal Psych: Multicultural Worldviews-Liberation

PSY 499: Individualized Instruction

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology (Forensic Psychology), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASPGSFPBA

**Accelerated options for this program are not currently available to ASU Online students.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • Students may elect to take an MA course in place of Elective in Term 1 if needed to prepare for MAT 119 or MAT 170 in Term 2.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| PSY 211: The Criminal Mind (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Historical Awareness (H) | 3 | | |

| | | |
|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | |
| *Complete 2 courses:*<br>Elective | 6 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • PSY 290 may be used to fulfill the General Studies Natural Science (SG) requirement.<br>• Explore an internship, IGLE international experience, or ASU Study Abroad. |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | 3 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 309: Criminology (SB) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Thinking about graduate school? Consider registering for a graduate test prep course.<br>• Develop your professional online presence. |
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| Related Coursework Elective | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 368: Forensic Psychology | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) | 3 | C | |
| PSY 467: Psychology of Criminal Investigation | 3 | C | |
| Upper Division Cognitive Science Focus Area Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 15 |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 468: Psychology and Law | 3 | C | • Gather professional references. |
| Upper Division Cognitive Science Focus Area Course | 3 | C | |
| Upper Division Elective OR PSY 484: Internship | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 474: Correctional Psychology | 3 | C | • Apply for full-time career opportunities. |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area Course |
|---|
| PSY 320: Learning and Motivation |
| PSY 323: Sensation and Perception |
| PSY 324: Memory and Cognition |
| PSY 325: Physiological Psychology |
| PSY 360: Cognitive Science |
| PSY 369: Biology of Human Sexuality |
| PSY 434: Cognitive Psychology (L) |
| PSY 470: Psychopharmacology |

| Related Coursework Electives |
|---|
| ASB Elective |
| ASM Elective |
| COM Elective |
| JHR Elective |
| POS Elective |
| PSY Elective |
| SBS Elective |
| SOC Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology (Forensic Psychology), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online, ASU Local
ASPGSFPBA

**Accelerated options for this program are not currently available to ASU Online students.**

| **Term 1 - A 0 - 7 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 fulfills this requirement.<br>• SBS 300 (3 credits) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| **Term 1 - B 7 - 13 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | • Students may elect to take an MA course in place of Elective in Term 1-B if needed to prepare for MAT 119 or MAT 170 in Term 2-A.<br>• View ASU Online first-year registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 2 - A 13 - 19 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | • Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 2 - B 19 - 26 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PSY 211: The Criminal Mind (SB) | 3 | C | • Secure a part-time job or volunteer experience. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 7 |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • Develop your professional skills. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Explore an IGLE international experience or ASU Study Abroad. |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 366: Psychological Disorders (SB) | 3 | C | • Develop your professional online presence. |
| Upper Division Cognitive Science Focus Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 309: Criminology (SB) | 3 | C | • SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101.<br>• Thinking about graduate school? Consider registering for a grad school test prep course . |
| Upper Division Elective OR SBS 300: Careers in Psychology | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 368: Forensic Psychology | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) | 3 | C | • Use Handshake to research employment opportunities. |

| | | | |
|---|---|---|---|
| PSY 467: Psychology of Criminal Investigation | 3 | C | • Complete an in person or virtual practice interview. |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Cognitive Science Focus Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 468: Psychology and Law | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Language and Cultures requirement may not also be used to fulfill the General Awareness Areas (C) and (G) requirements.<br>• Gather professional references. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 474: Correctional Psychology | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Language and Cultures requirement may not also be used to fulfill the General Awareness Areas (C) and (G) requirements. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • PSY 304 Effective Thinking (L) can be used to meet the Upper Division General Studies Literacy and Critical Inquiry (L) requirement as well as the Upper Division Psychology Elective requirement.<br>• Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by | | Minimum | |
|---|---|---|---|

| | Hours | Grade | Notes |
|---|---|---|---|
| Related Coursework Elective | 3 | C | • Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 3 | | • Apply for full-time career opportunities. |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area Course |
|---|
| PSY 320: Learning and Motivation |
| PSY 323: Sensation and Perception |
| PSY 324: Memory and Cognition |
| PSY 360: Cognitive Science |
| PSY 434: Cognitive Psychology (L) |
| PSY 470: Psychopharmacology |

| Related Coursework Electives |
|---|
| ASB Elective |
| ASM Elective |
| COM Elective |
| JHR Elective |
| POS Elective |
| PSY Elective |
| SBS Elective |
| SOC Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology (Forensic Psychology), BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASPGSFPBS

**Accelerated options for this program are not currently available to ASU Online students.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • Students may elect to take an MA course in Term 1 in place of an Elective in order to prepare for MAT 170 in Term 2.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 170: Precalculus (MA) | 3 | C | • Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| PSY 211: The Criminal Mind (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Historical Awareness (H) | 3 | | |

| | | |
|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | |
| *Complete 2 courses:*<br>Elective | 6 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Explore an internship, an IGLE international experience or ASU Study Abroad. |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | 3 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 330: Statistical Methods (CS) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Thinking about graduate school? Consider registering for a graduate test prep course.<br>• Develop your professional online presence. |
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| CRJ 309: Criminology (SB) | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 368: Forensic Psychology | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) | 3 | C | |
| PSY 467: Psychology of Criminal Investigation | 3 | C | |
| Upper Division Cognitive Science Focus Area Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 468: Psychology and Law | 3 | C | • Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Gather professional references. |
| Life Science Lecture and Lab Course | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective OR PSY 484: Internship | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 474: Correctional Psychology | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area Course |
|---|
| PSY 320: Learning and Motivation |
| PSY 323: Sensation and Perception |
| PSY 324: Memory and Cognition |
| PSY 325: Physiological Psychology |
| PSY 360: Cognitive Science |
| PSY 369: Biology of Human Sexuality |
| PSY 434: Cognitive Psychology (L) |
| PSY 470: Psychopharmacology |

| Life Science Lecture and Lab Course |
|---|
| BCH Elective |
| BIO Elective |
| FOR Elective |
| LSC Elective |
| MIC Elective |

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- • Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120 **General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology (Forensic Psychology), BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online ASU Local
ASPGSFPBS

**Accelerated options for this program are not currently available to ASU Online students.**

| **Term 1 - A 0 - 7 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 satisfies this requirement.<br>• SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| **Term 1 - B 7 - 13 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | • Students may elect to take an MA course in place of Elective in Term 1-B if needed to prepare for MAT 170 in Term 2-A.<br>• View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 2 - A 13 - 19 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MAT 170: Precalculus (MA) | 3 | C | • Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 2 - B 19 - 26 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PSY 211: The Criminal Mind (SB) | 3 | C | • Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | | |
|---|---|---|
| Term hours subtotal: | 7 | Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Secure a part-time job or volunteer experience. |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • Develop your professional skills. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | 3 | C | • Develop your professional skills. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Explore an internship, an IGLE international experience or ASU Study Abroad. |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 366: Psychological Disorders (SB) | 3 | C | • Develop your professional online presence. |
| CRJ 309: Criminology (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 330: Statistical Methods (CS) | 3 | C | • SBS 300 (3 credit hours) is required for all transfer students in place of NEW 101.<br>• Thinking about graduate school? Consider registering for a grad school test prep course . |
| Upper Division Elective OR SBS 300: Careers in Psychology | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 368: Forensic Psychology | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| PSY 467: Psychology of Criminal Investigation | 3 | C |
| Upper Division Elective | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

- Use Handshake to research employment opportunities.
- Complete an in person or virtual practice interview.

| Term 7 - A 75 - 82 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) | 3 | C | • Psychology (Forensic) BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement. |
| Life Science Lecture and Lab Course | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 7 - B 82 - 88 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 468: Psychology and Law | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Gather professional references. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 88 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 474: Correctional Psychology | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 94 - 100 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 100 - 106 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 9 - B 106 - 112 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ Upper Division Cognitive Science Focus Area Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 112 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 3 courses:* Elective | 8 | | |
| Term hours subtotal: | 8 | | |

Hide Course List(s)/Track Group(s)

| | |
|---|---|
| Upper Division Cognitive Science Focus Area Course | Life Science Lecture and Lab Course |
| PSY 320: Learning and Motivation | BCH Elective |
| PSY 323: Sensation and Perception | BIO Elective |
| PSY 324: Memory and Cognition | FOR Elective |
| PSY 360: Cognitive Science | LSC Elective |
| PSY 434: Cognitive Psychology (L) | MIC Elective |
| PSY 470: Psychopharmacology | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology (Positive Psychology), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASPGSPPBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • Students may elect to take a math course in place of an elective in Term 1 if needed to prepare for MAT 119 or MAT 170 in Term 2.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | • Additional subjects may be used to fulfill the Related Coursework Elective requirement with academic advisor approval.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Coursework Elective | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • PSY 290 may be used to fulfill the General Studies Natural Science (SG) requirement.<br>• Explore an internship, an IGLE international experience or ASU Study Abroad. |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Cognitive Science Focus Area Course | 3 | C | • IAS 300 (three credit hours) is required for all transfer students.<br>• Additional subjects may be used to fulfill the Related Coursework Elective requirement with academic advisor approval.<br>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Related Coursework Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 335: Positive Psychology | 3 | C | • Additional subjects may be used to fulfill the Related Coursework Elective requirement with academic advisor approval.<br>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | |
| Upper Division Cognitive Science Focus Area Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Related Coursework Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ PSY 336: Applications of Positive Psychology | 3 | C | • The Positive Psychology Elective must be taken from the course list below.<br>• Gather professional references. |
| Upper Division Positive Psychology Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective OR PSY 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Positive Psychology Elective | 6 | C | • Positive Psychology Electives must be taken from the course list below.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area | Positive Psychology Electives | Related Coursework Electives |
|---|---|---|
| PSY 320: Learning and Motivation | PSY 338: Emotional Intelligence | ASB Elective |
| PSY 323: Sensation and Perception | PSY 340: Psychology of Academic Motivation and Growth | ASM Elective |
| PSY 324: Memory and Cognition | PSY 370: Interpersonal Relationships (SB) | COM Elective |
| PSY 325: Physiological Psychology | PSY 394: Childhood Trauma and Resilience | JHR Elective |
| PSY 360: Cognitive Science | PSY 394: Psychology of Love and Intimacy | POS Elective |
| PSY 369: Biology of Human Sexuality | PSY 462: Health Psychology | PSY Elective |
| PSY 434: Cognitive Psychology (L) | PSY 494: Optimal Psych: Multicultural Worldviews-Liberation | SBS Elective |
| PSY 470: Psychopharmacology | PSY 494: Psychology of Mindfulness | SOC Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology (Positive Psychology), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online, ASU Local
ASPGSPPBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101 meets this requirement.<br>• SBS 300 (three credits) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | • Students may elect to take an MA course in Term 1-B if needed to prepare for MAT 119 or MAT 170 in Term 2-A.<br>• View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Coursework Elective | 3 | C | • Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Create a first draft resume. |
| Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | |

| | | | |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | C | • Build your professional skills. |
| Term hours subtotal: | 7 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • PSY 230 may not be used to fulfill the Interdisciplinary Computer Science requirement in the major. ACO 100, CIS 105, CSE 180 or EDT 180 are required. |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • PSY 290 may be used to fulfill the General Studies Natural Science (SG) requirement.<br>• Explore an IGLE international experience or ASU Study Abroad. |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective OR SBS 300: Careers in Psychology | 3 | | • SBS 300 (three credit hours) is required for all transfer students in place of NEW 101. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Cognitive Science Focus Area Course | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 335: Positive Psychology | 3 | C | |

| | | | |
|---|---|---|---|
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements. |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Coursework Elective | 3 | C | • Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Thinking about graduate school? Consider registering for a graduate school test prep course. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 336: Applications of Positive Psychology | 3 | C | • Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Create your professional online presence. |
| Related Coursework Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Cognitive Science Focus Area Course | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | • Gather professional references. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Positive Psychology Elective | 3 | C | • Choose an Upper Division Psychology Elective from the course list below.<br>• Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Positive Psychology Elective | 3 | C | • Choose an Upper Division Psychology Elective from the course list below. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Positive Psychology Elective | 3 | C | • Choose an Upper Division Psychology Elective from the course list below. |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area | Positive Psychology Electives | Related Coursework Electives |
|---|---|---|
| PSY 320: Learning and Motivation | PSY 338: Emotional Intelligence | ASB Elective |
| PSY 323: Sensation and Perception | PSY 340: Psychology of Academic Motivation and Growth | ASM Elective |
| PSY 324: Memory and Cognition | PSY 370: Interpersonal Relationships (SB) | COM Elective |
| PSY 360: Cognitive Science | PSY 394: Childhood Trauma and Resilience | JHR Elective |
| PSY 434: Cognitive Psychology (L) | PSY 394: Psychology of Love and Intimacy | POS Elective |
| PSY 470: Psychopharmacology | PSY 462: Health Psychology | PSY Elective |
| | PSY 494: Optimal Psych: Multicultural Worldviews-Liberation | SBS Elective |
| | PSY 494: Psychology of Mindfulness | SOC Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology (Positive Psychology), BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASPGSPPBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • Students may elect to take an MA course in Term 1 to prepare for MAT 170 in Term 2.<br>• ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 170: Precalculus (MA) | 3 | C | • Additional subjects may be used to fulfill the Related Coursework Elective requirement with academic advisor approval.<br>• Students are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Coursework Elective | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Students are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Explore an internship, an IGLE international experience or ASU Study Abroad. |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 330: Statistical Methods (CS) | 3 | C | • IAS 300 (three credit hours) is required for all transfer students.<br>• Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Cognitive Science Focus Area Course | 3 | C | |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 335: Positive Psychology | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | |
| Upper Division Cognitive Science Focus Area Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 336: Applications of Positive Psychology | 3 | C | • Students are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Positive Psychology Elective must be taken from the course lists below.<br>• Gather professional references. |
| Upper Division Positive Psychology Elective | 3 | C | |
| Life Science Lecture and Lab Course | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Positive Psychology Elective | 6 | C | • Positive Psychology Electives must be taken from the course lists below.<br>• Apply for full-time career opportunities. |
| Upper Division Elective OR PSY 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area |
|---|
| PSY 320: Learning and Motivation |
| PSY 323: Sensation and Perception |
| PSY 324: Memory and Cognition |
| PSY 325: Physiological Psychology |
| PSY 360: Cognitive Science |
| PSY 369: Biology of Human Sexuality |
| PSY 434: Cognitive Psychology (L) |
| PSY 470: Psychopharmacology |

| Positive Psychology Electives |
|---|
| PSY 338: Emotional Intelligence |
| PSY 340: Psychology of Academic Motivation and Growth |
| PSY 370: Interpersonal Relationships (SB) |
| PSY 394: Childhood Trauma and Resilience |
| PSY 394: Psychology of Love and Intimacy |
| PSY 462: Health Psychology |
| PSY 494: Optimal Psych: Multicultural Worldviews-Liberation |
| PSY 494: Psychology of Mindfulness |

| Related Coursework Electives |
|---|
| ASB Elective |
| ASM Elective |
| COM Elective |
| JHR Elective |
| POS Elective |
| PSY Elective |
| SBS Elective |
| SOC Elective |

| Life Science Lecture and Lab Course |
|---|
| BCH Elective |
| BIO Elective |
| FOR Elective |
| LSC Elective |
| MIC Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology (Positive Psychology), BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online, ASU Local
ASPGSPPBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) | 3 | C | • ASU 101 or college-specific First-Year Seminar is required of all first-year students. NEW 101 fulfills this requirement.<br>• SBS 300 (three credits) is required for all transfer students in place of NEW 101.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | • Students may elect to take an MA course in Term 1-B to prepare for MAT 170 in Term 2-A.<br>• View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 170: Precalculus (MA) | 3 | C | • Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement. |
| Life Science Lecture and Lab Course | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Historical Awareness (H) | 3 | | • Create a first draft resume. |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 3 - A 26 - 33 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Develop your professional skills. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • Psychology BS majors are required to complete one Life Science lecture/lab course (BCH, BIO, FOR, LSC, or MIC - four credit hours) in addition to the General Studies Natural Science (SQ) and (SG) requirements (eight credit hours). PSY 290 may be used to fulfill the SG requirement.<br>• Explore an IGLE international experience or ASU Study Abroad. |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 46 - 52 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 52 - 58 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 330: Statistical Methods (CS) | 3 | C | |
| PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 58 - 64 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective OR SBS 300: Careers in Psychology | 3 | | • SBS 300 (three credit hours) is required for all transfer students in place of NEW 101. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 6 - A 64 - 70 Credit Hours | Hours | Grade | Notes |
|---|---|---|---|
| Upper Division Cognitive Science Focus Area Course | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 70 - 76 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 335: Positive Psychology | 3 | C | • Upper division (C) and (G) courses used to fulfill the New College Proficiency - Languages and Cultures requirement may not also be used to fulfill the General Studies Awareness Areas (C) and (G) requirements. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 76 - 82 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Psychological Disorders (SB) OR PSY 443: Child and Adolescent Psychological Disorders (L or SB) | 3 | C | • Thinking about graduate school? Consider registering for a grad school test prep course. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 82 - 88 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 336: Applications of Positive Psychology | 3 | C | • Create your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 88 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Cognitive Science Focus Area Course | 3 | C | • Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 94 - 100 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Coursework Elective | 3 | C | • Additional subjects may be used to fulfill the Related Coursework requirement with academic advisor approval.<br>• Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 100 - 106 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | C | • Gather professional references. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 106 - 112 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Positive Psychology Elective | 3 | C | • Upper Division Positive Psychology Elective must be taken from the course list below.<br>• Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 112 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Positive Psychology Elective | 6 | C | • Upper Division Psychology Electives must be taken from the course list below. |
| Elective | 2 | | |
| Term hours subtotal: | 8 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Cognitive Science Focus Area |
|---|
| PSY 320: Learning and Motivation |
| PSY 323: Sensation and Perception |
| PSY 324: Memory and Cognition |
| PSY 360: Cognitive Science |
| PSY 434: Cognitive Psychology (L) |
| PSY 470: Psychopharmacology |

| Positive Psychology Electives |
|---|
| PSY 338: Emotional Intelligence |
| PSY 340: Psychology of Academic Motivation and Growth |
| PSY 370: Interpersonal Relationships (SB) |
| PSY 394: Childhood Trauma and Resilience |
| PSY 394: Psychology of Love and Intimacy |
| PSY 462: Health Psychology |
| PSY 494: Optimal Psych: Multicultural Worldviews-Liberation |
| PSY 494: Psychology of Mindfulness |

| Related Coursework Electives |
|---|
| ASB Elective |
| ASM Elective |
| COM Elective |
| JHR Elective |
| PSY Elective |
| SBS Elective |
| SOC Elective |

| Life Science Lecture and Lab Course |
|---|
| BCH Elective |
| BIO Elective |
| FOR Elective |
| LSC Elective |
| MIC Elective |

**Notes:**

•

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social Justice and Human Rights, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASJHRBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JHR 100: Introduction to Social Justice and Human Rights (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S meets this requirement.<br>• IAS 300 is required by all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Historical Awareness (H) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | • Select and complete nine credit hours from each of three interdisciplinary tracks below.<br>• Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Identity and Place Interdisciplinary Track Course | 3 | C | • Select and complete nine credit hours from each of three interdisciplinary tracks below.<br>• Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS) | 3 | C | • Select and complete nine credit hours from each of three interdisciplinary tracks below.<br>• IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Identity and Place Interdisciplinary Track Course | 3 | C | |
| Social Justice and Inequality Interdisciplinary Track Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS) | 3 | C | |
| Upper Division Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | |
| Upper Division Social Justice and Inequality Interdisciplinary Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | • Gather professional references. |
| Upper Division Social Justice and Inequality Interdisciplinary Track Course | 3 | C | |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ JHR 493: Honors Thesis OR JHR 484: Internship OR JHR 485: Social Justice and Human Rights Capstone OR SBS 498: Pro-Seminar (L) | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Identity and Place Interdisciplinary Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- Complete nine credit hours from each of three interdisciplinary tracks below for a total of 27 credit hours. Eighteen credit hours must be upper-division. No single course can be used to fulfill multiple track requirements.

Hide Course List(s)/Track Group(s)

| Social Justice and Inequality Interdisciplinary | Law, Citizenship, Borders Interdisciplinary | Identity and Place Interdisciplinary |
|---|---|---|
| ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB) | ASB 340: Migration and Culture (SB & G) or SOC 328: Migration and Culture (SB & G) | ASB 211: Women in Other Cultures ((HU or SB) & G) |
| ETH 380: Race, Gender, and Class (SB & C) or WST 380: Race, Gender, and Class (SB & C) | ASB 447: Citizenship, Nationalism and Identity (SB & C & G) or POS 447: Citizenship, Nationalism and Identity (SB & C & G) or SBS 447: Citizenship, Nationalism and Identity (SB & C & G) | ASB 394: World Languages and Identity or ENG 394: World Languages and Identity or JHR 394: World Languages and Identity |
| HST 441: Latin America and the World Economy (L & G & H) or LAS 441: Latin America and the World Economy (L & G & H) | JHR 425: The Politics of Immigration | ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G) or WST 430: Gender on the Borderlands (SB & G) |
| JHR 294: Human Rights & Data | JHR 494: International Law and Human Rights | ETH 433: Race and Sexualities in Social Justice Movements or JHR 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements |
| JHR 378: Poverty, Inequality and Social Justice in Latin America | PAX 230: Introduction to Peace Studies (G) | ETH 473: Indigenous and Latina/Chicana Representation (SB & C) or LAS 473: Indigenous and Latina/Chicana Representation (SB & C) or WST 473: Indigenous and Latina/Chicana Representation (SB & C) |
| POS 342: Political Theory (HU or SB) | POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) | FOR 449: Latin American Cinema: The Dead and the Disappeared (G & H) or JHR 494: Latin American Cinema: The Dead & Disappeared or LAS 449: Latin American Cinema: The Dead and the Disappeared (G & H) or SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) |
| POS 446: Democracy (HU) | POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) | HST 376: Modern Latin America (SB & G & H) or LAS 376: Modern Latin America (SB & G & H) |
| POS 480: Global Justice (G) or SBS 480: Global Justice (G) | POS 210: Political Ideologies (SB) | JHR 394: Human Rights in the Global South |
| POS 494: Everyday Forms of Political Resistance | POS 361: American Foreign Policy (SB & G) | JHR 494: Political Representation in Latin America |
| SBS 301: Cultural Diversity ((L or SB) & C) | POS 465: International Organization and Law (SB & G) | POS 150: Comparative Government (SB & G) |
| SOC 331: Environmental Sociology (SB & G) | | |
| SOC 352: Social Change (SB & G & H) | | |
| SOC 426: Social Inequalities (SB) | | |

POS 247: Introduction to Latin American Politics (SB & G)

POS 350: Comparative Politics (SB & G)

POS 357: South Asia Politics (SB & G)

POS 361: American Foreign Policy (SB & G)

POS 437: Women, Power, and Politics (G) or SOC 437: Women, Power, and Politics (G)

SOC 264: Sociology of Gender (SB & C)

SOC 270: Sociology of Race and Ethnicity (SB & C)

WST 428: Gender, Madness and Justice (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social Justice and Human Rights, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online, ASU Local
ASJHRBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JHR 100: Introduction to Social Justice and Human Rights (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101 satisfies this requirement.<br>• IAS 300 (three credit hours) is required for all transfer students in place of NEW 101. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101: The ASU New College Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | • Review the Career Guide for ASU Online students to learn about available career planning resources. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Create a first draft resume. |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Identity and Place Interdisciplinary Track Course | 3 | C | • Select and complete nine credit hours from each of three interdisciplinary tracks below. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 - B 32 - 39 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Historical Awareness (H) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 39 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social Justice and Inequality Interdisciplinary Track Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | • IAS 300 (three credit hours) is required for all transfer students in place of NEW 101. |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JHR 305: Theory and Practice of Social Justice and Human Rights (SB & G) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS) | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Social Justice and Inequality Interdisciplinary Track Course | 3 | C | |

| | | |
|---|---|---|
| Upper Division Elective | 3 | |
| Term hours subtotal: | 6 | |

- Thinking about graduate school? Consider registering for a grad school test prep course.

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | • Create your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Identity and Place Interdisciplinary Track Course | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Law, Citizenship, Borders Interdisciplinary Track Course | 3 | C | • Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Identity and Place Interdisciplinary Track Course | 3 | C | • Gather professional references. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ JHR 485: Social Justice and Human Rights Capstone OR JHR 493: Honors Thesis | 3 | C | • Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Social Justice and Inequality Interdisciplinary Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

- Complete nine credit hours from each of three interdisciplinary tracks below for a total of 27 credit hours. Eighteen credit hours must be upper-division. No single course can be used to fulfill multiple track requirements.

Hide Course List(s)/Track Group(s)

| Social Justice and Inequality Interdisciplinary |
|---|
| ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) |
| JHR 294: Human Rights & Data |
| JHR 378: Poverty, Inequality and Social Justice in Latin America |
| POS 446: Democracy (HU) |
| SOC 352: Social Change (SB & G & H) |
| WST 380: Race, Gender, and Class (SB & C) |

| Law, Citizenship, Borders Interdisciplinary |
|---|
| ASB 340: Migration and Culture (SB & G) or SOC 328: Migration and Culture (SB & G) |
| JHR 425: The Politics of Immigration |
| JHR 494: International Law and Human Rights |
| PAX 230: Introduction to Peace Studies (G) |
| POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) |
| POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) |
| POS 210: Political Ideologies (SB) |
| POS 361: American Foreign Policy (SB & G) |
| POS 465: International Organization and Law (SB & G) |

| Identity and Place Interdisciplinary |
|---|
| JHR 394: Human Rights in the Global South |
| JHR 394: World Languages and Identity |
| JHR 433: Race and Sexualities in Social Justice Movements |
| JHR 494: Political Representation in Latin America |
| POS 150: Comparative Government (SB & G) |
| POS 350: Comparative Politics (SB & G) |
| POS 361: American Foreign Policy (SB & G) |
| SOC 264: Sociology of Gender (SB & C) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social and Behavioral Sciences, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSBSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Introductory Social and Behavioral Science Course AND Social-Behavioral Sciences (SB) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Program Elective | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 200: Introduction to Social and Behavioral Sciences (SB) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 302: Qualitative Methods | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Program Elective | 3 | C | |
| Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 301: Cultural Diversity ((L or SB) & C) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Completion of SBS 301 in Term 5 and the Upper Division Language and Cultures course in Term 7 fulfills the New College Upper Division Language and Cultures requirement.<br>• Develop your professional online presence.<br>• Thinking about graduate school? Consider registering for a grad school test prep course. |
| SBS 303: Quantitative Methods OR SBS 304: Social Statistics I (CS) | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 484: Internship OR SBS 498: Pro-Seminar (L) | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Program Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Program Elective | 3 | C | • Completion of SBS 301 in Term 5 and Upper Division Language and Cultures course in Term 7 fulfills the New College Upper Division Language and Cultures requirement.<br>• Gather professional references. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Program Elective | 3 | C | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | • Apply for full-time career opportunities. |
| Elective | 3 | |
| Term hours subtotal: | 12 | |

- Program Electives: A minimum of 9 credit hours must be taken from courses offered by the New College of Interdisciplinary Arts and Sciences. Up to 6 credit hours of 484 Internship and 499 Individualized Instruction may be applied toward the major. Program elective requirements may be partially fulfilled by completion of a Certificate in Applied Social Sciences, Diversity and Equity Studies, or Power and Society.

Hide Course List(s)/Track Group(s)

| Introductory Social and Behavioral Science Course |
|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) |
| COM 100: Introduction to Human Communication (SB) |
| JHR 100: Introduction to Social Justice and Human Rights (SB & G) |
| POS 110: American Government and Politics (SB) |
| PSY 101: Introduction to Psychology (SB) |
| SOC 101: Introductory Sociology (SB) |
| SOS 111: Sustainable Cities ((HU or SB) & G) |

| Program Electives |
|---|
| ASB Elective |
| COM Elective |
| JHR Elective |
| POS Elective |
| PSY Elective |
| SBS Elective |
| SOC Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social and Behavioral Sciences, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSBSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Introductory Social and Behavioral Science Course AND Social-Behavioral Sciences (SB) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Program Elective | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 200: Introduction to Social and Behavioral Sciences (SB) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| SBS 304: Social Statistics I (CS) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 302: Qualitative Methods | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Program Elective | 3 | C | |
| Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 301: Cultural Diversity ((L or SB) & C) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Completion of SBS 301 in Term 5 and the Upper Division Language and Cultures course in Term 7 fulfills the New College Upper Division Language and Cultures requirement.<br>• Develop your professional online presence.<br>• Thinking about graduate school? Consider registering for a grad school test prep course. |
| SBS 303: Quantitative Methods | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 484: Internship OR SBS 498: Pro-Seminar (L) | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Program Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Program Elective | 3 | C | • Completion of SBS 301 in Term 5 and Upper Division Language and Cultures course in Term 7 fulfills the New College Upper Division Language and Cultures requirement.<br>• Gather professional references. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Program Elective | 3 | C | |

| | | |
|---|---|---|
| Upper Division Elective | 3 | |
| *Complete 2 courses:* Elective | 6 | |
| Term hours subtotal: | 12 | |

- Apply for full-time career opportunities.

- Program Electives: A minimum of 9 credit hours must be taken from courses offered by the New College of Interdisciplinary Arts and Sciences. Up to 6 credit hours of 484 Internship and 499 Individualized Instruction may be applied toward the major. Program elective requirements may be partially fulfilled by completion of a Certificate in Applied Social Sciences, Diversity and Equity Studies, or Power and Society.

Hide Course List(s)/Track Group(s)

| Introductory Social and Behavioral Science Course |
|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) |
| COM 100: Introduction to Human Communication (SB) |
| JHR 100: Introduction to Social Justice and Human Rights (SB & G) |
| POS 110: American Government and Politics (SB) |
| PSY 101: Introduction to Psychology (SB) |
| SOC 101: Introductory Sociology (SB) |
| SOS 111: Sustainable Cities ((HU or SB) & G) |

| Program Electives |
|---|
| ASB Elective |
| COM Elective |
| JHR Elective |
| POS Elective |
| PSY Elective |
| SBS Elective |
| SOC Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social and Cultural Analysis (American Studies), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSCAASBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, speak with an academic advisor.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 200: Introduction to Social and Cultural Analysis (SB & C) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| | Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| American Studies Concentration Course | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | • HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| *Complete 2 courses:*<br>Upper Division American Studies Concentration Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division American Studies Concentration Course | 6 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division American Studies Concentration Course | 3 | C | • Gather professional references. |
| Upper Division Elective OR IAS 484: Internship | 3 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| HRC 480: Capstone: Practices and Approaches (L) | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division American Studies Concentration Course | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- For the American Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

| American Studies Concentration Course |
|---|
| AMS 201: Introduction to American Studies (L & C) |
| AMS 276: U.S. Women's Movements (H & C) |
| AMS 326: Popular Culture |
| AMS 330: American Lives (HU & C) |
| AMS 332: Studies in Race and Ethnicity |
| AMS 334: Class in America (SB) or ETH 333: Class in America (SB) or WST 334: Class in America (SB) |
| AMS 336: The American Southwest in Literature and Film ((L or HU) & C) |
| AMS 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |
| AMS 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) |
| AMS 380: Race, Gender, and Class (SB & C) |
| AMS 412: Studies in American Politics and Law (H) |
| AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) |
| AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) |
| AMS 450: Latina/os, Schooling and Social Inequality (C) |
| AMS 469: Abject Bodies and the Politics of Trash (SB & C) |
| ENG 337: Major American Novels (L or HU) |
| FOR 454: History of Genocide (G & H) or HST 454: History of Genocide (G & H) or REL 454: History of Genocide (G & H) |

HST 320: U.S. Urban History since 1850 (SB & H)

HST 413: Contemporary America ((L or SB) & H)

HST 419: 20th Century Chicano/a History (C)

REL 321: Religion in America ((L or HU) & C & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSCAERBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, speak with an academic advisor.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 200: Introduction to Social and Cultural Analysis (SB & C) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| | Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Ethnicity, Race and Indigenous Studies Concentration Course | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | • HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| *Complete 2 courses:*<br>Upper Division Ethnicity, Race and Indigenous Studies Concentration Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Ethnicity, Race and Indigenous Studies Concentration Course | 6 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Ethnicity, Race and Indigenous Studies Concentration Course | 3 | C | • Gather professional references. |
| Upper Division Elective OR IAS 484: Internship | 3 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ HRC 480: Capstone: Practices and Approaches (L) | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:* Upper Division Ethnicity, Race and Indigenous Studies Concentration Course | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- For the Ethnicity, Race and Indigenous Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

| Ethnicity, Race, and Indigneous Studies Concentration |
|---|
| ENG 317: Cross-Cultural Writing ((L or HU) & G) |
| ENG 420: Multicultural Autobiographies ((L or HU) & C) |
| ENG 462: Africana Literature (HU & G) |
| ENG 463: African American Literature |
| ETH 100: Ethnic and Indigenous Lives (SB & C) |
| ETH 334: The American Southwest in Literature and Film ((L or HU) & C) |
| ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |
| ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) |
| ETH 380: Race, Gender, and Class (SB & C) |
| ETH 428: Peoples and Cultures of the American West, to 1848 (SB & H) |
| ETH 430: Gender on the Borderlands (SB & G) |
| ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements |
| ETH 449: Hate Speech, Manifestos, and Radical Writings (SB & C) |
| ETH 450: Latina/os, Schooling and Social Inequality (C) |

ETH 469: Abject Bodies and the Politics of Trash (SB & C)

ETH 473: Indigenous and Latina/Chicana Representation (SB & C)

HST 419: 20th Century Chicano/a History (C) or LAS 419: 20th Century Chicano/a History (C)

SBS 301: Cultural Diversity ((L or SB) & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social and Cultural Analysis (Latin American Studies), BA

School/College: New College of Interdisciplinary Arts and Sciences
ASSCALABA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, speak with an academic advisor.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 200: Introduction to Social and Cultural Analysis (SB & C) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Latin American Studies Concentration Course | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | • HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| *Complete 2 courses:*<br>Upper Division Latin American Studies Concentration Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 78 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Latin American Studies Concentration Course | 6 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 93 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Latin American Studies Concentration Course | 3 | C | • Gather professional references. |
| Upper Division Elective OR LAS 484: Internship | 3 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 108 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| HRC 480: Capstone: Practices and Approaches (L) | 3 | C | • Apply for full-time career opportunities . |
| *Complete 2 courses:*<br>Upper Division Latin American Studies Concentration Course | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- For the Latin American Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

| Latin American Studies Concentration |
| --- |
| LAS 205: Deep Roots: Latin America (HU & G) |
| LAS 206: Locating Latin America:Interdisciplinary Methods |
| LAS 330: From the Inside: The Latin American Journey (HU) |
| LAS 340: Latin American Women Writers (HU & G) |
| LAS 350: The Construction of a Nation: Chile in the 20th/21st Century |
| LAS 351: Cityscapes: Urban Mexican Literature and Culture |
| LAS 355: Contemporary Mexican Cinema: Changing Cartographies |
| LAS 375: Colonial Latin America (SB & H) |
| LAS 376: Modern Latin America (SB & G & H) |
| LAS 404: Conquest and Encounters in Colonial Latin America (L & G) |
| LAS 419: 20th Century Chicano/a History (C) |
| LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) |
| LAS 430: Gender on the Borderlands (SB & G) |
| LAS 441: Latin America and the World Economy (L & G & H) |
| LAS 450: Latina/os, Schooling and Social Inequality (C) |
| LAS 471: Treaties and Cultural Production in Spain and the Americas |
| LAS 473: Indigenous and Latina/Chicana Representation (SB & C) |
| LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) |
| LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to

ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social and Cultural Analysis (Peace Studies), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSCAPSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, speak with an academic advisor.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 200: Introduction to Social and Cultural Analysis (SB & C) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| | Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Peace Studies Concentration Course | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | • HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| *Complete 2 courses:*<br>Upper Division Peace Studies Concentration Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Peace Studies Concentration Course | 6 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Peace Studies Concentration Course | 3 | C | • Gather professional references. |
| Upper Division Elective OR IAS 484: Internship | 3 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Queer and Sexuality Studies Concentration Course | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | • HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| *Complete 2 courses:*<br>Upper Division Queer and Sexuality Studies Concentration Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Queer and Sexuality Studies Concentration Course | 6 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Queer and Sexuality Studies Concentration Course | 3 | C | • Gather professional references. |
| Upper Division Elective OR WST 484: Internship | 3 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social and Cultural Analysis (Queer and Sexuality Studies), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSCAQSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, speak with an academic advisor.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 200: Introduction to Social and Cultural Analysis (SB & C) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s). | | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Queer and Sexuality Studies Concentration Course | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | • HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| *Complete 2 courses:*<br>Upper Division Queer and Sexuality Studies Concentration Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Queer and Sexuality Studies Concentration Course | 6 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Queer and Sexuality Studies Concentration Course | 3 | C | • Gather professional references. |
| Upper Division Elective OR WST 484: Internship | 3 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ HRC 480: Capstone: Practices and Approaches (L) | 3 | C | • Apply for full-time career opportunities.> |
| *Complete 2 courses:*<br>Upper Division Queer and Sexuality Studies Concentration Course | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- For the Queer and Sexuality Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.
- If WST 100 is taken in Term 2, WST 100 and WST 300 may not be taken as Concentration Courses.

Hide Course List(s)/Track Group(s)

Queer and Sexuality Studies Concentration

AMS 276: U.S. Women's Movements (H & C) or WST 276: U.S. Women's Movements (H & C)

AMS 334: Class in America (SB) or ETH 333: Class in America (SB) or WST 334: Class in America (SB)

ENG 443: Gender, Culture and Literacy or WST 415: Gender, Culture and Literacy

ETH 433: Race and Sexualities in Social Justice Movements or WST 433: Race and Sexualities in Social Justice Movements

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C)

WST 333: Critical Perspectives on Sexuality (SB & C)

WST 376: Feminist Theory (H & C)

WST 380: Race, Gender, and Class (SB & C)

WST 413: Queer Studies (HU & C)

WST 428: Gender, Madness and Justice (SB)

WST 444: Gender, Health, and Bodies (SB)

WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)

WST 457: Women, Cultures, and Societies (SB & G)

WST 469: Abject Bodies and the Politics of Trash (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social and Cultural Analysis (Women and Gender Studies), BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSCAWSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 is required for all transfer students in place of NEW 101-H.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in Term 3 depending on course availability. For questions, speak with an academic advisor.<br>• Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| AMS 201: Introduction to American Studies (L & C) OR ETH 100: Ethnic and Indigenous Lives (SB & C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB & C) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 200: Introduction to Social and Cultural Analysis (SB & C) | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s). | | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| | Term hours subtotal: | 15 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Women and Gender Studies Concentration Course | 3 | C | • Explore an internship, IGLE international experience, or ASU Study Abroad. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HRC 310: Social and Cultural Analysis: Method and Theory (C) | 3 | C | • HRC 310 (C) fulfills three credit hours of the New College Language and Cultures requirement.<br>• IAS 300 (three credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| *Complete 2 courses:*<br>Upper Division Women and Gender Studies Concentration Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Women and Gender Studies Concentration Course | 6 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Women and Gender Studies Concentration Course | 3 | C | • Gather professional references. |
| Upper Division Elective OR WST 484: Internship | 3 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| HRC 480: Capstone: Practices and Approaches (L) | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division Women and Gender Studies Concentration Course | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- For the Women and Gender Studies Concentration requirement, choose 24 credit hours (eight courses) from the course list below; 21 credit hours must be upper division.

Hide Course List(s)/Track Group(s)

| Women and Gender Studies Concentration |
|---|
| AMS 334: Class in America (SB) or ETH 333: Class in America (SB) or WST 334: Class in America (SB) |
| ENG 220: Gender, Media and Culture (HU & C) or WST 220: Gender, Media and Culture (HU & C) |
| ENG 336: Women, Film and Culture (SB & C) or WST 330: Women, Film and Culture (SB & C) |
| ENG 364: Women and Literature (HU) |
| ENG 443: Gender, Culture and Literacy or WST 415: Gender, Culture and Literacy |
| ENG 454: Gender and Literature (L or HU) or WST 454: Gender and Literature (L or HU) |
| HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) |
| SBS 301: Cultural Diversity ((L or SB) & C) |
| WST 100: Women, Gender, and Society (SB & C) or WST 300: Women and Gender in Contemporary Society (SB & C) |
| WST 276: U.S. Women's Movements (H & C) |
| WST 333: Critical Perspectives on Sexuality (SB & C) |
| WST 341: Latin American Women Writers (HU & G) or LAS 340: Latin American Women Writers (HU & G) |
| WST 370: Chronicling Women's Lives (HU & C) |
| WST 376: Feminist Theory (H & C) |
| WST 380: Race, Gender, and Class (SB & C) |
| WST 390: Women, Gender and Religion (HU & G) |

WST 428: Gender, Madness and Justice (SB)

WST 430: Gender on the Borderlands (SB & G) or ETH 430: Gender on the Borderlands (SB & G) or LAS 430: Gender on the Borderlands (SB & G)

WST 433: Race and Sexualities in Social Justice Movements or ETH 433: Race and Sexualities in Social Justice Movements

WST 444: Gender, Health, and Bodies (SB)

WST 449: Hate Speech, Manifestos, and Radical Writings (SB & C)

WST 457: Women, Cultures, and Societies (SB & G)

WST 469: Abject Bodies and the Politics of Trash (SB & C)

WST 473: Indigenous and Latina/Chicana Representation (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sociology, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West, ASU at Lake Havasu
ASSOCBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| SOC Elective | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 304: Social Statistics I (CS) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Up to 6 credit hours of 484 Internship and/or 499 Individualized Instructions may apply toward the related area courses.<br>• SOC 484 and SOC 499 do not apply as sociology electives.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Related Area Course | 3 | C | |
| SOC Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 302: Qualitative Methods | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 426: Social Inequalities (SB) OR SOC 483: Sociological Theories (L or SB) | 3 | C | • Up to 6 credit hours of 484 Internship and/or 499 Individualized Instructions may apply toward the related area courses.<br>• SOC 484 and SOC 499 do not apply as sociology electives.<br>• Gather professional references. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Related Area Course | 3 | C | |

| | | |
|---|---|---|
| SOC Upper Division Elective | 3 | C |
| Upper Division Elective | 3 | |
| Term hours subtotal: | 15 | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SOC Upper Division Elective | 3 | C | • SOC 484 and SOC 499 do not apply as sociology electives.<br>• Apply for full-time career opportunities. |
| Upper Division Elective OR SOC 484: Internship | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| ASB Elective |
| JHR Elective |
| POS Elective |
| PSY Elective |
| SBS Elective |
| SOC Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sociology, BS

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSOCBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. NEW 101-S satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-S.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-S: The ASU New College Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| SOC Elective | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 304: Social Statistics I (CS) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Up to 6 credit hours of 484 Internship and/or 499 Individualized Instructions may apply toward the related area courses.<br>• SOC 484 and SOC 499 do not apply as sociology electives.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| Upper Division Related Area Course | 3 | C | |
| SOC Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SBS 303: Quantitative Methods | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 426: Social Inequalities (SB) OR SOC 483: Sociological Theories (L or SB) | 3 | C | • Up to 6 credit hours of 484 Internship and/or 499 Individualized Instructions may apply toward the related area courses.<br>• SOC 484 and SOC 499 do not apply as sociology electives.<br>• Gather professional references. |
| Upper Division Language and Cultures: Requirement satisfied through the following:<br>* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. | 3 | C | |
| Upper Division Related Area Course | 3 | C | |

| | | |
|---|---|---|
| SOC Upper Division Elective | 3 | C |
| Upper Division Elective | 3 | |
| Term hours subtotal: | 15 | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SOC Upper Division Elective | 3 | C | • SOC 484 and SOC 499 do not apply as sociology electives.<br>• Apply for full-time career opportunities. |
| Upper Division Elective OR SOC 484: Internship | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| ASB Elective |
| JHR Elective |
| POS Elective |
| PSY Elective |
| SBS Elective |
| SOC Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Spanish, BA

School/College: New College of Interdisciplinary Arts and Sciences
Location: West
ASSPABA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 102: Elementary Spanish II (G) | 4 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-H satisfies this requirement.<br>• IAS 300 (3 credits) is required for all transfer students in place of NEW 101-H.<br>• SPA 101 is for true beginners, is considered introductory, does not count toward the major, and taking it will extend the amount of time to degree completion. See academic advisor for more information.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-H: The ASU New College Experience | 1 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 201: Intermediate Spanish (G) | 4 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 202: Intermediate Spanish (G) | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C) | 3 | C | • Explore an internship, an IGLE international experience, or ASU Study Abroad. |
| Related Area Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C) | 3 | C | • IAS 300 (3 credit hours) is required for all transfer students.<br>• Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Develop your professional online presence. |
| SPA 325: Introduction to Hispanic Literature (HU) | 3 | C | |
| Upper Division Spanish Culture and Civilization Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Spanish Culture and Civilization Course | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Spanish Literature Course | 3 | C | |
| Related Area Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Spanish Literature Course | 3 | C | • Gather professional references. |
| Upper Division Spanish Culture and Civilization Course | 3 | C | |
| *Complete 2 courses:*<br>Related Area Elective | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Spanish Culture and Civilization Course | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division Spanish Literature Course | 6 | C | |

| | |
|---|---|
| Upper Division Elective OR SPA 484: Internship | 3 |
| Term hours subtotal: | 12 |

- Literature: choose 12 hours (four courses)
- Spanish Culture and Civilization: choose 12 hours (four courses). Courses taught in English will require all written work in Spanish for major credit.
- Related Area Electives: total of 12 hours (four courses). Choose from SPA, LAS or Related Area Electives List. Other courses must be approved by an academic advisor.

Hide Course List(s)/Track Group(s)

| Upper Division Spanish Literature Courses |
|---|
| LAS 340: Latin American Women Writers (HU & G) |
| LAS 351: Cityscapes: Urban Mexican Literature and Culture |
| SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU) |
| SPA 426: Literature and Society in Modern Spain (HU) |
| SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) |
| SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) |
| SPA 429: Writing Mexico: Major Texts ((L or HU) & G) |
| SPA 434: Drama of the Golden Age |
| SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C) |
| SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C) |

| Upper Division Spanish Culture and Civilization Courses |
|---|
| LAS 355: Contemporary Mexican Cinema: Changing Cartographies |
| LAS 394: Global Central America: Markets, Migrations, Media or SPA 394: Global Central America: Markets, Migrations, Media |
| LAS 394: Special Topics |
| LAS 449: Latin American Cinema: The Dead and the Disappeared (G & H) or SPA 449: Latin American Cinema: The Dead and the Disappeared (G & H) |
| LAS 471: Treaties and Cultural Production in Spain and the Americas |
| LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) |
| LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) or SPA 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G) |
| LAS 494: Special Topics |
| SPA 394: Special Topics |
| SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) |
| SPA 472: Latin American Society: Five Case Studies (HU & H & G) |
| SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) |
| SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) |
| SPA 494: Special Topics |

| Related Area Electives |
|---|
| ASB 356: Central American Studies (SB & G) or SBS 356: Central American Studies (SB & G) or SOC 356: Central American Studies (SB & G) or POS 354: Central American Studies (SB & G) |
| ENG 334: The American Southwest in Literature and Film ((L or HU) & C) |
| ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) |
| HST 324: Food in Latin America (SB & G & H) or LAS 324: Food in Latin America (SB & G & H) |
| LAS 205: Deep Roots: Latin America (HU & G) |
| LAS 206: Locating Latin America:Interdisciplinary Methods |
| LAS 340: Latin American Women Writers (HU & G) |
| LAS 350: The Construction of a Nation: Chile in the 20th/21st Century |
| LAS 351: Cityscapes: Urban Mexican Literature and Culture |
| LAS 355: Contemporary Mexican Cinema: Changing Cartographies |
| LAS 375: Colonial Latin America (SB & H) |
| LAS 376: Modern Latin America (SB & G & H) |
| LAS 404: Conquest and Encounters in Colonial Latin America (L & G) |
| LAS 419: 20th Century Chicano/a History (C) |
| LAS 428: Peoples and Cultures of the American West, to 1848 (SB & H) |

LAS 471: Treaties and Cultural Production in Spain and the Americas

LAS 473: Indigenous and Latina/Chicana Representation (SB & C)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU & G)

POS 453: Latin America (SB & G)

POS 454: Mexico (SB & G)

SPA 412: Advanced Conversation and Composition (G)

SPA 413: Spanish Grammar in Context (G)

SPA 456: 20th-Century Spanish American Fiction

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Statistics, BS

School/College: New College of Interdisciplinary Arts and Sciences
ASSTABS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students. NEW 101-M satisfies this requirement.<br>• IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101-M.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ACO 101: Introduction to Computer Science (CS) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| NEW 101-M: The ASU New College Experience | 1 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | • Create a first draft resume.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| ACO 102: Object-Oriented Programming (CS) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | • Develop your research skills.<br>• Develop your professional skills. |
| STP 280: Probability and Statistics for Researchers (CS) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STP 281: Statistical Analysis for Researchers | 3 | C | • Completion of ACO 101 and ACO 102 (with C or better) fulfills the New College |
| Global Awareness (G) | 3 | | |

| | | |
|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Social-Behavioral Sciences (SB) | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 16 | |

- Proficiency - Language and Cultures requirement.
- Explore an internship, an IGLE international experience, or ASU Study Abroad.

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ STP 310: Design and Analysis of Experiments | 3 | C | |
| ★ STP 311: Regression and Time Series Analyses | 3 | C | |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Career Strategies and Personal Resilience (L or SB) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15 | | |

- IAS 300 (3 credit hours) is required for all transfer students.
- Thinking about graduate school? Consider registering for a grad school test prep course.
- Develop your professional online presence.

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ STP 315: Statistical Computing | 3 | C | |
| ★ Upper Division Statistics Elective | 3 | C | |
| Statistics Focus Area Course | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | C | |
| Upper Division Elective OR STP 484: Internship | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- Statistics Focus Area courses are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. See advisor to select the proper courses for the desired related field.
- Students interested in graduate school should enroll in MAT 300, 371 and 472.
- For data science careers, complete ACO courses for focus area.
- LSC 388 is strongly recommended for students interested in graduate school.
- Use Handshake to research employment opportunities.
- Complete an in person or virtual practice interview.

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ STP 421: Probability | 3 | C | |
| ★ STP 485: Statistics Capstone | 3 | C | |
| Upper Division Statistics Elective | 3 | C | |
| Statistics Focus Area Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

- STP 485 Statistics Capstone is offered in fall semesters only. Consult your academic advisor for course planning.
- Statistics Focus Area courses are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. See advisor to select the proper courses for the desired related field.
- Students interested in graduate school should enroll in MAT 300, 371 and 472.
- For data science careers, complete ACO courses for focus area.
- Gather professional references.

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ STP 427: Mathematical Statistics | 3 | C | |
| Upper Division Statistics Elective | 3 | C | |
| Statistics Focus Area Course | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |

- Statistics Focus Area courses are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. See advisor to select the proper courses for the desired related field.

| | | |
|---|---|---|
| Term hours subtotal: | 15 | • Students interested in graduate school should enroll in MAT 300, 371 and 472 for focus area.<br>• For data science careers, complete ACO courses for focus area.<br>• Apply for full-time career opportunities. |

- Upper-Division Statistics Electives
  - Complete 9 credit hours. STP 494 repeatable for different topics. STP 499 may only be taken once, up to 3 credits. Courses may only apply once to either the Upper-Division Statistics Electives or the Focus Area Requirement.

Statistics Focus Area

- Students should select and complete three courses (9-10 credit hours) from a single discipline. (i.e. three MAT courses or three CHM courses or three ACO courses) to complete the Focus Area requirement.
- Courses may only apply once to either the Upper-Division Statistics Electives or the Focus Area Requirement.
- Students interested in graduate school should enroll in MAT 300, 371 and 472 for the Statistics Focus area.
- For data science careers, complete Applied Computing (ACO) courses for the focus area.

Hide Course List(s)/Track Group(s)

| Upper Division Statistics Electives | Statistics Focus Area Course |
|---|---|
| ACO 494: Hacking for Defense | ACO 201: Data Structures and Algorithms (CS) |
| MAT 494: Mathematical Methods in Data Science | ACO 320: Database Systems |
| STP 450: Nonparametric Statistics | ACO 350: Systems Programming (CS) |
| STP 451: Quality Improvement | CHM 113: General Chemistry I (SQ) |
| STP 452: Multivariate Statistics | CHM 116: General Chemistry II (SQ) |
| STP 460: Categorical Data Analysis | CHM 233: General Organic Chemistry I |
| STP 494: Special Topics | MAT 243: Discrete Mathematical Structures |
| STP 499: Individualized Instruction | MAT 300: Mathematical Structures (L) |
| | MAT 371: Advanced Calculus I |
| | MAT 421: Applied Computational Methods (CS) |
| | MAT 450: Mathematical Models in Biology |
| | MAT 472: Intermediate Real Analysis I |
| | MAT 494: Mathematical Methods in Data Science |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Digital Audiences, BS

School/College: Walter Cronkite School of Journalism and Mass Comm
Location: Downtown Phoenix
CSDIGABS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JMC 101: Grammar for Journalists | 1 | B- | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year and transfer students.<br>• JMC 110 is recommended for students attending in person.<br>• Activate your Handshake account and build out your profile. |
| JMC 115: Diversity and Civility at Cronkite | 1 | C | |
| MCO 102: Fundamentals of Coding | 1 | C | |
| MCO 120: Media and Society (SB) OR JMC 110: Principles and History of Journalism (SB) | 3 | C | |
| ASU 101-CS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Select your Career Interest Communities and play me3@ASU.<br>• Join a student club or professional organization. |
| Historical Awareness (H) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 or ENG 105 or ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 28 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 366: Media Ethics and Diversity OR JMC 366: Journalism Ethics and Diversity | 3 | C | • Develop your professional online presence. |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 307: The Digital Audience | 3 | C | • Due to course equivalency issues, students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser.<br>• Thinking about graduate school? Consider registering for a grad school test prep course. |
| Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 433: Social Media Campaigns, Engagement and Research | 3 | C | • Use Handshake to research employment opportunities. |
| MCO 403: Media Law OR JMC 402: Mass Communication Law | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 434: Search Engine Research and Strategy | 3 | C | • Complete an in person or virtual practice interview.<br>• Gather professional references.<br>• Apply for full-time career opportunities. |
| MCO 438: Digital Audience Analysis | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 439: Digital Audience Growth | 3 | C | |
| Upper Division Mass Communication Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Mass Communication Electives |
| --- |
| MCO 240: Media Issues in American Pop Culture |
| MCO 302: Media Research Methods |
| MCO 335: Social Media Foundations |
| MCO 366: Media Ethics and Diversity |
| MCO 403: Media Law |
| MCO 418: History of Mass Communication (SB & H) |
| MCO 425: Digital Media Literacy I |
| MCO 426: Digital Media Literacy II |
| MCO 427: Misinformation and Society |
| MCO 428: Digital Media and Freedom of Expression in the 21st Century |
| MCO 430: International Mass Communication (G) |
| MCO 431: Media Entrepreneurship |
| MCO 450: Visual Communication (HU) |
| MCO 456: Political Communication (SB) |
| MCO 460: Race, Gender, and Media (C) |
| MCO 465: Sports and Media |
| MCO 470: Exploring the Business of Journalism |
| MCO 473: Sex, Love, and Romance in the Mass Media (SB) |
| MCO 484: Internship |
| MCO 494: Special Topics |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Digital Audiences, BS

School/College: Walter Cronkite School of Journalism and Mass Comm
Location: Online, ASU Local
CSDIGABS

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JMC 101: Grammar for Journalists | 1 | B- | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year and transfer students. |
| MCO 120: Media and Society (SB) | 3 | C | |
| ASU 101-UC: The ASU Experience | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JMC 115: Diversity and Civility at Cronkite | 1 | C | • View ASU Online first-year student registration information here.<br>• Activate your Handshake account and build out your profile. |
| MCO 102: Fundamentals of Coding | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 5 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Select your Career Interest Communities and play me3@ASU. |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Create a first draft resume.<br>• Join a student club or professional organization. |
| Elective | 3 | | |
| Complete ENG 101 or ENG 105 or ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | | • Students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Develop your career skills: practice interviews, resume building, career development, and more. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 366: Media Ethics and Diversity | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | • Develop your professional online presence. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 307: The Digital Audience | 3 | C | • Due to course equivalency issues, students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Global Awareness (G) | 3 | | • Due to course equivalency issues, students interested in pursuing graduate programs in Digital Audiences should consult their academic adviser. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | • Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 433: Social Media Campaigns, Engagement and Research | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ★ MCO 434: Search Engine Research and Strategy | 3 | C |
| Elective | 3 | |
| Term hours subtotal: | 6 | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 403: Media Law | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MCO 438: Digital Audience Analysis | 3 | C | • Thinking about graduate school? Consider registering for a grad school test prep course . |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MCO 439: Digital Audience Growth | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

Mass Communication Electives

MCO 302: Media Research Methods

MCO 335: Social Media Foundations

MCO 366: Media Ethics and Diversity

MCO 403: Media Law

MCO 418: History of Mass Communication (SB & H)

MCO 425: Digital Media Literacy I

MCO 426: Digital Media Literacy II

MCO 427: Misinformation and Society

MCO 428: Digital Media and Freedom of Expression in the 21st Century

MCO 430: International Mass Communication (G)

MCO 431: Media Entrepreneurship

MCO 450: Visual Communication (HU)

MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)

MCO 465: Sports and Media

MCO 470: Exploring the Business of Journalism

MCO 473: Sex, Love, and Romance in the Mass Media (SB)

MCO 484: Internship

MCO 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Digital Media Literacy, BA

School/College: Walter Cronkite School of Journalism and Mass Comm
Location: Online, ASU Local
CSDMLBA

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by ! | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ! MCO 120: Media and Society (SB) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by ! | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| ! Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | | • Develop your career skills: practice interviews, resume building, career development, and more. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 - B 31 - 38 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mass Communication Elective | 3 | C | • Secure a part-time job or volunteer experience. |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Global Awareness (G) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 302: Media Research Methods | 3 | C | • Develop your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 425: Digital Media Literacy I | 3 | C | • Use Handshake to research employment opportunities. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 426: Digital Media Literacy II | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 427: Misinformation and Society | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MCO 428: Digital Media and Freedom of Expression in the 21st Century | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 3 | C | • Gather professional references. |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

- Mass Communication Elective
- MCO 101: Everyday Grammar
- MCO 102: Fundamentals of Coding
- MCO 240: Media Issues in American Pop Culture

- MCO 307: The Digital Audience
- MCO 335: Social Media Foundations
- MCO 366: Media Ethics and Diversity
- MCO 403: Media Law
- MCO 418: History of Mass Communication (SB & H)
- MCO 430: International Mass Communication (G)
- MCO 431: Media Entrepreneurship
- MCO 450: Visual Communication (HU)
- MCO 456: Political Communication (SB)
- MCO 460: Race, Gender, and Media (C)
- MCO 465: Sports and Media
- MCO 470: Exploring the Business of Journalism
- MCO 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Journalism and Mass Communication, BA

School/College: Walter Cronkite School of Journalism and Mass Comm
Location: Downtown Phoenix
CSJMCBA

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JMC 101: Grammar for Journalists | 1 | B- | • ASU 101-CS required of all first-year and transfer students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students should take a placement exam. |
| JMC 110: Principles and History of Journalism (SB) | 3 | C | |
| JMC 115: Diversity and Civility at Cronkite | 1 | C | |
| ASU 101-CS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| JMC 102: Coding for Journalists | 1 | C | |
| Mathematics (MA) | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students interested in Accelerated Master's Degrees should consult with their academic adviser. |
| JMC 201: News Reporting and Writing (L) | 3 | C | |
| JMC 305: Multimedia Journalism | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) AND Statistics Course | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | | • Students interested in Public Relations should contact their academic adviser to review course recommendations. |
| JMC 301: Intermediate Reporting and Writing (L) | 3 | C | |
| JMC 366: Journalism Ethics and Diversity | 3 | C | |

| | | |
|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB) | 3 | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

- Courses you are taking now will impact your eligibility for certain Professional Programs. Please consult with your academic adviser to make sure you are on the right track to achieve your goal.

| **Term 4 45 - 61 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| JMC 313: Introduction to Editing OR JMC 345: Videography OR JMC 448: Non-Narrative Video Storytelling | 3 | C | • Related Area courses must be approved by an academic adviser.<br>• Explore careers and internship opportunities through Cronkite Career Services. |
| SOC 101: Introductory Sociology (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | | |
| Philosophy Course AND Humanities, Arts and Design (HU) | 3 | | |
| Related Area Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete JMC 201 AND JMC 301 course(s). | | | |
| Complete JMC 305 AND JMC 366 course(s). | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 61 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| JMC 473: The Business and Future of Journalism OR JMC 310: Principles of Strategic Communications | 3 | C | • Students following a Public Relations track should enroll in JMC 310; all others should enroll in JMC 473.<br>• Thinking about graduate school? Consider registering for a grad school test prep course. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.<br>AND<br>Global Awareness (G) | 4 | C | |
| U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17 | | |

| **Term 6 78 - 94 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| JMC 402: Mass Communication Law | 3 | C | • Advanced Skills course should be selected in consultation with academic adviser.<br>• Related Area courses must be approved by an academic adviser. |
| Upper Division Advanced Skills Course | 3 | C | |
| JMC 484: Internship | 3 | Y | |
| Related Area Course | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |

| | | | |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s). | | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 16 | |

| Term 7 94 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Advanced Skills Course | 3 | C | • Professional Programs require placement. Consult with your academic adviser to review your eligibility for certain programs.<br>• Students interested in additional Professional Program credit can apply it toward their Upper Division Advanced Skills Course credit. Consult with your academic adviser for more information. |
| ★ Upper Division Professional Program | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| JMC OR MCO Upper Division Elective | 3 | C | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Related Area courses must be approved by an academic adviser.<br>• Complete an in person or virtual practice interview. |
| JMC OR MCO Upper Division Elective | 3 | C | |
| MCO Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 2 | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

- Advanced Skills course should be selected in consultation with academic adviser.

Hide Course List(s)/Track Group(s)

| Statistics (CS) | Professional Program | Philosophy |
|---|---|---|
| JUS 302: Statistical Analysis for Justice Studies (CS) | JMC 475: TV Production and Graphics Lab | HON 171: The Human Event (L or HU) |
| SOC 390: Social Statistics I (CS) | JMC 476: Public Relations Laboratory | PHI 101: Introduction to Philosophy (HU) |
| STP 226: Elements of Statistics (CS) | JMC 477: New Media Innovation and Entrepreneurship Lab | PHI 103: Principles of Sound Reasoning (L or HU) |
| SWU 321: Statistics for Social Workers (CS) | JMC 478: Cronkite News: Los Angeles | PHI 105: Intro to Ethics (HU) |
| | JMC 478: Cronkite News: Phoenix Bureau | PHI 306: Applied Ethics (HU) |
| | JMC 479: Cronkite News: Washington Bureau | |
| | JMC 486: Digital Audiences Lab | |
| | JMC 487: Howard Center for Investigative Journalism | |
| U.S. History | Advanced Skills Courses | |
| HST 109: United States to 1865 ((HU or SB) & H) | JMC 320: Newscast Producing | |
| | JMC 330: Television Reporting | |

HST 314: American Cultural History Since 1865 ((HU or SB) & H)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 334: African American History Since 1865 ((HU or SB) & C & H)

HST 337: American Indian History to 1900 ((HU or SB) & C & H)

HST 338: American Indian History since 1900 ((HU or SB) & C & H)

JMC 351: Photojournalism I

JMC 412: Opinion Writing

JMC 413: Advanced Editing

JMC 414: Digital Graphic Design

JMC 415: Writing for Public Relations

JMC 421: Advanced Digital Storytelling

JMC 430: Sports Marketing and Campaigns

JMC 434: Advanced Bilingual Reporting

JMC 436: Public Relations Research

JMC 437: Documentary Production

JMC 440: Magazine Writing

JMC 441: Narrative Writing and Reporting.

JMC 442: Sports and Culture Commentary

JMC 451: Photojournalism II

JMC 453: Reporting on Business and the Economy

JMC 455: Digital Media Entrepreneurship

JMC 457: Advanced Radio Reporting

JMC 460: Advanced Online Media

JMC 465: Telling Stories with Data

JMC 470: Depth Reporting

JMC 475: TV Production and Graphics Lab

JMC 476: Public Relations Laboratory

JMC 477: New Media Innovation and Entrepreneurship Lab

JMC 478: Cronkite News: Los Angeles

JMC 478: Cronkite News - Phoenix

JMC 479: Cronkite News: Washington Bureau

JMC 486: Digital Audiences Lab

JMC 487: Howard Center for Investigative Journalism

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mass Communication and Media Studies, BA

School/College: Walter Cronkite School of Journalism and Mass Comm
Location: Downtown Phoenix
CSMCMSTBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO 120: Media and Society (SB) | 3 | C | • ASU 101-CS is required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-UC: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization.<br>• Create a first draft resume. |
| Historical Awareness (H) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Develop your skills. |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 13 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| MCO Elective | 3 | C | • Secure a part-time job or volunteer experience.<br>• Develop your professional online presence. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| **Term 5** 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Mass Communication Elective | 6 | C | • Thinking about graduate school? Consider registering for a grad school test prep course . |
| Global Awareness (G) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| **Term 6** 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Mass Communication Elective | 6 | C | • Use Handshake to research employment opportunities. |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7** 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Mass Communication Elective | 6 | C | • Gather professional references. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8** 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

Mass Communication Elective

MCO 302: Media Research Methods

- MCO 307: The Digital Audience
- MCO 335: Social Media Foundations
- MCO 366: Media Ethics and Diversity
- MCO 375: Podcasting
- MCO 403: Media Law
- MCO 418: History of Mass Communication (SB & H)
- MCO 425: Digital Media Literacy I
- MCO 426: Digital Media Literacy II
- MCO 427: Misinformation and Society
- MCO 428: Digital Media and Freedom of Expression in the 21st Century
- MCO 430: International Mass Communication (G)
- MCO 431: Media Entrepreneurship
- MCO 433: Social Media Campaigns, Engagement and Research
- MCO 434: Search Engine Research and Strategy
- MCO 438: Digital Audience Analysis
- MCO 450: Visual Communication (HU)
- MCO 456: Political Communication (SB)
- MCO 460: Race, Gender, and Media (C)
- MCO 465: Sports and Media
- MCO 470: Exploring the Business of Journalism
- MCO 473: Sex, Love, and Romance in the Mass Media (SB)
- MCO 484: Internship
- MCO 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120

**General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mass Communication and Media Studies, BA

School/College: Walter Cronkite School of Journalism and Mass Comm
Location: Online, ASU Local
CSMCMSTBA

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by ! | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ! MCO 120: Media and Society (SB) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by ! | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Historical Awareness (H) | 3 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| ! Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MCO Elective | 3 | C | |

| | | | |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Secure a volunteer experience. |
| Term hours subtotal: | 6 | | |

| Term 3 - B 31 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Mass Communication Elective | 3 | C | • Develop your career skills: practice interviews, resume building, career development, and more. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Mass Communication Elective | 3 | C | |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Mass Communication Elective | 3 | C | • Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 3 | C | • Gather professional references. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Mass Communication Elective | 3 | C | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

Mass Communication Elective

MCO 302: Media Research Methods

MCO 307: The Digital Audience

MCO 335: Social Media Foundations

MCO 366: Media Ethics and Diversity

MCO 403: Media Law

MCO 418: History of Mass Communication (SB & H)

MCO 425: Digital Media Literacy I

MCO 426: Digital Media Literacy II

MCO 427: Misinformation and Society

MCO 428: Digital Media and Freedom of Expression in the 21st Century

MCO 430: International Mass Communication (G)

MCO 431: Media Entrepreneurship

MCO 433: Social Media Campaigns, Engagement and Research

MCO 434: Search Engine Research and Strategy

MCO 438: Digital Audience Analysis

MCO 450: Visual Communication (HU)

MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)

MCO 465: Sports and Media

MCO 470: Exploring the Business of Journalism

MCO 473: Sex, Love, and Romance in the Mass Media (SB)

MCO 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sports Journalism, BA

School/College: Walter Cronkite School of Journalism and Mass Comm
Location: Downtown Phoenix
CSSPJBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JMC 101: Grammar for Journalists | 1 | B- | • ASU 101-CS is required of all first-year and transfer students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students should take a placement exam. |
| JMC 110: Principles and History of Journalism (SB) | 3 | C | |
| JMC 115: Diversity and Civility at Cronkite | 1 | C | |
| ASU 101-CS: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| JMC 102: Coding for Journalists | 1 | C | |
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | | |
| Mathematics (MA) | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students interested in Accelerated Master's Degrees should consult with their academic adviser. |
| JMC 201: News Reporting and Writing (L) | 3 | C | |
| JMC 306: Sports Multimedia Journalism | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Statistics Course AND Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 49 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JMC 302: Sports Reporting | 3 | C | |
| JMC 367: Ethics and Diversity in Sports Journalism | 3 | C | |

| | | |
|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB) | 3 | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 17 | |

- Students interested in Public Relations should contact their academic adviser to review course recommendations.
- Courses you are taking now will impact your eligibility for certain Professional Programs. Please consult with your academic adviser to make sure you are on the right track to achieve your goal.

| **Term 4 49 - 65 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| JMC 313: Introduction to Editing OR JMC 346: Sports Videography OR JMC 448: Non-Narrative Video Storytelling | 3 | C | |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | | |
| Related Area Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete JMC 201 AND JMC 302 course(s). | | | |
| Complete JMC 306 AND JMC 367 course(s). | | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

- Related Area courses must be approved by an academic adviser.
- Explore careers and internship opportunities through Cronkite Career Services.

| **Term 5 65 - 80 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| JMC 331: Television Sports Reporting OR JMC 430: Sports Marketing and Campaigns OR JMC 442: Sports and Culture Commentary | 3 | C | |
| JMC 474: Advanced Issues in 21st-Century Sports and Media | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.<br>AND<br>Global Awareness (G) | 4 | C | |
| Upper Division Literacy and Critical Inquiry (L) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 2 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

- Sports Advanced Skills course should be selected in consultation with academic adviser.
- Related Area courses must be approved by an academic adviser.
- Complete an in person or virtual practice interview.

| **Term 6 80 - 96 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| JMC 402: Mass Communication Law | 3 | C | |
| Upper Division Advanced Skills Course | 3 | C | |
| JMC 484: Internship | 3 | Y | |
| Related Area Course | 3 | C | |

- Advanced Skills course should be selected in consultation with academic adviser.
- Related Area courses must be approved by an academic adviser.

| | | |
|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s). | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

- Thinking about graduate school? Consider registering for a grad school test prep course.

| Term 7 96 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Sports Professional Program | 3 | C | |
| Philosophy Course AND Humanities, Arts and Design (HU) | 3 | | |
| Related Area Course | 3 | C | |
| JMC OR MCO Upper Division Elective | 3 | C | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

- Professional Programs require placement and can be completed in fall or spring. Consult with your academic adviser to review your eligibility for certain programs.
- Related Area courses must be approved by an academic adviser.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| JMC OR MCO Upper Division Elective | 3 | C | |
| MCO Upper Division Elective ( MCO 420 OR MCO 465 recommended) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| ★ Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

- Related Area courses must be approved by an academic adviser.
- Students interested in completing additional Professional Program credit can apply it toward their JMC or MCO Upper Division Elective. Consult with your academic adviser for more information.

- Advanced Skills course should be selected in consultation with academic advisor.

Hide Course List(s)/Track Group(s)

| Statistics (CS) |
|---|
| ECN 221: Business Statistics (CS) |
| JUS 302: Statistical Analysis for Justice Studies (CS) |
| PSY 230: Introduction to Statistics (CS) |
| SOC 390: Social Statistics I (CS) |
| STP 226: Elements of Statistics (CS) |
| SWU 321: Statistics for Social Workers (CS) |

| U.S. History |
|---|
| HST 109: United States to 1865 ((HU or SB) & H) |
| HST 314: American Cultural History Since 1865 ((HU or SB) & H) |

| Philosophy |
|---|
| HON 171: The Human Event (L or HU) |
| PHI 101: Introduction to Philosophy (HU) |
| PHI 103: Principles of Sound Reasoning (L or HU) |
| PHI 105: Intro to Ethics (HU) |
| PHI 306: Applied Ethics (HU) |

| Advanced Skills Courses |
|---|
| JMC 320: Newscast Producing |
| JMC 331: Television Sports Reporting |
| JMC 352: Sports Photojournalism |
| JMC 412: Opinion Writing |

| Sports Professional Program |
|---|
| JMC 476: Public Relations Laboratory |
| JMC 480: Cronkite News: Phoenix Sports Bureau |
| JMC 481: Cronkite News: Los Angeles Sports Bureau |
| JMC 486: Digital Audiences Lab |

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 334: African American History Since 1865 ((HU or SB) & C & H)

HST 337: American Indian History to 1900 ((HU or SB) & C & H)

HST 338: American Indian History since 1900 ((HU or SB) & C & H)

JMC 413: Advanced Editing

JMC 414: Digital Graphic Design

JMC 415: Writing for Public Relations

JMC 421: Advanced Digital Storytelling

JMC 430: Sports Marketing and Campaigns

JMC 434: Advanced Bilingual Reporting

JMC 436: Public Relations Research

JMC 437: Documentary Production

JMC 440: Magazine Writing

JMC 441: Narrative Writing and Reporting.

JMC 442: Sports and Culture Commentary

JMC 451: Photojournalism II

JMC 455: Digital Media Entrepreneurship

JMC 457: Advanced Radio Reporting

JMC 460: Advanced Online Media

JMC 465: Telling Stories with Data

JMC 470: Depth Reporting

JMC 476: Public Relations Laboratory

JMC 480: Cronkite News: Phoenix Sports Bureau

JMC 481: Cronkite News: Los Angeles Sports Bureau

JMC 486: Digital Audiences Lab

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Actuarial Science, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAACTBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CIS 105: Computer Applications and Information Technology (CS) OR CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• It is suggested that students complete both ECN 211 and 212 to satisfy the SB General Studies requirement as well as the VEE Requirement sequence for Economics by the Society of Actuaries (SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA).<br>• Select your career interest area and play me3@ASU. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | B | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Social-Behavioral Sciences (SB) ( ECN 211 OR ECN 212 recommended) | 3 | | |
| Maintain 3.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACT 201: Introduction to Elements and Techniques of Actuarial Science | 3 | C | • Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.<br>• It is suggested that students complete both ECN 211 and 212 to satisfy the SB General Studies requirement as well as the VEE Requirement sequence for Economics by the Society of Actuaries (SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA).<br>• COM 225 is recommended to satisfy the Literacy and Critical Inquiry ("L") General Studies requirement.<br>• Join Gamma Iota Sigma Kappa chapter. |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | B | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Literacy and Critical Inquiry (L) ( COM 225 recommended) | 3 | | |
| Social-Behavioral Sciences (SB) ( ECN 211 OR ECN 212 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 3.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | B | • Meet with your academic advisor to discuss summer internship and Research Opportunities for Undergraduates (REU).<br>• Options for the Science and Society electives are found at this website. |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 3.50 GPA in Critical Tracking Courses. | | | |
| | Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 343: Applied Linear Algebra | 3 | B | • Meet with your academic advisor to discuss options for adding a minor, certificate or concurrent major to your degree program.<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• Students seeking VEE accreditation should select an elective from the course list in the note at the bottom of the major map. For this term, ACC 231 counts towards the VEE requirement for Accounting and Finance. |
| MAT 300: Mathematical Structures (L) | 3 | C | |
| STP 420: Introductory Applied Statistics (CS) | 3 | B | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Maintain 3.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACT 301: Risk Management and Insurance (SB) | 3 | C | • Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• STP 421 may be taken in place of ACT 415.<br>• Students seeking VEE accreditation should select an elective from the course list in the note at the bottom of the major map. For this term, ACC 241 counts towards the VEE requirement for Accounting and Finance. |
| ACT 410: Mathematics of Finance | 3 | C | |
| ACT 415: Probability for Risk Management | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACT 370: Software Tools for Business Analytics | 3 | C | • Meet with a career counselor from ASU Career Services for a review of your resume and interviewing tips for success.<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• Options for the Science and Society electives are found at this website.<br>• STP 427 satisfies the VEE requirement for Mathematical Statistics by the Society of Actuaries (SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA).<br>• DAT 301 may be used in place of ACT 370. |
| STP 427: Mathematical Statistics | 3 | C | |
| Upper Division Risk Management Course | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ACT 435: Statistics for Risk Modeling | 3 | C | |

| | | | |
|---|---|---|---|
| ★ Upper Division Advanced Course | 3 | C | |
| ACT 440: Single Life Mortality OR ACT 450: Actuarial Models | 3 | C | |
| Upper Division Risk Management Course | 3 | C | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
- Develop your professional online presence.
- Students seeking VEE accreditation should select an elective from the course list in the note at the bottom of the major map. For this term, FIN 300 counts towards the VEE requirement for Accounting and Finance.

| **Term 8** 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ACT 420: Ratemaking and Reserving | 3 | C | • Meet with your academic advisor for final degree check and apply for graduation through your My ASU. |
| ★ ACT 441: Long-Term Actuarial Mathematics OR ACT 451: Short-Term Actuarial Mathematics | 3 | C | |
| ★ Upper Division Advanced Course | 3 | C | |
| ACT 440: Single Life Mortality OR ACT 450: Actuarial Models | 3 | C | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- The object of the degree is to prepare students to sit for exams to gain certification as an actuary. One of the optional certifications that individuals may pursue is completion of the VEE requirements from the Society of Actuaries or the Casualty Actuarial Society. This certification requires additional experience not covered in the maximum credits allowed for the degree.

  However, students may decide to include these additional courses in their 12 hours of elective credit. ASU courses that meet VEE requirements include:

  - STP 427 - requirement for Mathematical Statistics (Prerequisite(s): ACT 415 or STP 421 with C or better; STP 281 or 420 with C or better). This class is required for the degree and will not satisfy an elective. However, it is still a part of the overall VEE curriculum for the purposes of this list.
  - ECN 211 and ECN 212 - sequence requirement for Economics
  - FIN 300 - requirement for Fundamentals of Finance (Prerequisite(s) with C or better: ACC 231, 232 or 261; ECN 212; ECN 221, ECN 231, IEE 380 or STP 280; MAT 210, 251, 265 or 270; Non-Business: min 2.50 GPA; min 56 hours; Pre- or corequisite(s): ACC 241, 242 or 271; Credit allowed for only FIN 300, 302 or 303)

Hide Course List(s)/Track Group(s)

| Risk Management Courses | Advanced Courses |
| --- | --- |
| ACT 302: Fundamentals of Enterprise Risk Management | ACT 430: Mathematics of Financial Derivatives |
| ACT 320: Property and Casualty Insurance | ACT 441: Long-Term Actuarial Mathematics |
| ACT 330: Life and Health Insurance | ACT 451: Short-Term Actuarial Mathematics |
| ACT 484: Internship | ACT 455: Quantitative Risk Management |
| ACT 490: Emerging Risks | ACT 494: Machine Learning in Risk Management Applications |
| ACT 491: Actuarial Exam Preparation Seminar | ACT 494: Regression Modeling in Insurance |
| ACT 494: Communications for Business | |
| ACT 494: Organizational Behavior | |
| ACT 494: Report Writing | |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## African and African American Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAAFRBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR 200: Introduction to Africana Studies (SB & G & H) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Activate your Handshake account and build out your profile. |
| Related Area Courses | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR Elective | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR 300: Precolonial Africa (SB & G & H) | 3 | C | • Explore an internship |
| Upper Division Related Area Courses | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) | 3 | C | • Develop your professional online presence |
| AFR Upper Division Elective | 3 | C | |
| Upper Division Related Area Courses | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>AFR Upper Division Elective | 6 | C | |
| Upper Division Related Area Courses | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR 428: Critical Race Theory | 3 | C | • Gather professional references |
| Upper Division Related Area Courses | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective OR SST 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR 498: Pro-Seminar (L) | 3 | C | |
| AFR Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:* | | | |

| | | |
|---|---|---|
| Elective | | 6 |
| | Term hours subtotal: | 15 |

- Related Area Courses: To see a complete list of available courses, schedule an appointment with an advisor in the School of Social Transformation. The following is a sample of the courses that will qualify for these areas.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| AFR OR AMS OR APA OR JUS OR SST OR WST Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## African and African American Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAAFRBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| AFR 200: Introduction to Africana Studies (SB & G & H) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Activate your Handshake account and build our your profile. |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 23 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Courses | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 23 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 30 - 37 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| AFR Elective | 3 | C |
| Term hours subtotal: | 7 | |

| Term 3 - B 37 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 8 | | |

| Term 4 - A 45 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR 300: Precolonial Africa (SB & G & H) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 54 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Courses | 3 | C | • Explore an internship. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 60 - 67 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) | 3 | C | • Develop your professional online presence |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 67 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR Upper Division Elective | 3 | C | |
| Upper Division Related Area Courses | 3 | C | |
| Elective | 2 | | |
| Term hours subtotal: | 8 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>AFR Upper Division Elective | 6 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Upper Division Related Area Courses | 3 | C |
| Elective | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AFR 428: Critical Race Theory | 3 | C | • Gather professional references. |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Courses | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AFR 498: Pro-Seminar (L) | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AFR Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Related Area Courses: To see a complete list of available courses, schedule an appointment with an advisor in the School of Social Transformation. The following is a sample of the courses that will qualify for these areas.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| AFR OR AMS OR APA OR JUS OR SST OR WST Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that

guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## American Indian Studies, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAAISBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS 180: Introduction to American Indian Studies (C) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest and play me3@ASU |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS 280: American Indian Sovereignty and the Courts (H & C) | 3 | C | • Students are encouraged to consult with their academic advisor regarding the possibility of using elective hours toward completion of a certificate, minor or concurrent major that may complement the BS in American Indian Studies.<br>• Join a student club or professional organization |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS Emphasis Area Course | 3 | C | • Students are encouraged to take AIS 294: Readings and Writings in American Indian Studies as a prerequisite to success in upper-division courses in the major.<br>• Students should choose 18 hours in one of two emphasis areas shown in the track groups below. At least 12 hours must be taken at the upper-division level. Other courses in the AIS subject may be used toward the emphasis area with prior approval of the academic advisor. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS 285: Federal Indian Policy (H & C) | 3 | C | • Create a first draft resume. |
| AIS Emphasis Area Course | 3 | C | |
| Science and Society Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS 380: Contemporary Issues of American Indian Nations (C) | 3 | C | • AIS 380 is offered in Fall semesters only.<br>• Gather professional references. |
| Upper Division AIS Emphasis Area Course | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS 370: American Indian Languages and Cultures (C) | 3 | C | • AIS 370 is offered in Spring semesters only.<br>• Develop your professional online presence. |
| JUS 302: Statistical Analysis for Justice Studies (CS) | 3 | C | |
| Upper Division AIS Emphasis Area Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS 420: American Indian Studies Research Methods (L) | 3 | C | • For the Upper Division Emphasis Area Course: AIS 484 Internshipis strongly recommended in either term 7 or 8.<br>• Research employment opportunities.<br>• AIS 420 is offered in Fall semesters only. |
| Upper Division AIS Emphasis Area Course | 3 | C | |
| Upper Division Elective OR AIS 484: Internship | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS 498: Pro-Seminar (L) | 3 | C | • For the Upper Division Emphasis Area Course: AIS 484 Internship is strongly recommended in either term 7 or 8.<br>• AIS 498 is offered Spring semesters only. |
| Upper Division AIS Emphasis Area Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- Students must choose 18 credit hours in one of two emphasis areas shown in the track groups below. At least 12 credit hours must be taken at the upper-division level. Other courses in the AIS subject may be used toward the emphasis area with prior approval of the academic advisor.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Legal Policy, Community and Economic Development Emphasis Area |
|---|
| AIS 360: Issues in Urban Indian Country (C) |
| AIS 455: Human Rights and Cultural Resource Laws |
| AIS 470: Tribal Governance |
| AIS 480: Actualizing Decolonization (HU & C & G) |
| AIS 484: Internship |
| AIS 494: American Indian Rights |
| AIS 494: Crime in Indian Country |
| AIS 494: Indigenous Media and Image-Making |
| AIS 499: Individualized Instruction |

| Arts, Languages and Cultures Emphasis Area |
|---|
| AIS 101: Beginning Navajo I |
| AIS 102: Beginning Navajo II |
| AIS 201: Intermediate Navajo I |
| AIS 202: Intermediate Navajo II |
| AIS 320: American Indian Philosophies and World Views (HU & C) |
| AIS 360: Issues in Urban Indian Country (C) |
| AIS 365: American Indian and Indigenous Film |
| AIS 381: American Indian Women (C) |
| AIS 394: Reservation Economic Development |
| AIS 440: Cultural Professionalism (C) |
| AIS 480: Actualizing Decolonization (HU & C & G) |
| AIS 484: Internship |
| ENG 359: Indigenous American Literature ((L or HU) & C) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## American Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAAMRSTBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| APA 210: Introduction to Ethnic Studies in the U.S. (C) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMS 201: Introduction to American Studies (L & C) | 3 | C | • Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Politics, Policies, and Social Movements Course | 3 | C | • Explore an internship. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AFR 428: Critical Race Theory OR AMS 380: Race, Gender, and Class (SB & C) OR APA 352: Borders, Prisons and Suburbs (SB & C) OR TCL 303: Transborder Theory (SB) | 3 | C | • Develop your professional online presence. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SST 301: Mixed Research Methods for American Communities | 3 | C | |
| Upper Division U.S. Arts, Media, and Culture Course | 3 | C | |
| Diversity, Inequality, and Social Justice Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AMS 498: Pro-Seminar (L) OR SST 484: Internship OR SST 493: Honors Thesis OR SST 499: Individualized Instruction | 3 | C | • Gather professional references. |
| Upper Division Politics, Policies, and Social Movements Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Diversity, Inequality, and Social Justice Course | 3 | C | |
| Upper Division U.S. Arts, Media, and Culture Course | 3 | C | |

| | |
|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 |
| Term hours subtotal: | 15 |

Hide Course List(s)/Track Group(s)

| U.S. Arts, Media, and Culture Courses |
|---|
| AFR 351: Gender and Hip Hop |
| AMS 326: Popular Culture |
| AMS 336: The American Southwest in Literature and Film ((L or HU) & C) |
| AMS 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |
| AMS 420: Theatre in America (HU) |
| APA 310: Asian Pacific American Arts and Cultures (HU & C) |
| APA 315: Asian Pacific American Literature (HU & C) |
| APA 340: Asian Pacific Americans and Media (HU & C) |
| APA 345: Asian Pacific Americans and Film (HU & C & H) |
| TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) |
| TCL 471: Latinos In Hollywood (HU & C) |

| Politics, Policies, and Social Movements Courses |
|---|
| AFR 302: History of Black Women in America (SB & H) |
| AFR 330: Survey of African American Politics (SB & H) |
| AFR 365: Unruly Voices: Black Women and Cultural Narratives (HU & C) |
| AFR 465: Harlem Renaissance: a Cultural History: 1877-1945 |
| AIS 280: American Indian Sovereignty and the Courts (H & C) |
| AIS 285: Federal Indian Policy (H & C) |
| AMS 276: U.S. Women's Movements (H & C) |
| AMS 330: American Lives (HU & C) |
| AMS 412: Studies in American Politics and Law (H) |
| AMS 417: Religious Traditions of the American Southwest |
| AMS 428: Peoples and Cultures of the American West, to 1848 (SB & H) |
| JUS 235: Disability, Justice and Advocacy (C) |
| SST 294: Introduction to LGBTQ History and Culture |
| TCL 340: Chicana/o and Latina/o Politics and Policy (L & C) |
| TCL 377: Arizona, Immigration, Latinos and Politics |
| WST 377: History of American Feminist Thought (H & C) |

| Diversity, Inequality, and Social Justice Courses |
|---|
| AFR 317: Genes, Race and Society (SB & H & C) |
| AFR 460: Race, Gender, and Media (C) |
| AIS 180: Introduction to American Indian Studies (C) |
| AIS 360: Issues in Urban Indian Country (C) |
| AMS 332: Studies in Race and Ethnicity |
| AMS 334: Class in America (SB) |
| AMS 449: Hate Speech, Manifestos, and Radical Writings (SB & C) |
| AMS 450: Latina/os, Schooling and Social Inequality (C) |
| APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) |
| APA 350: Inequality and Diversity in Education (L & C) |
| APA 360: Asian Pacific American Experience |
| APA 450: Asian Pacific American Contemporary Issues (SB & C) |
| JUS 437: The Social Construction of Disability and Justice |
| WST 413: Queer Studies (HU & C) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Anthropology, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAASBBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) | 3-4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students must take ASB 102 and ASM 104. They will choose either ASB 222 or ASB 223.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14-15 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) | 3-4 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 2 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16-17 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) | 4-3 | C | • Secure a part-time job or volunteer experience.<br>• Develop your skills. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14-13 | | |

| **Term 4** 44 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 394: Statistics for Social Scientists OR ASM 463: A Practical Guide to Bayesian Data Analysis OR ASM 465: Quantification and Analysis for Anthropologists (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR SOC 390: Social Statistics I (CS) | 3 | C | • Explore an internship. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 2 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| **Term 5** 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Sociocultural Course | 3 | C | • Field school opportunities (archaeological and physical) can count toward major degree requirements. Talk with your advisor about available opportunities.<br>• Develop your professional online presence. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| **Term 6** 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Anthropology Practicum | 3 | C | • Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7** 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ Upper Division Physical/Evolutionary Anthropology Course | 3 | C | |
| ASB OR ASM Upper Division Elective | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- Gather professional references.
- Apply for full-time career opportunities.

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ ASB OR ASM Upper Division Elective | 3 | C | |
| Upper Division Archaeology Course | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Anthropology Practicum | Archaeology Courses | Physical/Evolutionary Anthropology Courses |
|---|---|---|
| ASB 302: Ethnographic Field Study ((L or SB) & G) | ASB 301: Global History of Health (SB & G & H) | ASB 301: Global History of Health (SB & G & H) |
| ASB 373: Applying Anthropology (L or SB) | ASB 326: Human Impacts on Ancient Environments (SB & H) | ASB 368: Hunter-Gatherers (SB) |
| ASB 389: Ethnographic Field Lab | ASB 330: Understanding Archaeology (SB) | ASB 394: Modeling Simulation Neglected Tropical Diseases |
| ASB 395: Topics in Comparative Culture (SB & G) | ASB 333: Frauds, Myths and Mysteries ((HU or SB) & G) | ASB 408: Advanced Evolutionary Medicine |
| ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) | ASB 335: Ancient Ruins of the Southwest (SB & H & C) | ASB 448: Maternal and Child Health or BIO 448: Maternal and Child Health |
| ASB 452: Community Partnerships for Global Health (SB) | ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H) | ASB 494: Applied Epidemiology |
| ASB 455: Practicum for Social Sciences (SB) | ASB 338: Archaeology of North America (SB) | ASB 494: Reproductive Ecology |
| ASB 484: Internship | ASB 361: Human Cultural Beginnings (H) | ASM 301: Peopling of the World (SB) |
| ASB 494: Access, Equity and Inclusion in Higher Education | ASB 362: People and Plants | ASM 313: Great Adaptations |
| ASB 499: Individualized Instruction | ASB 366: African Archaeology: Precolonial Urban Culture (SB & H) | ASM 332: Life and Death in Ancient Egypt |
| ASM 338: Anthropological Field Session | ASB 368: Hunter-Gatherers (SB) | ASM 338: Bioarchaeology and the Human Skeleton |
| ASM 338: Bioarchaeology and the Human Skeleton | ASB 490: Earliest Cities (SB & H) | ASM 341: Human Osteology |
| ASM 338: Field Archaeology & Geophysical Testing | ASM 338: Bioarchaeology and the Human Skeleton | ASM 342: Evolution of Human Behavior or BIO 327: Evolution of Human Behavior |
| ASM 341: Human Osteology | ASM 338: Field Archaeology & Geophysical Testing | ASM 344: Fossil Hominids |
| ASM 344: Fossil Hominids | ASM 350: Geoarchaeology | ASM 345: Disease and Human Evolution |
| ASM 365: Doing Archaeology | | ASM 394: Evolution and Medicine Visiting Speaker Recitation |
| | | ASM 401: Health and Human Biology |

- ASM 414: Urban, Environmental and Health Challenges (SB)
- ASM 443: Primatology
- ASM 452: Dental Anthropology (SG)

- ASM 365: Doing Archaeology
- ASM 450: Bioarchaeology (SB & G)

- ASM 403: Evolutionary Medicine and Global Health
- ASM 443: Primatology
- ASM 446: Principles of Human Genetics (L)
- ASM 450: Bioarchaeology (SB & G)
- ASM 452: Dental Anthropology (SG)
- ASM 456: Infectious Disease and Human Evolution
- ASM 459: Forensic Anthropology
- ASM 460: Human Growth and Development: An Evolutionary Perspective
- ASM 463: A Practical Guide to Bayesian Data Analysis
- ASM 465: Quantification and Analysis for Anthropologists (CS)
- ASM 466: The Evolution of Preindustrial Technology
- ASM 494: Evolution and Mental Disorders
- ASM 494: Models in Social Evolution
- ASM 494: Social Complexity

Sociocultural Courses

- ASB 300: Food and Culture ((L or SB) & C)
- ASB 302: Ethnographic Field Study ((L or SB) & G)
- ASB 305: Poverty and Global Health ((L or SB) & G)
- ASB 310: Precolonial Africa (SB & G & H)
- ASB 311: Principles of Social Anthropology (SB & G & H)
- ASB 316: Money and Culture (L or SB)
- ASB 319: The North American Indian
- ASB 322: Peoples of Latin America ((L or SB) & G)
- ASB 325: Peoples of Southeast Asia (G)
- ASB 327: Disaster! ((L or SB) & C)
- ASB 336: African Art (HU & G)
- ASB 339: Grassroots Social Movements (SB)
- ASB 340: Migration and Culture (SB & G)
- ASB 342: Mexico-U.S. Borderlands (SB & C)

- ASB 343: Latinas/os and the Environment
- ASB 344: Technology and Society (L or SB)
- ASB 345: Culture and Society Transformation (SB & G)
- ASB 346: Marriage and Family Diversity (SB & C)
- ASB 348: The Borders of Language (L)
- ASB 350: Anthropology and Art (HU)
- ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)
- ASB 355: Traditional Medicine and Healing (HU or SB)
- ASB 356: Central American Studies (SB & G)
- ASB 357: Society, Drugs and Health (SB & G)
- ASB 358: The Yoruba and the Atlantic World
- ASB 370: Ethics of Eating (L or SB) or SOS 370: Ethics of Eating (L or SB)
- ASB 371: Language Hegemony and Culture
- ASB 374: Cultures and Politics of the Internet (SB)
- ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G)
- ASB 376: Global Health Policy
- ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C)
- ASB 380: Language, Culture and Gender (SB)
- ASB 383: Religion and Sports (HU)
- ASB 389: Ethnographic Field Lab
- ASB 394: Statistics for Social Scientists
- ASB 395: Topics in Comparative Culture (SB & G)
- ASB 412: History of Anthropology (L or SB)
- ASB 417: Politics and Culture (L)
- ASB 421: Education and Society (SB)
- ASB 442: Global Cities (SB & G)
- ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G)
- ASB 452: Community Partnerships for Global Health (SB)
- ASB 455: Practicum for Social Sciences (SB)

ASB 457: Global Mental Health ((L or SB) & G)

ASB 462: Medical Anthropology: Culture and Health (SB & C)

ASB 463: Political Ecology of the Border (SB & G)

ASB 464: The Ethnography of Mexico and the Borderlands (SB & G)

ASB 466: Peoples and Cultures of Africa (SB & G)

ASB 494: Ethnography of Schooling in the Borderlands

ASB 494: Facing Immigration

ASM 414: Urban, Environmental and Health Challenges (SB)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Anthropology, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAASBBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) | 3-4 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• Select your career interest area and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7-8 | | |

| Term 1 - B 7 - 12 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 2 | | |
| Term hours subtotal: | 5 | | |

| Term 2 - A 12 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) | 3-4 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Create a first draft resume. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7-8 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • Mathematics Placement Assessment score determines placement in mathematics course.<br>• Network in your career interest area. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 34 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) | 4 | C | • Join a student club or professional organization. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 8 | | |

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 394: Statistics for Social Scientists OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | • Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.<br>• Secure a part-time job or volunteer experience. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 47 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 54 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Develop your skills. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Sociocultural Course | 3 | C | • Explore an internship. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 66 - 72 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | • Develop your professional online presence. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Anthropology Practicum | 3 | C | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • Research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Physical/Evolutionary Anthropology Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ASB OR ASM Upper Division Elective | 3 | C | • Complete an in person or virtual practice interview. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Archaeology Course | 3 | C | • Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ASB OR ASM Upper Division Elective | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| Anthropology Practicum |
| --- |
| ASB 373: Applying Anthropology (L or SB) |
| ASB 395: Topics in Comparative Culture (SB & G) |
| ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) |
| ASB 452: Community Partnerships for Global Health (SB) |
| ASB 455: Practicum for Social Sciences (SB) |
| ASB 484: Internship |
| ASB 499: Individualized Instruction |
| ASM 414: Urban, Environmental and Health Challenges (SB) |
| ASM 443: Primatology |

| Sociocultural Courses |
| --- |
| ASB 300: Food and Culture ((L or SB) & C) |
| ASB 305: Poverty and Global Health ((L or SB) & G) |
| ASB 316: Money and Culture (L or SB) |
| ASB 322: Peoples of Latin America ((L or SB) & G) |
| ASB 327: Disaster! ((L or SB) & C) |
| ASB 336: African Art (HU & G) |
| ASB 345: Culture and Society Transformation (SB & G) |
| ASB 350: Anthropology and Art (HU) |
| ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) |
| ASB 355: Traditional Medicine and Healing (HU or SB) |
| ASB 357: Society, Drugs and Health (SB & G) |
| ASB 370: Ethics of Eating (L or SB) or SOS 370: Ethics of Eating (L or SB) |
| ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G) |
| ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) |
| ASB 380: Language, Culture and Gender (SB) |
| ASB 395: Topics in Comparative Culture (SB & G) |

| Archaeology Courses |
| --- |
| ASB 301: Global History of Health (SB & G & H) |
| ASB 330: Understanding Archaeology (SB) |
| ASB 333: Frauds, Myths and Mysteries ((HU or SB) & G) |
| ASB 335: Ancient Ruins of the Southwest (SB & H & C) |
| ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) & G & H) |
| ASB 362: People and Plants |
| ASM 350: Geoarchaeology |
| ASM 450: Bioarchaeology (SB & G) |

| Physical/Evolutionary Anthropology Courses |
| --- |
| ASB 301: Global History of Health (SB & G & H) |
| ASB 408: Advanced Evolutionary Medicine |
| ASB 448: Maternal and Child Health |
| ASM 301: Peopling of the World (SB) |
| ASM 332: Life and Death in Ancient Egypt |
| ASM 345: Disease and Human Evolution |
| ASM 401: Health and Human Biology |
| ASM 403: Evolutionary Medicine and Global Health |
| ASM 443: Primatology |
| ASM 450: Bioarchaeology (SB & G) |

ASB 452: Community Partnerships for Global Health (SB)

ASB 455: Practicum for Social Sciences (SB)

ASB 457: Global Mental Health ((L or SB) & G)

ASB 462: Medical Anthropology: Culture and Health (SB & C)

ASB 466: Peoples and Cultures of Africa (SB & G)

ASM 414: Urban, Environmental and Health Challenges (SB)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Anthropology, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAASBBS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) | 3-4 | C | • Students who do not test into MAT 251 must take the math course they do place into in the first term. Do not take MAT 142, as it is not a prerequisite to MAT 251.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students must take ASB 102 and ASM 104. They will choose between ASB 222 and ASB 223.<br>• Select your career interest area and play me3@ASU.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 13-14 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) | 3-4 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16-17 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) | 4-3 | C | • Secure a part-time job or volunteer experience.<br>• Develop your skills. |

| | | |
|---|---|---|
| ASB OR ASM Elective | 3 | C |
| Cultural Diversity in the U.S. (C) | 3 | |
| *Complete 2 courses:*<br>Elective | 6 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | |
| Term hours subtotal: | 16-15 | |

| **Term 4 45 - 61 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Science and Society Elective | 3 | C | • Explore an internship. |
| ASB OR ASM Elective | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) ( ASM 275 recommended) | 4 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 61 - 76 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ASM 300: Anthropological Sciences Seminar | 3 | C | • Field school opportunities (archaeological or physical) can count toward major degree requirements. Talk to your advisor for available opportunities.<br>• Develop your professional online presence. |
| ASM Upper Division Elective | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 76 - 91 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ASB 394: Statistics for Social Scientists OR ASM 463: A Practical Guide to Bayesian Data Analysis OR ASM 465: Quantification and Analysis for Anthropologists (CS) OR BIO 415: Statistical Models for Biology (CS) OR SOC 390: Social Statistics I (CS) OR STP 420: Introductory Applied Statistics (CS) | 3 | C | • Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| ASB OR ASM Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 91 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ASM Upper Division Elective | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| ASB OR ASM Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR ASB 484: Internship | 3 | | |

| | | |
|---|---|---|
| Elective | 2 | |
| Term hours subtotal: | 14 | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* ASM Upper Division Elective | 6 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Anthropology, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAASBBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) | 3-4 | C | • Students who do not test into MAT 251 must take the math course they do place into in the first term. Do not take MAT 142, as it is not a prerequisite to MAT 251.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students must take ASB 102 and ASM 104. They will choose between ASB 222 and ASB 223.<br>• Select your career interest area and play me3@ASU.<br>• Create a first draft resume. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7-8 | | |

| Term 1 - B 7 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) | 4-3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 7-6 | | |

| Term 2 - A 14 - 21 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) | 3-4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7-8 | | |

| Term 2 - B 21 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAT 251: Calculus for Life Sciences (MA) | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | |
| Term hours subtotal: | 6 | |

- Mathematics Placement Assessment score determines placement in mathematics course.
- Network in your career interest area.

| Term 3 - A 27 - 34 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB OR ASM Elective | 3 | C | • Join a student club or professional organization. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) ( ASM 275 recommended) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 34 - 40 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB OR ASM Elective | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 40 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | • Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.<br>• Secure a part-time job or volunteer experience. |
| ASB OR ASM Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 46 - 52 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 52 - 58 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASM 300: Anthropological Sciences Seminar | 3 | C | • Field school opportunities (archaeological or physical) can count toward major degree requirements. Talk to your advisor for available opportunities.<br>• Develop your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 58 - 64 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 64 - 70 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ASB 394: Statistics for Social Scientists OR ASM 463: A Practical Guide to Bayesian Data Analysis OR ASM 465: Quantification and Analysis for Anthropologists (CS) OR BIO 415: Statistical Models for Biology (CS) OR SOC 390: Social Statistics I (CS) OR STP 420: Introductory Applied Statistics (CS) | 3-4 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6-7 | | |

| Term 6 - B 70 - 76 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB OR ASM Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 76 - 82 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ASM Upper Division Elective | 3 | C | • Research employment opportunities. |
| Upper Division Elective OR ASB 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 82 - 88 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 88 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ASM Upper Division Elective | 3 | C | • Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 94 - 100 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 100 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ASM Upper Division Elective | 3 | C | • Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 106 - 112 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 10 - A 112 - 118 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ASM Upper Division Elective | 3 | C | • Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 118 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 2 | | |
| Term hours subtotal: | 2 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Mathematics for the Life and Social Sciences, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAAMLBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Select your career interest area and play me3@ASU.<br>• Create a first draft resume. |
| BIO 181: General Biology I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| Minimum 2.00 GPA in STP and MAT. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming (CS) | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Use the SB course in this term as a prerequisite for upper-division work in the Social Science track. Recommended courses are found in the track list below.<br>• Join a student club or professional organization. |
| BIO 182: General Biology II (SG) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.00 GPA in STP and MAT. | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Secure a part-time job or volunteer experience.<br>• Develop your skills. |
| Science and Society Elective | 3 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA in STP and MAT. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AML 253: Introduction to Mathematical Tools and Modeling for the Life and Social Sciences | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Use the SB course in this term to complete a prerequisite for upper-division work in the Social Science track. Recommended courses are found in the track list below.<br>• Explore an internship. |
| MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA) | 3 | C | |
| STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA in STP and MAT. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Life Science Course | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Develop your professional online presence. |
| Upper Division Social Science Course | 3 | C | |
| STP 421: Probability | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA in STP and MAT. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | • Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Applied Mathematics Course | 3 | C | |
| Upper Division Life Science Course | 3 | C | |
| Upper Division Elective OR ASB 484: Internship | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.00 GPA in STP and MAT. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Applied Mathematics Course | 3 | C | • Gather professional references.<br>• Apply for full-time career opportunities. |
| Upper Division Social Science Course | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Minimum 2.00 GPA in STP and MAT. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AML 406: Directed Reading and Research in Applied Mathematics for the Life and Social Sciences | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Minimum 2.00 GPA in STP and MAT. | | | |
| Term hours subtotal: | 12 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Recommended SB Courses |
|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) |
| CDE 232: Human Development (SB) |
| JUS 105: Introduction to Justice Studies (SB) |
| POS 110: American Government and Politics (SB) |
| PSY 101: Introduction to Psychology (SB) |
| SOC 101: Introductory Sociology (SB) |

| Upper Division Life Science |
|---|
| AML 394: Modeling Simulation Neglected Tropical Diseases |
| ASB 363: From Cells to Society: Understanding Complexity or BIO 363: From Cells to Society: Understanding Complexity or SOS 363: From Cells to Society: Understanding Complexity |
| ASB 494: Applied Epidemiology |
| ASM 342: Evolution of Human Behavior or BIO 327: Evolution of Human Behavior |
| BIO 302: Cancer--Mother of All Diseases (L) |
| BIO 321: Introductory Ecology Laboratory |
| BIO 415: Statistical Models for Biology (CS) |
| BMI 465: Introduction to Comparative Genomics |
| HCD 300: Biostatistics (CS) or PBH 300: Biostatistics (CS) |
| SOS 424: Dynamic Modeling in Social and Ecological Systems |

| Upper Division Social Science |
|---|
| ASB 316: Money and Culture (L or SB) |
| ASB 394: Statistics for Social Scientists |
| ASM 345: Disease and Human Evolution |
| ASM 463: A Practical Guide to Bayesian Data Analysis |
| ASM 465: Quantification and Analysis for Anthropologists (CS) |
| GCU 351: Population Geography (SB & G) |
| GIS 461: Fundamentals of Spatial Optimization or PUP 481: Fundamentals of Spatial Optimization |
| JUS 301: Research in Justice Studies (SB) |
| JUS 302: Statistical Analysis for Justice Studies (CS) |
| POS 301: Empirical Political Inquiry (SB) or SGS 305: Empirical Political Inquiry (SB) |
| POS 401: Political Statistics (CS) or SGS 401: Political Statistics (CS) |
| POS 485: Political Economy (SB) |
| SOC 331: Environmental Sociology (SB & G) |
| SOC 390: Social Statistics I (CS) |
| SOC 391: Applied Research Methods (L or SB) |
| SOC 448: Epidemics and Society (SB & G) |

| Upper Division Applied Mathematics |
| --- |
| AML 441: Mathematical Concepts and Tools in Sustainability or SOS 441: Mathematical Concepts and Tools in Sustainability |
| AML 494: Modeling with Game Theory |
| MAT 300: Mathematical Structures (L) |
| MAT 343: Applied Linear Algebra |
| MAT 355: Introduction to Computational Molecular Biology (CS) or BIO 355: Introduction to Computational Molecular Biology (CS) |
| MAT 371: Advanced Calculus I |
| MAT 394: Forensic DNA Analysis |
| MAT 421: Applied Computational Methods (CS) |
| MAT 451: Mathematical Modeling (CS) |
| MAT 494: Big Data and Mathematical Modelling |
| MAT 494: Data Analysis in Neuroscience |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Asia Studies, BA

School/College: The College of Liberal Arts and Sciences
LAASIABA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 111: Introduction to Asia (HU & H & G) OR REL 111: Introduction to Asia (HU & H & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.<br>• Credit hours for second language courses will vary depending on the language chosen.<br>• Students choosing one of the specialized tracks are strongly encouraged to study a language that is highly relevant to that particular country or region. See notes at bottom of the major map for guidance.<br>• Select your Career Interest Communities and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of Arabic, Chinese, French, Hindi, Indonesian, Japanese, Korean, Portuguese, Spanish, Thai or Vietnamese language course at the intermediate level (202 or equivalent). Students who are already proficient in one of these languages, or another language relevant to the study of Asia, such as Dutch, Tagalog or Urdu, may take a proficiency exam. | 4-5 | C | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 14-15 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Select a course from the Across Asia list at the bottom of the major map.<br>• Except for courses marked "critical" or "necessary," the sequence of required and elective courses will vary with each student according to individual choices and the schedule of classes.<br>• Eligible students are encouraged to apply for a Foreign Language and Area Studies (FLAS) award. Awards include: academic year FLAS Fellowship and summer FLAS Awards .<br>• Join a student club or professional organization.<br>• If interested in law school, review the Pre-Law at ASU website. |
| Across Asia Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of Arabic, Chinese, French, Hindi, Indonesian, Japanese, Korean, Portuguese, Spanish, Thai or Vietnamese language course at the intermediate level (202 or equivalent). Students who are already proficient in one of these languages, or another language relevant to the study of Asia, such as Dutch, Tagalog or Urdu, may take a proficiency exam. | 4-5 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 14-15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 28 - 45 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Asia Track Elective | 3 | C | • See Asia Track Elective lists below. The six tracks are Asia in a Global World (intended for generalists who do not wish to focus on one particular country or region) and China, Japan, Korea, Southeast Asia, and South Asia (intended for those who wish to specialize). Students wishing to specialize should complete at least 12 credit hours from the chosen track.<br>• Credit hours for second language courses will vary depending on the language chosen. Students taking language courses worth 5 credits will not need as many elective hours.<br>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.<br>• Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.<br>• Explore opportunities to study abroad. |
| Second Language: Requirement satisfied through the following:<br>* Completion of Arabic, Chinese, French, Hindi, Indonesian, Japanese, Korean, Portuguese, Spanish, Thai or Vietnamese language course at the intermediate level (202 or equivalent). Students who are already proficient in one of these languages, or another language relevant to the study of Asia, such as Dutch, Tagalog or Urdu, may take a proficiency exam. | 4-5 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 4-1 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 17-15 | | |

| Term 4 45 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Across Asia Course | 3 | C | • See the Across Asia Course list and Asia Track Elective lists at the bottom of the major map.<br>• Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.<br>• If interested in law school, make an appointment with the pre-law advisor. |
| Asia Track Elective | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of Arabic, Chinese, French, Hindi, Indonesian, Japanese, Korean, Portuguese, Spanish, Thai or Vietnamese language course at the intermediate level (202 or equivalent). Students who are already proficient in one of these languages, or another language relevant to the study of Asia, such as Dutch, Tagalog or Urdu, may take a proficiency exam. | 4-5 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 14-15 | | |

| Term 5 59 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Asia Track Elective | 6 | C | • See the Across Asia Course list and Asia Track Elective lists at the bottom of the major map.<br>• Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab. |
| Upper Division Across Asia Course | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 74 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Asia Track Elective | 6 | C | • See the Asia Track Elective lists at the bottom of the major map.<br>• Explore graduate school opportunities. |

| | | |
|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | |
| Upper Division Elective OR HST 484: Internship | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

- If planning on law school, prepare to take the LSAT.
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.

| Term 7 89 - 104 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 3 courses:* Upper Division Asia Track Elective | 9 | C | • See the Asia Track Elective lists at the bottom of the major map.<br>• Use Handshake to research employment opportunities.<br>• Attend career fairs, workshops and related events offered by Career and Professional Development Services. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HST 496: South, Southeast, and East Asia in the Global Matrix | 3 | C | • HST 496 is the required capstone course for the major and is only offered in spring terms.<br>• See the Asia Track Elective lists at the bottom of the major map.<br>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.<br>• Apply for career opportunities. |
| ★ Upper Division Asia Track Elective | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 4-3 | | |
| Term hours subtotal: | 16-15 | | |

- For the Asia Track Electives, students may choose any combination of courses from six different track lists, so long as at least 24 hours are upper division. The six Asia tracks are: 1) China, 2) Japan, 3) Korea, 4) South Asia, 5) Southeast Asia, and 6) Asia in a Global World. Students who wish to specialize in a particular country or region are strongly encouraged to complete at least 12 credits from that track. The "Asia in a Global World" track is designed for students who wish to take a variety of courses from different regions without focusing on one particular country or region.
- Students choosing one of the specialized tracks are strongly encouraged to study a language that is highly relevant to that particular country or region. The following languages are encouraged for each specialized track focus area:

  China: Chinese, Portuguese, Japanese, Korean, Dutch (by proficiency exam)
  Japan: Japanese, Chinese, Portuguese, Korean, Dutch (by proficiency exam)
  Korea: Korean, Chinese, Portuguese, Japanese, Indonesian, Thai, Vietnamese
  South Asia: Hindi, Arabic, Portuguese, French, Urdu (by proficiency exam), Dutch (by proficiency exam)
  Southeast Asia: Indonesian, Thai, Vietnamese, French, Spanish, Portuguese, Chinese, Japanese, Dutch (by proficiency exam), Tagalog (by proficiency exam)

Hide Course List(s)/Track Group(s)

| Across Asia | Asia Track Electives - China | Asia Track Electives - Japan |
|---|---|---|
| ARS 201: Art of Asia (HU & H & G) | ARS 394: Modern and Contemporary Chinese Art | ARS 394: Anime |
| CEL 494: Political Thought: Islam, Hinduism, Confucianism | ARS 472: Art of China (HU) | ARS 473: Art of Japan (HU) |
| GCU 326: Geography of Asia (SB & G) | ARS 475: Chinese Painting (HU) | ENG 466: Studio Ghibli Films |

HST 106: Asian Civilizations ((HU or SB) & G & H)

HST 303: ASIA: Women in Asia

HST 303: Cold War Asia

HST 303: Democracy in Asia

HST 303: Empires in Asia

HST 303: Film and Politics in Colonial Asia

HST 303: WWII in Asia: Cultures of War

POS 468: Comparative Asian Foreign Policies (SB & G)

REL 345: Asian Religious Traditions (HU & G)

REL 350: Hinduism ((L or HU) & G)

REL 351: Buddhism ((L or HU) & G)

REL 363: Islam and World Affairs (G) or AFR 373: Islam and World Affairs (G)

REL 365: Islamic Civilization (HU & H) or HST 336: Islamic Civilization (HU & H)

REL 366: Islam in the Modern World (HU & G) or HST 339: Islam in the Modern World (HU & G)

REL 396: Islam and Politics (HU & G) or HST 396: Islam and Politics

REL 494: Rituals in History, Politics and Religion

CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)

CHI 307: Introduction to Literary Chinese I (HU)

CHI 308: Classical Chinese II (HU)

CHI 321: Power and Poetry: Classical Chinese Literature in Translation (HU)

CHI 322: Self, Society and the Drive for Modernity: Classical Chinese Literature in Translation (HU & G)

CHI 345: Chinese Film and Civilization

CHI 348: Pathways into Chinese Culture

CHI 394: Labor & the Environment in Chinese Writing

CHI 470: Modern Chinese Literature and Culture

DCE 116: T'ai Chi Chuan I

DCE 194: Intro to Chinese Classical Dance

DCE 216: T'ai Chi Ch'uan II

GCU 432: Geography of China (SB & G)

HST 303: China,Japan & East Asia in World History

HST 303: The Family in Modern China

HST 303: History of Modern China: From Taiping to Tiananmen

HST 303: Modern China: Personal Narratives and Histories

HST 303: Modern China: Violence

HST 383: China (SB & H) or CHI 333: China (SB & H) or SLC 333: China (SB & H)

HST 384: Modern China: 1700 to the Present (SB & G & H) or SLC 334: Modern China: 1700 to the Present (SB & G & H)

HST 386: Interpreting China's Classics ((L or HU) & H) or CHI 336: Interpreting China's Classics ((L or HU) & H) or SLC 336: Interpreting China's Classics ((L or HU) & H)

HST 451: Chinese Cultural History I ((HU or SB) & H) or CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB & G & H) or CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)

HST 108: Introduction to Japan (SB & G & H)

HST 303: China,Japan & East Asia in World History

HST 303: Premodern Japan

HST 303: The Rise of Modern Japan

HST 303: WWII in Asia: Cultures of War

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and Values/Premod

JPN 115: Japanese Popular Culture: Anime, Manga and Film (G) or SLC 115: Japanese Popular Culture: Anime, Manga and Film (G)

JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G)

JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G)

JPN 333: Japanese Civilization from the Ice Age to Last Thursday

JPN 354: Zen and Japanese Culture or SLC 354: Zen and Japanese Culture

JPN 355: Religious Practice of People in Modern Japan (HU & G) or SLC 355: Religious Practice of People in Modern Japan (HU & G)

JPN 367: Religion, Philosophy and Culture in Japan or REL 367: Religion, Philosophy and Culture in Japan or SLC 367: Religion, Philosophy and Culture in Japan

JPN 370: Japanese Aesthetics: Art and Beauty in Japan or SLC 370: Japanese Aesthetics: Art and Beauty in Japan

JPN 394: Anime, Manga, and Religion in Japan or SLC 394: Anime, Manga, and Religion in Japan

JPN 401: Reading Modern Japanese Texts ((L or HU) & G)

JPN 414: Introduction to Classical Japanese

JPN 415: Advanced Classical Japanese

JPN 430: Buddhist Meditation in East Asia (HU & G) or SLC 430: Buddhist Meditation in East Asia (HU & G)

JPN 445: Readings in Modern Japanese Letters and Culture

JPN 485: Japanese Literature and the Art of Translation

POS 452: China (SB & G)

REL 338: Daode Jing: Way to the West (L or HU) or CHI 338: Daode Jing: Way to the West (L or HU)

REL 343: Daoism ((L or HU) & G & H) or CHI 343: Daoism ((L or HU) & G & H)

REL 346: Chinese Religions (HU & G) or CHI 346: Chinese Religions (HU & G)

REL 396: Islam and Politics (HU & G) or HST 396: Islam and Politics

SLC 498: Chinese Flagship

JPN 494: The Art of the Ninja or SLC 494: The Art of the Ninja

REL 344: Religion and Values in Japanese Life (HU & G)

REL 355: Japanese Cities and Cultures to 1800 (HU)

SLC 421: Japanese Literature in Translation

Asia Track Electives - Korea

KOR 250: Korean Culture and Society (HU & G)

KOR 321: Modern Korean Literature (HU) or SLC 321: Modern Korean Literature (HU)

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

KOR 375: Intercultural Communication in Korea (SB & G) or SLC 375: Intercultural Communication in Korea (SB & G)

KOR 415: Korean Popular Culture (HU & G) or SLC 415: Korean Popular Culture (HU & G)

KOR 420: Emotions Across Languages, Cultures and History (HU & G) or SLC 420: Emotions Across Languages, Cultures and History (HU & G)

KOR 457: Premodern Korea in a Global Context (HU) or SLC 457: Premodern Korea in a Global Context (HU)

REL 354: Religions of Korea (HU) or KOR 354: Religions of Korea (HU)

Asia Track Electives - South Asia

ARS 444: Films of India or FMS 426: Films of India

DCE 114: Dances of India I

HST 245: Introduction to India and South Asia (HU & H & G) or POS 245: Introduction to India and South Asia (HU & H & G) or REL 245: Introduction to India and South Asia (HU & H & G) or SGS 245: Introduction to India and South Asia (HU & H & G) or SLC 245: Introduction to India and South Asia (HU & H & G)

HST 392: Modern India

HST 394: Pakistan, India, and Afghanistan: Peace Challenges

HST 459: Gandhi and the Politics of Nonviolence

POS 357: South Asia Politics (SB & G)

REL 347: Religions of India ((L or HU) & G)

REL 350: Hinduism ((L or HU) & G)

REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)

REL 394: Art & Religion in Jain Culture

REL 396: Islam and Politics (HU & G) or HST 396: Islam and Politics

Asia Track Electives - Southeast Asia

ASB 325: Peoples of Southeast Asia (G)

GCU 433: Geography of Southeast Asia

HST 240: Introduction to Southeast Asia ((HU or SB) & G) or GCU 240: Introduction to Southeast Asia ((HU or SB) & G) or POS 240: Introduction to Southeast Asia ((HU or SB) & G) or REL 240: Introduction to Southeast Asia ((HU or SB) & G) or SGS 240: Introduction to Southeast Asia ((HU or SB) & G)

HST 303: The Colonial World of Southeast Asia

HST 303: Film and Politics in Colonial Asia

HST 391: Modern Southeast Asia (SB & G & H) or SGS 381: Modern Southeast Asia (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

MUP 489: Gamelan

POS 358: Southeast Asia (SB & G)

POS 468: Comparative Asian Foreign Policies (SB & G)

REL 348: Religion and Culture in Southeast Asia

REL 352: Modern Buddhism

REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)

REL 396: Islam and Politics (HU & G) or HST 396: Islam and Politics

SLC 494: Religions and Conflicts in Southeast Asia

Asia Track Electives: Asia in a Global World

This track includes all courses on the China, Japan, Korea, South Asia, and Southeast Asia track elective lists. Students in this track do not focus on a specific region and may

select a broad combination of courses across the geographical region. At least 24 hours must be upper-divison.

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Asian Languages (Chinese), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACHIBA

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement: Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a language placement test.<br>• Students may opt to take CHI 110 Intensive Chinese I (8 credit course equivalent to CHI 101 and CHI 102) in Term 1.<br>• Learn about the Chinese Language Flagship Program.<br>• Engage in Chinese at ASU. Come to the SILC Cafe. |
| CHI 101: First-Year Chinese I (G) | 5 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 102: First-Year Chinese II (G) | 5 | C | • Students interested in the Chinese Flagship Program should meet with a Flagship representative.<br>• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.<br>• Attend a Financing Your Study Abroad Program Workshop.<br>• Join a student club or professional organization.<br>• Students who have taken CHI 110 may take CHI 210 Intensive Chinese II (8 credit intensive course equivalent to CHI 201 and CHI 202) in Term 2. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Elective | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 201: Second-Year Chinese I (G) | 5 | C | • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | • Learn about language-specific scholarship opportunities.<br>• Learn about internships for language and culture majors. |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 12 | | |

| Term 4 42 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 202: Second-Year Chinese II (G) | 5 | C | • A Chinese Flagship representative can provide you information about opportunities available to students in the program.<br>• Explore your career interest area.<br>• Learn about research opportunities through the ASU Humanities Lab. |
| Historical Awareness (H) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 18 | | |

| Term 5 60 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 301: Third-Year Chinese I (G) | 5 | C | • Minimum grade of "C" required in all CHI, SLC and East-Asian Related Fields courses.<br>• Learn about national scholarships, fellowships and research opportunities. |
| CHI 307: Introduction to Literary Chinese I (HU) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 6 74 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 302: Third-Year Chinese II (G) | 5 | C | • Minimum grade of "C" required in all CHI, SLC and East-Asian Related Fields courses.<br>• Enroll in listed courses or in a School of International Letters and Cultures recommended program abroad.<br>• Use Handshake to research employment opportunities. |
| Chinese Electives | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 401: Fourth-Year Chinese I (G) | 3 | C | • Minimum grade of "C" required in all CHI, SLC and East-Asian Related Fields courses.<br>• Attend an ASU Career and Professional Development Services workshop or Job Fair. |
| *Complete 2 courses:*<br>Upper Division Chinese Elective | 6 | C | |
| Upper Division Elective | 3 | | |
| Upper Division Elective OR SLC 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 402: Fourth-Year Chinese II (G) | 3 | C | • Minimum grade of "C" required in all CHI, SLC and East-Asian Related Fields courses.<br>• Apply for full-time career opportunities. |
| Chinese Electives | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | | 6 |
| | Term hours subtotal: | 15 |

Hide Course List(s)/Track Group(s)

Chinese Electives

- ARS 201: Art of Asia (HU & H & G)
- ARS 472: Art of China (HU)
- ARS 475: Chinese Painting (HU)
- CHI 294: Chinese Ghost Stories
- CHI 308: Introduction to Literary Chinese II (HU)
- CHI 321: Chinese Literature (HU)
- CHI 322: Chinese Literature (HU & G)
- CHI 336: Interpreting China's Classics ((L or HU) & H)
- CHI 338: Daode Jing: Way to the West (L or HU)
- CHI 343: Daoism ((L or HU) & G & H)
- CHI 348: Pathways into Chinese Culture
- CHI 380: The Chinese Language
- CHI 394: How to Become Emperor
- CHI 394: Labor & the Environment in Chinese Writing
- CHI 401: Fourth-Year Chinese I (G)
- CHI 407: Chinese for Academic and Professional Purposes I (G)
- CHI 408: Chinese for Academic and Professional Purposes II (G)
- CHI 470: Modern Chinese Literature and Culture
- CHI 482: History of the Chinese Language
- CHI 494: Buddhist Poetry
- HST 384: Modern China: 1700 to the Present (SB & G & H)
- REL 345: Asian Religious Traditions (HU & G)
- REL 351: Buddhism ((L or HU) & G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Asian Languages (Chinese) - Chinese Flagship, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACHIBA

| Term 1 0 - 12 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 101: First-Year Chinese I (G) | 5-8 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Learn about Chinese intensive language courses. Students may opt to take CHI 110 (8 credit course equivalent to CHI 101 and CHI 102) in Term 1.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Engage in Chinese at ASU. Practice your language skills at the SILC Cafe. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 12-15 | | |

| Term 2 12 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 102: First-Year Chinese II (G) | 5-8 | C | • Newly accepted Flagship students should schedule a meeting with an academic advisor and a Flagship coordinator to create a semester-by-semester plan of study for all required courses for graduation.<br>• Create a Handshake account and explore your career interest area.<br>• Attend a Financing Your Study Abroad Program workshop.<br>• Students who have taken CHI 110 may opt to take CHI 210 (equivalent to CHI 201 and CHI 202) in Term 2. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15-18 | | |

| Summer 2 Session 1 27 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 201: Second-Year Chinese I (G) | 5-8 | C | • To remain on track for graduation, Flagship students are expected to participate in a Flagship domestic or abroad approved language program in Summer 2. |
| Term hours subtotal: | 5-8 | | |

| Summer 2 Session 2 32 - 37 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 202: Second-Year Chinese II (G) | 5-8 | C | • To remain on track for graduation, Flagship students are expected to participate in a Flagship approved language program away from ASU in Summer 2. |
| Term hours subtotal: | 5-8 | | |

| Term 3 37 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 301: Third-Year Chinese I (G) | 5 | C | • Flagship students should schedule a meeting with an academic advisor and a Flagship coordinator to create a semester-by-semester plan of study for all required courses for graduation.<br>• Learn about research opportunities through the ASU Humanities Lab. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 51 - 66 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 302: Third-Year Chinese II (G) | 5 | C | • Learn about internships, scholarships and awards for language majors.<br>• Flagship students may participate in a Flagship approved language program away from ASU in the summer between Terms 4 and 5. |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 66 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 307: Introduction to Literary Chinese I (HU) or CHI 308: Introduction to Literary Chinese II (HU) | 3 | | • Enroll in Study Abroad Program credits or listed courses.<br>• China Related Content Courses must be taught in Chinese. Consult your academic advisor or Flagship coordinator when choosing your content courses.<br>• Develop your professional online presence. |
| CHI 401: Fourth-Year Chinese I (G) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

| Term 6 78 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 348: Pathways into Chinese Culture | 3 | C | • Enroll in Study Abroad Program credits or listed courses.<br>• Learn about national scholarships, fellowships, and research opportunities through the Humanities Lab.<br>• Attend an ASU Career and Professional Development Services workshop or job fair.<br>• Use Handshake to research employment opportunities |
| CHI 402: Fourth-Year Chinese II (G) | 3 | C | |
| CHI 380: The Chinese Language | 3 | C | |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 92 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 407: Chinese for Academic and Professional Purposes I (G) | 3 | C | • All Flagship students must spend their final terms 7 and 8 in China for their capstone year abroad participating in a Flagship approved program at National Taiwan University or Nanjing University.<br>• China related content courses must be taught in Chinese.<br>• Gather professional references. |
| Upper Division China Related Content Courses | 3 | C | |
| Upper Division Chinese Literature and Linguistics Course | 3 | C | |
| *Complete 2 courses:*<br>Elective | 7 | | |
| Term hours subtotal: | 16 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHI 408: Chinese for Academic and Professional Purposes II (G) | 3 | C | • All Flagship students must spend their final terms 7 and 8 in China for their capstone year abroad participating in a Flagship approved program at National Taiwan University or Nanjing University. |
| CHI 470: Modern Chinese Literature and Culture | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective OR SLC 484: Internship | 3 | | |
| Term hours subtotal: | 12 | | |

- Flagship students are required to complete two China Related Area "Content Courses" taught in the Chinese language. Students are required to take a one-credit Chinese Writing Module to accompany China Related Area "Content Courses" that are taught in English. See department advisor or Flagship program director for additional course offerings.

Hide Course List(s)/Track Group(s)

| Upper-Division China Related Content Courses |
|---|
| ARS 472: Art of China (HU) |
| CHI 307: Introduction to Literary Chinese I (HU) |
| CHI 308: Introduction to Literary Chinese II (HU) |
| CHI 321: Chinese Literature (HU) |
| CHI 322: Chinese Literature (HU & G) |
| CHI 336: Interpreting China's Classics ((L or HU) & H) or SLC 336: Interpreting China's Classics ((L or HU) & H) |
| CHI 338: Daode Jing: Way to the West (L or HU) |
| CHI 343: Daoism ((L or HU) & G & H) or REL 343: Daoism ((L or HU) & G & H) |
| CHI 394: How to Become Emperor |
| CHI 394: Labor & the Environment in Chinese Writing |

| Chinese Literature and Linguistics Courses |
|---|
| CHI 321: Chinese Literature (HU) |
| CHI 322: Chinese Literature (HU & G) |
| CHI 336: Interpreting China's Classics ((L or HU) & H) |
| CHI 338: Daode Jing: Way to the West (L or HU) |
| CHI 451: Chinese Cultural History I ((HU or SB) & H) |
| CHI 452: Chinese Cultural History II (SB & G & H) |
| CHI 482: History of the Chinese Language |

CHI 451: Chinese Cultural History I ((HU or SB) & H)

CHI 452: Chinese Cultural History II (SB & G & H)

CHI 482: History of the Chinese Language

HST 384: Modern China: 1700 to the Present (SB & G & H)

REL 345: Asian Religious Traditions (HU & G)

REL 351: Buddhism ((L or HU) & G)

SLC 484: Internship

SLC 498: Pro-Seminar

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Asian Languages (Japanese), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAJPNBA

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.<br>• Learn about Japanese intensive language courses. Students may opt to take JPN 110 Intensive Japanese I (8 credit course equivalent to JPN 101 and JPN 102) in Term 1.<br>• Engage in Japanese at ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| JPN 101: First-Year Japanese I (G) | 5 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Start planning your study abroad experience. Meet with a SILC advisor to learn about major-specific study abroad programs in Japan .<br>• Attend a Financing Your Study Abroad Program Workshop.<br>• Explore your career interest area.<br>• Students may opt to take JPN 210 Intensive Japanese II (8 credit course equivalent to JPN 201 and JPN 202) in Term 2 if credit has been earned in JPN 110 or JPN 102. |
| JPN 102: First-Year Japanese II (G) | 5 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Elective | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JPN 201: Second-Year Japanese I (G) | 5 | C | • Develop your skills.<br>• Learn about research opportunities through the ASU Humanities Lab. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | |
| Term hours subtotal: | 15 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JPN 202: Second-Year Japanese II (G) | 5 | C | • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JPN 301: Third-Year Japanese I (G) | 3 | C | • Enroll in listed courses or participate in a School of International Letters and Cultures endorsed program abroad for your major.<br>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.<br>• Learn about internship, scholarship and award opportunities for language and culture majors. |
| SLC 421: Japanese Literature in Translation | 3 | C | |
| Related Area Course | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JPN 302: Third-Year Japanese II (G) | 3 | C+ | • Enroll in listed courses or participate in a School of International Letters and Cultures endorsed program abroad for your major.<br>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.<br>• Learn about national scholarships, fellowships, and research opportunities.<br>• Use Handshake to research employment opportunities. |
| JPN 333: Japanese Civilization from the Ice Age to Last Thursday | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JPN 401: Reading Modern Japanese Texts ((L or HU) & G) | 3 | C | • Learn about internship opportunities in Japanese<br>• Gather professional references |
| JPN 414: Introduction to Classical Japanese | 3 | C | |
| Upper Division JPN Restricted Electives | 3 | C | |
| Upper Division Elective OR JPN 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 4** (400-Level) Japanese Elective | 3 | C | |

| | | | |
|---|---|---|---|
| Upper Division JPN Restricted Electives | 3 | C | • Attend a Career Services workshop or Job Fair. |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Upper Division JPN Restricted Electives | Related Area Courses | 400-Level Japanese Elective |
|---|---|---|
| JPN 309: Japanese Oral Communication I | ARS 472: Art of China (HU) | JPN 415: Advanced Classical Japanese |
| JPN 310: Japanese Oral Communication II | ARS 473: Art of Japan (HU) | JPN 430: Buddhist Meditation in East Asia (HU & G) |
| JPN 311: Japanese Composition I (G) | ARS 475: Chinese Painting (HU) | JPN 445: Readings in Modern Japanese Letters and Culture |
| JPN 354: Zen and Japanese Culture | CHI 120: Introduction to Chinese Culture (L or HU) | JPN 484: Internship |
| JPN 355: Religious Practice of People in Modern Japan (HU & G) | CHI 333: China (SB & H) | JPN 485: Japanese Literature and the Art of Translation |
| JPN 394: Special Topics | CHI 336: Interpreting China's Classics ((L or HU) & H) | JPN 493: Honors Thesis (L) |
| JPN 415: Advanced Classical Japanese | CHI 338: Daode Jing: Way to the West (L or HU) | JPN 494: Special Topics |
| JPN 430: Buddhist Meditation in East Asia (HU & G) | CHI 343: Daoism ((L or HU) & G & H) | JPN 499: Individualized Instruction |
| JPN 445: Readings in Modern Japanese Letters and Culture | CHI 345: Chinese Film and Civilization | |
| JPN 485: Japanese Literature and the Art of Translation | CHI 451: Chinese Cultural History I ((HU or SB) & H) | |
| JPN 492: Honors Directed Study | CHI 452: Chinese Cultural History II (SB & G & H) | |
| JPN 493: Honors Thesis (L) | GCU 326: Geography of Asia (SB & G) | |
| JPN 494: Special Topics | GCU 432: Geography of China (SB & G) | |
| JPN 499: Individualized Instruction | HST 106: Asian Civilizations ((HU or SB) & G & H) | |
| | HST 387: Japan ((L or SB) & H) | |
| | HST 389: Japan Society and Values/Premod | |
| | KOR 250: Korean Culture and Society (HU & G) | |
| | KOR 321: Modern Korean Literature (HU) | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Asian Pacific American Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAAPABA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Activate your Handshake account and build out your profile. |
| Related Area Courses | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| APA Elective | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |

| | | |
|---|---|---|
| Social-Behavioral Sciences (SB) | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| APA 360: Asian Pacific American Experience | 3 | C | • Explore an internship |
| Related Area Courses | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| APA 450: Asian Pacific American Contemporary Issues (SB & C) | 3 | C | • Develop your professional online presence |
| Upper Division Related Area Courses | 3 | C | |
| APA Upper Division Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Courses | 3 | C | |
| APA Upper Division Elective | 3 | C | |
| Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SST 484: Internship | 3 | C | • SST 484 requires departmental approval to enroll.<br>• Gather professional references |
| Upper Division Related Area Courses | 3 | C | |
| APA Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SST 499: Individualized Instruction | 3 | C | • SST 499 Individualized Instruction is a capstone research project determined in consultation with faculty advisor and requires departmental approval to enroll. |
| APA Upper Division Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Term hours subtotal: | 15 | |

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| AFR OR AMS OR APA OR JUS OR SST OR WST Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Astronomical and Planetary Sciences, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAASTPLSBS

| Term 1 - A 0 - 11 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AST 111: Introduction to Solar Systems Astronomy (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• AST 111 is a session C course (15 weeks long).<br>• Students who place into MAT 210 should take the course in term 1 to complete the MA requirement. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | C | |
| ASU 101-LA: The ASU Experience | 1 | | |
| Term hours subtotal: | 11 | | |

| Term 1 - B 11 - 17 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 17 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) | 4 | C | • AST 112 is a session C course (15 weeks long).<br>• Select your career interest areas and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 210: Brief Calculus (MA) | 3 | C | |
| Term hours subtotal: | 10 | | |

| Term 2 - B 27 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 or ENG 105 or ENG 107 course(s) | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 33 - 40 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |

| | | | |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | • Review the Career Guide for ASU Online Students to learn about available career planning resources. |
| Term hours subtotal: | 7 | | |

| Term 3 - B 40 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | |
| Science and Society Elective | 3 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 47 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Register for a Handshake account and participate in virtual career advising. |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 53 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SES 106: Habitable Worlds (SQ) | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AST 301: Physics of Astrophysics | 3 | C | • AST 301 is a session C course (15 weeks long). |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 66 - 72 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Astronomical and Planetary Sciences Major Electives | 3-4 | C | • Major Elective options vary in credit hours. Depending on chosen courses, overall elective hours may vary. |
| Elective | 3-2 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 72 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AST 321: Introduction to Planetary and Stellar Astrophysics | 3 | C | • AST 321 is a session C course (15 weeks long).<br>• Develop your professional online presence. |
| SES 376: Communicating Astronomical and Planetary Sciences I | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 78 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SES 377: Communicating Astronomical and Planetary Sciences II | 3 | C | • Use Handshake to research employment opportunities.<br>• Major Elective options vary in credit hours. Depending on chosen courses, overall elective hours may vary. |
| Astronomical and Planetary Sciences Major Electives | 3-4 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6-7 | | |

| Term 7 - A 84 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ AST 322: Introduction to Galactic and Extragalactic Astrophysics | 3 | C | • AST 322 and SES 350 are session C courses (15 weeks long).<br>• Apply for full-time career opportunities. |
| ★ SES 350: Engineering Systems and Experimental Problem Solving | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 93 - 96 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Astronomical and Planetary Sciences Major Electives | 3-4 | C | • Major Elective options vary in credit hours. Depending on chosen courses, overall elective hours may vary. |
| Term hours subtotal: | 3-4 | | |

| Term 8 - A 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Astronomical and Planetary Sciences Major Electives | 3-4 | C | • Major Elective options vary in credit hours. Depending on chosen courses, overall elective hours may vary. |
| Upper Division Elective | 3-2 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Astronomical and Planetary Sciences Major Electives | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Astronomical and Planetary Sciences Major Electives | Upper Division Astronomical and Planetary Sciences Major Electives |
|---|---|
| BIO 181: General Biology I (SQ) | BIO 340: General Genetics |

BIO 182: General Biology II (SG)

BIO 340: General Genetics

BIO 345: Evolution

CHM 113: General Chemistry I (SQ)

CHM 114: General Chemistry for Engineers (SQ)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I: Laboratory (SQ)

GLG 108: Water Planet (SQ)

MAT 275: Modern Differential Equations (MA)

MAT 343: Applied Linear Algebra

MCO 307: The Digital Audience

MCO 335: Social Media Foundations

MCO 425: Digital Media Literacy I

PHI 314: Philosophy of Science (HU)

PHY 201: Mathematical Methods in Physics I (CS)

PHY 241: University Physics III

PHY 302: Mathematical Methods in Physics II

PHY 310: Classical Particles, Fields, and Matter I

PHY 311: Classical Particles, Fields, and Matter II

PHY 314: Quantum Physics I

PHY 315: Quantum Physics II

PHY 334: Advanced Laboratory I (L)

PHY 361: Introductory Modern Physics

PHY 412: Classical Particles, Fields, and Matter III

PHY 441: Statistical and Thermal Physics

SES 107: A Solar System Journey (SG)

SES 141: Energy In Everyday Life (SQ)

SES 225: Global Biogeochemical Cycles

STP 226: Elements of Statistics (CS)

TWC 401: Fundamentals of Technical Communication (L)

BIO 345: Evolution

MAT 343: Applied Linear Algebra

MCO 307: The Digital Audience

MCO 335: Social Media Foundations

MCO 425: Digital Media Literacy I

PHI 314: Philosophy of Science (HU)

PHY 302: Mathematical Methods in Physics II

PHY 310: Classical Particles, Fields, and Matter I

PHY 311: Classical Particles, Fields, and Matter II

PHY 314: Quantum Physics I

PHY 315: Quantum Physics II

PHY 334: Advanced Laboratory I (L)

PHY 361: Introductory Modern Physics

PHY 412: Classical Particles, Fields, and Matter III

PHY 441: Statistical and Thermal Physics

TWC 401: Fundamentals of Technical Communication (L)

TWC 446: Technical and Scientific Reports (L)

TWC 446: Technical and Scientific Reports (L)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biochemistry, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABCHBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students placing into lower level math classes can still graduate in 4 years -- see an academic advisor for planning.<br>• Students considering advanced science degrees and those who plan to take advanced math courses should take MAT 270 in place of MAT 251.<br>• Select your Career Interest Areas and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 14-15 | | |

| Term 2 14 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Research the timeline for health careers and professional program admissions requirements. |
| CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Students who are interested in graduate degrees in natural sciences or health-related professional degrees should take PHY 111 and PHY 113 instead of PHY 101 in this |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |

| | | |
|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

term. Then, complete PHY 112 and PHY 114 in the next term.

- Research admission requirements for health-related professional schools.
- Discuss study abroad opportunities with a School of Molecular Sciences advisor.

| Term 4 45 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 234: General Organic Chemistry II | 3 | C | • Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) courses.<br>• Connect with a Career Advisor by registering for a Handshake account. |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete PHY 101 OR PHY 112 AND PHY 114 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 341: Physical Chemistry with a Biological Focus | 3 | C | • CHM 302 and CHM 325 are only offered in the Fall semester and must be completed at the Tempe campus.<br>• Create a first draft resume. |
| BCH 461: General Biochemistry | 3 | C | |
| CHM 302: Environmental Chemistry OR CHM 325: Analytical Chemistry | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 462: General Biochemistry | 3 | C | • Explore internship opportunities in industry and health fields.<br>• This is an ideal semester to study abroad. BCH 462 may be taken in the final two terms. |
| Advanced BIO Elective | 3-4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15-16 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 467: Analytical Biochemistry Laboratory (L) | 3 | C | • Upper Division BCH or CHM Electives must be completed at Tempe campus and cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, or CHM 480. |
| BCH OR CHM Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR BCH 484: Internship | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 15 |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BCH OR CHM Upper Division Elective | 3 | C | • Apply for full-time career opportunities. |
| *Complete 4 courses:* Upper Division Elective | 12 | | |
| Term hours subtotal: | 15 | | |

- With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)

| Advanced BIO Elective |
|---|
| BIO 201: Human Anatomy and Physiology I (SG) |
| BIO 302: Cancer--Mother of All Diseases (L) |
| BIO 325: Oceanography or CHM 385: Oceanography |
| BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins |
| BIO 351: Developmental Biology |
| BIO 353: Cell Biology |
| BIO 360: Animal Physiology |
| BIO 431: Genes, Development, and Evolution (L) |
| MIC 205: Microbiology (SG) |
| MIC 206: Microbiology Laboratory (SG) |
| MIC 220: Biology of Microorganisms |
| MIC 461: Geomicrobiology |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biochemistry, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABCHBA

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Areas and play me3@ASU.<br>• Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) courses. |
| ASU 101-LA: The ASU Experience | 1 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 21 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Research the timeline for health careers and professional program admissions preparation. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 8 | | |

| Term 2 - B 21 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | |

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 8 | |

| Term 3 - A 29 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 101: Introduction to Physics (SQ) | 4 | C | • Research admission requirements for health-related professional schools.<br>• Students who are interested in graduate degrees in natural sciences or health-related professional degrees should take PHY 111 and PHY 113 instead of PHY 101 in this term. Then, complete PHY 112 and PHY 114 in the next term. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 8 | | |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • Connect with a career advisor by registering for a Handshake account. |
| CHM 233: General Organic Chemistry I | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 51 - 58 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 234: General Organic Chemistry II | 3 | C | |
| BIO 182: General Biology II (SG) | 4 | C | |
| Complete PHY 101 OR PHY 112 AND PHY 114 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Summer 4 58 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | • ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Term hours subtotal: | 2 | | |

| Term 5 - A 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 341: Physical Chemistry with a Biological Focus | 3 | C | • Create a first draft resume. |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Term hours subtotal: | 6 | |

| Term 5 - B 66 - 72 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | • Explore internship opportunities in industry and health fields. |
| Upper Division Elective OR BCH 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Advanced BIO Elective | 3-4 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6-7 | | |

| Term 6 - B 78 - 84 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHM 325: Analytical Chemistry | 3 | C | • CHM 325 is only offered in the Spring semester. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 84 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BCH OR CHM Upper Division Elective | 3 | C | • Consider taking BCH 463 as the BCH OR CHM Upper Division Elective in this term. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 93 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BCH OR CHM Upper Division Elective | 3 | C | • Apply for full-time career opportunities.<br>• Consider taking CHM 394 or CHM 433 for the BCH OR CHM Upper Division Elective in this term for session A. |
| BCH 461: General Biochemistry | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 462: General Biochemistry | 3 | C | • Consider taking CHM 453 for the Upper Division Elective in this term for session B. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Summer 8 114 - 120 Credit Hours Necessary course signified by | | Minimum | |
|---|---|---|---|

| | Hours | Grade | Notes |
|---|---|---|---|
| BCH 467: Analytical Biochemistry Laboratory (L) | 3 | C | • ASU Online students will complete all experiments for the Analytical Biochemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)

| Advanced BIO Elective |
|---|
| BIO 201: Human Anatomy and Physiology I (SG) |
| BIO 340: General Genetics |
| BIO 351: Developmental Biology |
| BIO 353: Cell Biology |
| BIO 360: Animal Physiology |
| MIC 205: Microbiology (SG) |
| MIC 206: Microbiology Laboratory (SG) |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biochemistry, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABCHBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students placing in lower level math classes can still graduate in four years. See an academic advisor for planning.<br>• Select your Career Interest Areas and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) | 3-4 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 14-15 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • Research the timeline for health careers and professional program admissions preparation. |
| CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) | 3-4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14-15 | | |

| Term 3 28 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Research admission requirements for health-related professional schools.<br>• Discuss study abroad opportunities with a School of Molecular Sciences advisor. |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| PHY 111: General Physics (SQ) | 3 | C | |
| BIO 182: General Biology II (SG) | 4 | C | |
| PHY 113: General Physics Laboratory (SQ) | 1 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 43 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) | 3 | C | • Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and Science and Society courses.<br>• Connect with a career advisor by registering for a Handshake account. |
| CHM 234: General Organic Chemistry II | 3 | C | |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| PHY 114: General Physics Laboratory (SQ) | 1 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 17 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 341: Physical Chemistry with a Biological Focus | 3 | C | • Create a first draft resume. |
| BCH 461: General Biochemistry | 3 | C | |
| Advanced BIO Elective | 3-4 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15-16 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 462: General Biochemistry | 3 | C | • This is an ideal semester to study abroad . BCH courses may be taken in the final two terms.<br>• Explore internship opportunities in industry and health fields. |
| BCH 463: Biophysical Chemistry | 3 | C | |
| Advanced BIO Elective | 3-4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Upper Division Social-Behavioral Sciences (SB) AND Upper Division Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15-16 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 467: Analytical Biochemistry Laboratory (L) | 3 | C | • Apply for full-time career opportunities. |
| Science and Society Elective | 3 | C | |
| Upper Division Elective OR BCH 484: Internship | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH OR CHM Upper Division Elective | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| *Complete 3 courses:* | | | |

| | | |
|---|---|---|
| Upper Division Elective | 9 | • Upper Division BCH or CHM Elective must be completed at Tempe campus and cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, or CHM 480. |
| Term hours subtotal: | 15 | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)

| Advanced BIO Elective |
|---|
| BIO 201: Human Anatomy and Physiology I (SG) |
| BIO 202: Human Anatomy and Physiology II (SG) |
| BIO 302: Cancer--Mother of All Diseases (L) |
| BIO 325: Oceanography or CHM 385: Oceanography |
| BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins |
| BIO 351: Developmental Biology |
| BIO 353: Cell Biology |
| BIO 360: Animal Physiology |
| BIO 440: Functional Genomics |
| BIO 446: Principles of Human Genetics (L) |
| BIO 450: Advanced Developmental Biology |
| BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging |
| BIO 465: Neurophysiology |
| MBB 343: Genetic Engineering and Society (L) |
| MBB 350: Applied Genetics |
| MIC 205: Microbiology (SG) |
| MIC 206: Microbiology Laboratory (SG) |
| MIC 220: Biology of Microorganisms |
| MIC 360: Bacterial Physiology |

MIC 379: Medical Bacteriology

MIC 461: Geomicrobiology

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biochemistry, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABCHBS

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.

| **Term 1 - A 0 - 7 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. |
| ASU 101-LA: The ASU Experience | 1 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| **Term 1 - B 7 - 13 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 2 - A 13 - 20 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Select your career interest area and play me3@ASU. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| Term hours subtotal: | 7 | | |

| **Term 2 - B 20 - 27 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • If interested in health-related professional programs, research the timeline for admissions preparation and general admission requirements. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| **Term 3 - A 27 - 34 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | |
|---|---|---|
| PHY 111: General Physics (SQ) | 3 | C |
| PHY 113: General Physics Laboratory (SQ) | 1 | C |
| Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 7 | |

- Review the Career Guide for ASU Online students to learn about available career planning resources.

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) | 3 | C | |
| PHY 114: General Physics Laboratory (SQ) | 1 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

- Register for a Handshake account and participate in virtual career advising.

| Term 4 - B 47 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 234: General Organic Chemistry II | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Plan for in-person laboratory attendance in summer. Talk with your academic advisor.

| Summer 4 53 - 55 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Term hours subtotal: | 2 | | |

- ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.

| Term 5 - A 55 - 62 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 7 | | |

- Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and Science and Society courses.
- Create a first draft resume.

| Term 5 - B 62 - 69 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | |
| Science and Society Elective | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 341: Physical Chemistry with a Biological Focus | 3 | C | |

| | | |
|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 6 | |

| Term 6 - B 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 463: Biophysical Chemistry | 3 | C | |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BCH 461: General Biochemistry | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 462: General Biochemistry | 3 | C | • View career webinars offered by the Career and Professional Development Center. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Advanced BIO Elective | 3-4 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6-7 | | |

| Term 8 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Advanced BIO Elective | 3-4 | C | • Plan for in-person laboratory attendance in summer. Talk with your academic advisor.<br>• Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6-7 | | |

| Summer 8 105 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BCH 467: Analytical Biochemistry Laboratory (L) | 3 | C | • ASU Online students will complete all experiments for the Analytical Biochemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| Term hours subtotal: | 3 | | |

| Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BCH OR CHM Upper Division Elective | 3 | C | • Upper Division BCH or CHM Elective cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, or CHM 480. Talk with your academic advisor for options. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)

Advanced BIO Elective

- BIO 201: Human Anatomy and Physiology I (SG)
- BIO 202: Human Anatomy and Physiology II (SG)
- BIO 340: General Genetics
- BIO 351: Developmental Biology
- BIO 353: Cell Biology
- BIO 360: Animal Physiology
- MIC 205: Microbiology (SG)
- MIC 206: Microbiology Laboratory (SG)
- MIC 220: Biology of Microorganisms

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biochemistry (Medicinal Chemistry), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABCHMBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students placing into lower level math courses can still graduate in 4 years -- see an academic advisor for planning.<br>• Select your Career Interest Areas and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) | 4-3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 15-14 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • Research the timeline for health careers and professional program admissions preparation. |
| CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | |
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) | 4-3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15-14 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Research admission requirements for health-related professional schools.<br>• Create a first draft resume. |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| PHY 111: General Physics (SQ) | 3 | C | |
| BIO 182: General Biology II (SG) | 4 | | |
| PHY 113: General Physics Laboratory (SQ) | 1 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) | 3 | C | • Explore internship opportunities within industry and health fields.<br>• Discuss study abroad opportunities with a School of Molecular Sciences advisor. |
| CHM 234: General Organic Chemistry II | 3 | C | |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| PHY 114: General Physics Laboratory (SQ) | 1 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 4 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 341: Physical Chemistry with a Biological Focus | 3 | C | • Connect with a Career Advisor by registering for a Handshake account.<br>• Due to lower-division prerequisites, pre-health students are encouraged to choose an upper-division HU & H general studies course. |
| BCH 461: General Biochemistry | 3 | C | |
| BIO 353: Cell Biology | 3 | | |
| CHM 343: Elementary Physical Chemistry Laboratory | 1 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 462: General Biochemistry | 3 | C | • This is an ideal semester to study abroad . BCH courses may be taken in the final two terms. |
| BCH 463: Biophysical Chemistry | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Upper Division Elective | 2 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 433: Advanced Organic Chemistry I | 3 | C | • Apply for full-time career opportunities.<br>• Due to lower-division prerequisites, pre-health students are encouraged to choose an upper-division Science and Society course. |
| BCH 467: Analytical Biochemistry Laboratory (L) | 3 | C | |
| Science and Society Elective | 3 | C | |
| Elective | 3 | | |
| Upper Division Elective OR BCH 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 435: Medicinal Chemistry | 3 | C | |
| BCH OR CHM Upper Division Elective | 3 | C | |

| | | | |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | • Upper Division BCH or CHM Elective must be completed at Tempe campus and cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, or CHM 480. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biochemistry (Medicinal Chemistry), BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABCHMBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Areas and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| MAT 265: Calculus for Engineers I (MA) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Research timelines for health careers and professional program admissions preparation. |
| MAT 266: Calculus for Engineers II (MA) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 34 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 111: General Physics (SQ) | 3 | C | • Research admission requirements for health-related professional schools.<br>• Create a first draft resume. |
| PHY 113: General Physics Laboratory (SQ) | 1 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

- Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and Science and Society courses.

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) | 3 | C | |
| PHY 114: General Physics Laboratory (SQ) | 1 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • Explore internship opportunities within industry and health fields. |
| CHM 233: General Organic Chemistry I | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 48 - 55 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | | |
| CHM 234: General Organic Chemistry II | 3 | C | |
| Term hours subtotal: | 7 | | |

| Summer 4 55 - 57 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | • ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Term hours subtotal: | 2 | | |

| Term 5 - A 57 - 61 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 341: Physical Chemistry with a Biological Focus | 3 | C | • Connect with a career advisor by registering for a Handshake account. |
| CHM 343: Elementary Physical Chemistry Laboratory | 1 | | |
| Term hours subtotal: | 4 | | |

| Term 5 - B 61 - 67 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 463: Biophysical Chemistry | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 67 - 73 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 353: Cell Biology | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 73 - 80 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 4 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 7 - A 80 - 86 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BCH 461: General Biochemistry | 3 | C | • Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 86 - 92 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 462: General Biochemistry | 3 | C | |
| Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Summer 7 92 - 95 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 467: Analytical Biochemistry Laboratory (L) | 3 | C | • ASU Online students will complete all experiments for the Analytical Biochemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| Term hours subtotal: | 3 | | |

| Term 8 - A 95 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHM 433: Advanced Organic Chemistry I | 3 | C | |
| Upper Division Elective | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 8 - B 102 - 108 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH OR CHM Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | • Explore an internship. |
| Upper Division Elective OR BCH 484: Internship | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHM 435: Medicinal Chemistry | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biological Sciences, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABSCBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • LIA 101, ASU 101, or other First-Year Seminar required of all first-year students<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement<br>• Select your career interest area and play me3@ASU |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student organization<br>• Create a resume and Handshake account with the Career & Professional Development Center<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Attend a Pre-Health 101 session<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement.<br>• Students not transferring mathematics courses must take the Mathematics Placement Assessment. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | • Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester<br>• It is not recommended to take more than two lab courses in a term. |
| CHM 231: Elementary Organic Chemistry (SQ) | 3 | | |
| CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 1 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |

| | | |
|---|---|---|
| Term hours subtotal: | 14 | |

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session
- Explore minors or certificates

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 345: Evolution | 3 | C | • Pre-health students should take CHM 234 and CHM 238 instead of the elective in this term. See the pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Explore or pursue internship opportunities<br>• Meet with the Career & Professional Development Center to learn how to develop professional skills |
| Science and Society Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Additional Major Requirement Course | 3 | C | • Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health website for more information<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad) |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Major Laboratory/Research Course | 1-4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 14-17 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Additional Major Requirement Course | 3 | C | • Pre-health students should take PHY 112 and PHY 114 instead of an elective in this term. See the pre-health website for more information<br>• Use Handshake to research employment opportunities |
| Upper Division Major Laboratory/Research Course | 2-4 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 7 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15-17 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Additional Major Requirement Course | 3 | C | • Explore or apply for full-time career opportunities or graduate school<br>• Meet with your advisor to verify remaining degree requirements have been met prior to Term 8 |
| Upper Division Major Elective Course | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 15 | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Additional Major Requirement Course | 6-7 | C | • Continue to apply for full-time career opportunities or graduate school |
| Upper Division Major Elective Course | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15-16 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Major Laboratory/Research Courses | Major Elective Courses | Additional Major Requirements Courses |
|---|---|---|
| BCH 367: Elementary Biochemistry Laboratory | BCH 361: Advanced Principles of Biochemistry | **Ethics, History, and Philosophy of Science** |
| BIO 303: Plant Diversity and Evolution (L or SG) | BIO OR HPS OR MBB OR MIC 3** Elective | BIO 311: Biology and Society or HPS 340: Biology and Society |
| BIO 308: Plant Physiology | BIO OR HPS OR MBB OR MIC 4** Elective | BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) |
| BIO 321: Introductory Ecology Laboratory | | BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H) |
| BIO 342: General Genetics Laboratory | | BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L) |
| BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L) | | HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU) |
| BIO 352: Laboratory in Vertebrate Developmental Anatomy | | **Ecology, Conservation Biology and Evolution** |
| BIO 354: Cell Biology Laboratory | | BIO 320: Fundamentals of Ecology |
| BIO 357: Cell and Molecular Biology Laboratory | | BIO 322: Conservation of Biodiversity |
| BIO 361: Animal Physiology Laboratory | | BIO 421: Landscape Ecology |
| BIO 370: Vertebrate Zoology | | BIO 422: Ecosystem Ecology |
| BIO 385: Comparative Invertebrate Zoology | | BIO 423: Population and Community Ecology |
| BIO 386: General Entomology | | **Microbiology, Molecular, & Cellular Biology** |
| BIO 390: Medical/Dental Field Placement or BIO 484: Internship or MIC 484: Internship | | BCH 361: Advanced Principles of Biochemistry |
| BIO 415: Statistical Models for Biology (CS) | | BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L) |
| BIO 435: Research Techniques in Animal Behavior | | BIO 351: Developmental Biology |

BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging

BIO 471: Ornithology

BIO 474: Herpetology

BIO 475: Advanced Human Anatomy

BIO 492: Honors Directed Study or MIC 492: Honors Directed Study or MBB 492: Honors Directed Study

BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research

MBB 350: Applied Genetics

MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)

MIC 302: Advanced Bacteriology Laboratory (L)

MIC 421: Experimental Immunology

BIO 353: Cell Biology

BIO 420: Immunology: Molecular and Cellular Foundations or MIC 420: Immunology: Molecular and Cellular Foundations

BIO 440: Functional Genomics

MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)

**Organismal Biology**

BIO 308: Plant Physiology

BIO 331: Animal Behavior

BIO 360: Animal Physiology

BIO 370: Vertebrate Zoology

BIO 461: Comparative Animal Physiology

BIO 462: Endocrine Physiology

BIO 467: Neurobiology

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biological Sciences, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABSCBS

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| BIO 181: General Biology I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • View ASU Online first-year student registration information here.<br>• Create a resume and Handshake account with the Career & Professional Development Center to explore research or internship opportunities<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Join a student organization<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement<br>• Students not transferring mathematics courses must take the Mathematics Placement Assessment. |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 15 - 22 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Select your career interest area and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 22 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • If interested in health-related professional programs, research the timeline for |
| STP 231: Statistics for Life Science (CS) | 3 | C | |

| | | |
|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 7 | |

admissions preparation and general admission requirements.
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement

| **Term 3 - A 29 - 36 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

- Due to lower-division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and The College Science and Society courses.
- It is not recommended to take more than two lab courses in a term.
- Review the Career Guide for ASU Online students to learn about available career planning resources.

| **Term 3 - B 36 - 42 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

- Meet with the Career & Professional Development Center to learn how to develop professional skills

| **Term 4 - A 42 - 48 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 345: Evolution | 3 | C | |
| CHM 231: Elementary Organic Chemistry (SQ) | 3 | C | |
| Term hours subtotal: | 6 | | |

- Develop your professional online presence
- Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the pre-health website for more information
- If CHM 233 is taken, then CHM 234 must be taken the following semester
- Organic Chemistry labs (CHM 237 for CHM 233, and CHM 238 for CHM 234) are required and available at ASU over the summer. Please speak with an advisor for more information.

| **Term 4 - B 48 - 55 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 4 | | |
| Term hours subtotal: | 7 | | |

| **Summer 4 55 - 56 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 1 | C | |
| Term hours subtotal: | 1 | | |

- ASU Online students will complete all experiments for the CHM 235 organic chemistry lab at the Tempe Campus of ASU

during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.
- Pre-health students will complete CHM 237 and CHM 238 organic chemistry labs instead of CHM 235.

| Term 5 - A 56 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 101: Introduction to Physics (SQ) | 4 | C | • Due to lower-division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and The College Science and Society courses.<br>• If interested in health-related professional programs, use ASU's Health Professions Advising to prepare for application.<br>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health website for more information<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)<br>• Explore graduate school or full-time career opportunities |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 63 - 69 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Additional Major Requirement Course | 3-4 | C | • Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See the pre-health website for more information.<br>• Network in your career interest area. |
| Elective | 3 | | |
| Term hours subtotal: | 6-7 | | |

| Term 6 - A 69 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Additional Major Requirement Course | 3 | C | • Work with your academic advisor to align your additional major requirements and major elective courses with your career aspirations<br>• Use Handshake to research employment opportunities |
| Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 75 - 82 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Additional Major Requirement Course | 3 | C | |
| ★ Major Laboratory Research Course | 1-4 | C | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 7-10 | | |

| Term 7 - A 82 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Major Laboratory Research Course | 2-4 | C | |

| | | | |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | • Meet with your advisor to verify remaining degree requirements have been met prior to Term 8<br>• Explore or apply for full-time career opportunities or graduate school |
| Term hours subtotal: | 5-7 | | |

| Term 7 - B 87 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Major Elective Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | • Explore other resources available through ASU's Career and Professional Development Center |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Major Elective Course | 3 | C | • Gather professional references |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Additional Major Requirement Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Additional Major Requirement Course | 3 | C | • Continue to apply for full-time career opportunities or graduate school |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Major Laboratory Research Course | Major Electives | Additional Major Requirements Courses |
|---|---|---|
| BCH 367: Elementary Biochemistry Laboratory | BCH 361: Advanced Principles of Biochemistry | **Ethics, History, and Philosophy of Science** |
| BIO 321: Introductory Ecology Laboratory | BIO OR HPS OR MBB OR MIC 3** Elective | BIO 311: Biology and Society or HPS 340: Biology and Society |

| | | |
|---|---|---|
| BIO 342: General Genetics Laboratory | BIO OR HPS OR MBB OR MIC 4** Elective | BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) |
| BIO 357: Cell and Molecular Biology Laboratory | | BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H) |
| BIO 361: Animal Physiology Laboratory | | BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L) |
| BIO 370: Vertebrate Zoology | | HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU) |
| BIO 415: Statistical Models for Biology (CS) | | **Ecology, Conservation Biology and Evolution** |
| BIO 475: Advanced Human Anatomy | | BIO 320: Fundamentals of Ecology |
| BIO 484: Internship | | BIO 322: Conservation of Biodiversity |
| BIO 492: Honors Directed Study or MIC 492: Honors Directed Study or MBB 492: Honors Directed Study | | BIO 422: Ecosystem Ecology |
| BIO 495: Undergraduate Research | | BIO 423: Population and Community Ecology |
| MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) | | **Microbiology, Molecular, & Cellular Biology** |
| | | BCH 361: Advanced Principles of Biochemistry |
| | | BIO 351: Developmental Biology |
| | | BIO 353: Cell Biology |
| | | BIO 420: Immunology: Molecular and Cellular Foundations or MIC 420: Immunology: Molecular and Cellular Foundations |
| | | BIO 440: Functional Genomics |
| | | MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) |
| | | **Organismal Biology** |
| | | BIO 331: Animal Behavior |
| | | BIO 360: Animal Physiology |
| | | BIO 370: Vertebrate Zoology |
| | | BIO 462: Endocrine Physiology |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biological Sciences (Biology and Society), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABSCSBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • LIA 101, ASU 101, or other First-Year Seminar required of all first-year students<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement<br>• Select your career interest area and play me3@ASU |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student organization<br>• Create a resume & Handshake account with the Career & Professional Development Center<br>• Explore Research Opportunities<br>• Attend a Pre-Health 101 Session<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | • Pre-health students should take CHM 233 and CHM 237 instead of the elective in this term. See pre-health website for more information.<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester.<br>• It is not recommended to take more than two lab courses in a term. |
| BIO 311: Biology and Society OR HPS 340: Biology and Society | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

- BIO 311 or HPS 340 will fulfill the upper-division Science and Society requirement for The College.
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session.
- Explore minors and certificates.

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 345: Evolution | 3 | C | • Pre-health students should take CHM 234 and CHM 238 instead of electives in this term. See the pre-health website for more information.<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester.<br>• Explore or pursue internship opportunities.<br>• Meet with the Career & Professional Development Center to learn how to develop professional skills. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division History of Science Course | 3 | C | • Pre-health students should take PHY 111 and 113 instead of an elective this term. See the pre-health website for more information.<br>• Students are encouraged to explore research options through BIO 307, 314, 414, plus 484, 492, or 495.<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad).<br>• Explore graduate school or full-time career opportunities. |
| Upper Division Major Biological Sciences Elective | 3 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Bioethics Course | 3 | C | • Pre-health students should take PHY 112 and 114 instead of electives this term. See the pre-health website for more information.<br>• Students are encouraged to explore research options through BIO 307, 314, 414, plus 484, 492, or 495. |
| Upper Division Major Biological Sciences Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Environmental Ethics, Conservation and Society Course | 3 | C | • Meet with your advisor to verify remaining degree requirements have been met prior to Term 8. |
| Upper Division Philosophy of Science Course | 3 | C | |

| | | | |
|---|---|---|---|
| *Complete 2 courses:*<br>Elective | 7 | | • Explore or apply for full-time career opportunities or graduate school. |
| Term hours subtotal: | 13 | | |

| **Term 8 106 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Science in Global Society Course | 3 | C | • Continue to apply for full-time career opportunities or graduate school. |
| *Complete 2 courses:*<br>Upper Division Major Biological Sciences Elective | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Science in Global Society Courses |
|---|
| BIO 302: Cancer--Mother of All Diseases (L) |
| BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L) |
| MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society |

| Major Biological Sciences Elective Courses |
|---|
| BCH 361: Advanced Principles of Biochemistry |
| BIO OR HPS OR MBB OR MIC 3** Elective |
| BIO OR HPS OR MBB OR MIC 4** Elective |

| Philosophy of Science Courses |
|---|
| BIO 452: Philosophy of Biology and Medicine or HPS 452: Philosophy of Biology and Medicine |
| HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU) |

| Bioethics Courses |
|---|
| BIO 312: Bioethics (HU) |
| BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L) |

| Environmental Ethics, Conservation and Society Courses |
|---|
| BIO 322: Conservation of Biodiversity |
| BIO 324: Environmental Ethics (HU) |
| BIO 412: Conservation in Practice |

| History of Science Courses |
|---|
| BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H) |
| BIO 317: History of Science II (HU & H) or HPS 323: History of Science II (HU & H) |
| BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H) |
| HPS 322: History of Science I (HU & H) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that

guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Biological Sciences (Biology and Society), BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABSCSBS

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| BIO 181: General Biology I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • View ASU Online first-year student registration information here.<br>• Create a resume and Handshake account with the Career & Professional Development Center to explore research or internship opportunities.<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Join a student organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 15 - 22 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Select your career interest area and play me3@ASU.<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement. |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 22 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • If interested in health-related professional programs, research the timeline for admissions preparation and general admission requirements. |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement.

| Term 3 - A 29 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | • Due to lower-division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and The College Science and Society courses.<br>• It is not recommended to take more than two lab courses in a term.<br>• Review the Career Guide for ASU Online students to learn about available career planning resources. |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 36 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 311: Biology and Society OR HPS 340: Biology and Society | 3 | C | • Meet with the Career & Professional Development Center to learn how to develop professional skills |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 42 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 345: Evolution | 3 | C | • Students are encouraged to explore research options through BIO 307, 314, 414, plus 484, 492, or 495.<br>• Develop your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 48 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 54 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science in Global Society Course | 3 | C | • If interested in health-related professional programs, use ASU's Health Professions Advising to prepare for application.<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad).<br>• Explore graduate school or full-time career opportunities. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 60 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Science and Society Elective | 3 | C | • Network in your career interest area. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 66 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Bioethics Course | 3 | C | • Work with your academic advisor to align your additional major requirement and major elective courses with your career aspirations<br>• Use Handshake to research employment opportunities |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division History of Science Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Major Biological Sciences Elective | 3 | C | • Students are encouraged to explore research options through BIO 307, 314, 414, plus 484, 492, or 495.<br>• Meet with your advisor to verify remaining degree requirements have been met prior to Term 8<br>• Explore or apply for full-time career opportunities or graduate school |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Philosophy of Science Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 93 - 101 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Major Biological Sciences Elective | 3 | C | • Explore other resources available through ASU's Career and Professional Development Center |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |
| Term hours subtotal: | 8 | | |

| Term 8 - B 101 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Major Biological Sciences Elective | 3 | C | • Gather professional references |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 107 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ Upper Division Major Biological Sciences Elective | 3 | C | |
| Elective | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 9 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Environmental Ethics, Conservation and Society Course | 3 | C | • Continue to apply for full-time career opportunities or graduate school |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Major Biological Sciences Elective Courses | Bioethics Courses | History of Science Courses |
|---|---|---|
| BCH 361: Advanced Principles of Biochemistry | BIO 312: Bioethics (HU) | BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H) |
| BIO OR HPS 3** Elective | BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L) | BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H) |
| BIO OR HPS 4** Elective | | HPS 322: History of Science I (HU & H) |
| | | HPS 323: History of Science II (HU & H) |
| **Philosophy of Science Courses** | **Environmental Ethics, Conservation and Society Courses** | **Science in Global Society Courses** |
| HPS 314: Philosophy of Science (HU) or PHI 314: Philosophy of Science (HU) | BIO 322: Conservation of Biodiversity | BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L) |
| | BIO 324: Environmental Ethics (HU) | |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biological Sciences (Biomedical Sciences), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABSCMBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • LIA 101, ASU 101, or other First-Year Seminar is required of all first-year students<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement<br>• Select your career interest area and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Create a resume and Handshake account with the Career & Professional Development Center to explore research or internship opportunities<br>• Attend a Pre-Health 101 Session<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Join a student organization<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics OR MBB 347: Molecular Genetics: From Genes to Proteins | 4 | C | • Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See pre-health website for more information.<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester.<br>• It is not recommended to take more than two lab courses in a term. |
| CHM 231: Elementary Organic Chemistry (SQ) | 3 | C | |
| CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 1 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

- On-campus students are encouraged to take MBB 347 to satisfy the genetics requirement.
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session
- Explore minors or certificates

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 345: Evolution | 3 | C | • Pre-health students should take CHM 234 and CHM 238 instead of the elective in this term. See pre-health website for more information.<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester.<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Meet with the Career & Professional Development Center to learn how to develop professional skills. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 361: Advanced Principles of Biochemistry | 3 | C | • Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See pre-health website for more information.<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad) |
| BCH 367: Elementary Biochemistry Laboratory | 1 | C | |
| BIO 353: Cell Biology | 3 | C | |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology | 3 | C | • Pre-health students should take PHY 112 and PHY 114 instead of an elective in this term. See pre-health website for more information<br>• BIO 312 or BIO 416 will be used to satisfy the upper-division Science and Society credit for The College<br>• Some upper-division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives<br>• Research employment opportunities or graduate school programs |
| BIO 360: Animal Physiology | 3 | C | |
| BIO 312: Bioethics (HU) OR BIO 416: Biomedical Research Ethics (L) | 3 | C | |
| Upper Division Elective | 4 | | |
| Elective | 2 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course | 4-2 | C | |

| | | |
|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | |
| Upper Division Elective | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 16-14 | |

- Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course
- Some upper-division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives
- Explore or apply for full-time career opportunities or graduate school
- Meet with your advisor to verify remaining degree requirements have been met prior to Term 8

| **Term 8 106 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology | 3 | C | • Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.<br>• Continue to apply for full-time career opportunities or graduate school |
| ★ Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course | 2-4 | C | |
| *Complete 3 courses:* Elective | 9 | | |
| Term hours subtotal: | 14-16 | | |

- Students must take at least one course from the Medicine in Society group and at least one course from the Biomedical Research group, and at least one of those must be a lab course.
- Some upper-division Medicine in Society courses require lower-division prerequisites, which may be taken as electives. See list of Suggested Electives provided.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Biomedical Research | Medicine in Society | Suggested Electives |
|---|---|---|
| BIO 342: General Genetics Laboratory | ASB 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H) | ASB 100: Introduction to Global Health (SB & G) |
| BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L) | ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) | ASB 102: Introduction to Cultural Anthropology (SB & G) |
| BIO 352: Laboratory in Vertebrate Developmental Anatomy | ASB 452: Community Partnerships for Global Health (SB) or SSH 402: Community Partnerships for Global Health (SB) | ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) |
| BIO 354: Cell Biology Laboratory | | ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H) |
| BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: | | ASM 104: Bones, Stones, and Human Evolution (SB or SG) |

Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)

BIO 357: Cell and Molecular Biology Laboratory

BIO 361: Animal Physiology Laboratory

BIO 370: Vertebrate Zoology

BIO 390: Medical/Dental Field Placement or BIO 484: Internship or MIC 484: Internship

BIO 415: Statistical Models for Biology (CS)

BIO 435: Research Techniques in Animal Behavior

BIO 439: Computing for Research

BIO 450: Advanced Developmental Biology

BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging

BIO 475: Advanced Human Anatomy

BIO 492: Honors Directed Study or MBB 492: Honors Directed Study or MIC 492: Honors Directed Study

BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research

BMI 465: Introduction to Comparative Genomics

MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 446: Techniques in Molecular Biology/Genetics Lab

MIC 421: Experimental Immunology

MIC 425: Advanced Immunology

ASB 462: Medical Anthropology: Culture and Health (SB & C)

ASM 345: Disease and Human Evolution

ASM 401: Health and Human Biology

ASM 403: Evolutionary Medicine and Global Health or BIO 403: Evolutionary Medicine and Global Health

ASM 414: Urban, Environmental and Health Challenges (SB)

BIO 302: Cancer--Mother of All Diseases (L)

BIO 311: Biology and Society or HPS 340: Biology and Society

BIO 394: Healing Traditions of Latino-America

BIO 394: Spanish for Biomedical Sciences

BIO 408: Advanced Evolutionary Medicine

BIO 494: Introduction To Clinical Healthcare

HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)

MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society

BIO 331: Animal Behavior

HST 101: Global History Since 1500 (HU & H & G) or SGS 111: Global History Since 1500 (HU & H & G)

MBB 445: Techniques in Molecular Biology/Genetics or MIC 445: Techniques in Molecular Biology/Genetics

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biological Sciences (Biomedical Sciences), BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABSCMBS

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or other First-Year Seminar is required of all first-year students |
| BIO 181: General Biology I (SQ) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • View ASU Online first-year student registration information here.<br>• Create a resume and Handshake account with the Career & Professional Development Center to explore research or internship opportunities<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Join a student organization<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement<br>• Students not transferring mathematics courses must take the Mathematics Placement Assessment. |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 15 - 22 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Select your career interest area and play me3@ASU |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 22 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C |
| STP 231: Statistics for Life Science (CS) | 3 | C |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 7 | |

- If interested in health-related professional programs, research the timeline for admissions preparation and general admission requirements.
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement

| Term 3 - A 29 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | • Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and The College Science and Society courses.<br>• It is not recommended to take more than two lab courses in a term.<br>• Review the Career Guide for ASU Online students to learn about available career planning resources. |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 36 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 345: Evolution | 3 | C | • Meet with the Career & Professional Development Center to learn how to develop professional skills |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 42 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 231: Elementary Organic Chemistry (SQ) | 3 | C | • Develop your professional online presence<br>• Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following term<br>• Organic Chemistry labs (CHM 237 for CHM 233, and CHM 238 for CHM 234) are required and available at ASU over the summer. Please speak with an advisor for more information. |
| Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 48 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 312: Bioethics (HU) OR BIO 416: Biomedical Research Ethics (L) | 3 | C | • BIO 312 or BIO 416 may be used to satisfy the upper-division Science and Society credit for The College. |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Summer 4 Session 1 54 - 55 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 1 | C | |

| | | |
|---|---|---|
| Term hours subtotal: | 1 | |

- ASU Online students will complete all experiments for the CHM 235 organic chemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.
- Pre-health students will complete CHM 237 and CHM 238 organic chemistry labs instead of CHM 235.

| **Term 5 - A 55 - 62 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 7 | | |

- Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and The College Science and Society courses.
- If interested in health-related professional programs, use ASU's Health Professions Advising to prepare for applications.
- Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health website for more information.
- Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)
- Explore graduate school or full-time career opportunities.

| **Term 5 - B 62 - 68 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ BIO 353: Cell Biology | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See the pre-health website for more information.
- Network in your career interest area.

| **Term 6 - A 68 - 74 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ BIO 360: Animal Physiology | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

- Biochemistry lab BCH 367 is available at ASU over the summer. Please speak with an advisor for more information
- Pre-health students should take PHY 112 and PHY 114 instead of an elective in this term. See pre-health website for more information.

| **Term 6 - B 74 - 80 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ BCH 361: Advanced Principles of Biochemistry | 3 | C | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

- Biochemistry lab BCH 367 is available at ASU over the summer. Please speak with an advisor for more information.

| **Summer 6 Session 2 80 - 84 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | |
|---|---|---|
| ★ BCH 367: Elementary Biochemistry Laboratory | 1 | C |
| Elective | 3 | |
| Term hours subtotal: | 4 | |

- ASU Online students will complete all experiments for the BCH 367 biochemistry lab at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.

| Term 7 - A 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology | 3 | C | • Meet with your advisor to verify remaining degree requirements have been met prior to Term 8<br>• Explore or apply for full-time career opportunities or graduate school |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 96 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 3 | | • Explore other resources available through ASU's Career and Professional Development Center |
| Term hours subtotal: | 3 | | |

| Term 8 - B 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course | 3 | C | • Some upper-division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives.<br>• Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.<br>• Research employment opportunities or graduate school programs<br>• Gather professional references |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 105 - 113 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course | 3 | C | • Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.<br>• Some upper-division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives. |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 8 | | |

| Term 9 - B 113 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 7 | | • Meet with your advisor to verify remaining degree requirements have been met<br>• Continue to apply for full-time career opportunities or graduate school |
| Term hours subtotal: | 7 | | |

- Students must take at least one course from the Medicine in Society group and at least one course from the Biomedical Research group, and at least one of those must be a lab course.
- Some upper-division Medicine in Society courses require lower-division prerequisites, which may be taken as electives. See list of Suggested Electives provided.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Biomedical Research |
|---|
| BIO 342: General Genetics Laboratory |
| BIO 357: Cell and Molecular Biology Laboratory |
| BIO 361: Animal Physiology Laboratory |
| BIO 370: Vertebrate Zoology |
| BIO 415: Statistical Models for Biology (CS) |
| BIO 439: Computing for Research |
| BIO 475: Advanced Human Anatomy |
| BIO 484: Internship |
| BIO 495: Undergraduate Research |

| Medicine in Society |
|---|
| ASB 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H) |
| ASB 443: Cross-Cultural Studies in Global Health ((L or SB) & G) or SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) |
| ASB 452: Community Partnerships for Global Health (SB) or SSH 402: Community Partnerships for Global Health (SB) |
| ASB 462: Medical Anthropology: Culture and Health (SB & C) |
| ASM 345: Disease and Human Evolution |
| ASM 403: Evolutionary Medicine and Global Health |
| ASM 414: Urban, Environmental and Health Challenges (SB) |
| BIO 494: Introduction To Clinical Healthcare |
| HPS 331: History of Medicine (HU & H) |
| MIC 314: HIV/AIDS: Science, Behavior, and Society |

| Suggested Electives |
|---|
| ASB 100: Introduction to Global Health (SB & G) |
| ASB 102: Introduction to Cultural Anthropology (SB & G) |
| ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) |
| ASM 104: Bones, Stones, and Human Evolution (SB or SG) |
| BIO 331: Animal Behavior |
| HST 101: Global History Since 1500 (HU & H & G) or SGS 111: Global History Since 1500 (HU & H & G) |

**Notes:**

-

    - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biological Sciences (Conservation Biology and Ecology), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABSCCBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • LIA 101, ASU 101, or other First-Year Seminar required of all first-year students<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement<br>• Select your career interest area and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student organization<br>• Create a resume and Handshake account with the Career & Professional Development Center<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Attend a Pre-Health 101 Session<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 320: Fundamentals of Ecology | 3 | C | • Pre-health students should take CHM 233 and CHM 237 as their Physical Science requirement course this term. See the pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester<br>• It is not recommended to take more than two lab courses in a term.<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Attend a Study Abroad 101 Session |
| Physical Science Requirement Course | 3-4 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15-16 | | |

- Explore minors or certificates

| Term 4 45 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | • Meet with the Career & Professional Development Center to learn how to develop professional skills<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Pre-health students should take CHM 234 and CHM 238 this term instead of an elective. See the pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 322: Conservation of Biodiversity | 3 | C | • BIO 322 will be used to satisfy the upper-division Science and Society requirement for The College<br>• Pre-health students should take PHY 111 and 113 instead of an elective this term. See the pre-health website for more information<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad) |
| BIO 345: Evolution | 3 | C | |
| Upper Division Human Dimensions of Conservation and Ecology Course | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Conservation Biology and Ecology Field Methods Course | 3 | C | • Conservation Biology and Ecology courses teach students field (outdoor) and laboratory methods that are commonly used in conservation biology and ecology.<br>• Pre-health students should take PHY 112 and 114 instead of an elective this term. See the pre-health website for more information<br>• Use Handshake to research employment opportunities |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Advanced Ecology Course | 3 | C | • Explore or apply for full-time career opportunities or graduate school<br>• Meet with your advisor to verify remaining degree requirements have been met prior to Term 8. |
| Quantitative & Spatial Analysis Course | 3-4 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15-16 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | Upper Division Advanced Ecology, Biodiversity, Field or Research Course | 3-4 | C |
| ★ | Upper Division Advanced Human Dimensions of Conservation and Ecology Course | 3 | C |
| | *Complete 2 courses:*<br>Upper Division Elective | 5 | |
| | Elective | 3 | |
| | Term hours subtotal: | 14-15 | |

- Continue to apply for full-time career opportunities or graduate school.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Human Dimensions of Conservation and Ecology |
|---|
| BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L) |
| BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU) |
| BIO 363: From Cells to Society: Understanding Complexity |
| BIO 412: Conservation in Practice |
| JUS 444: Environment and Justice (L & C) or FIS 444: Environment and Justice (L & C) |
| SOS 310: Equity, Justice and Sustainability |
| SOS 321: Policy and Governance in Sustainable Systems |
| SOS 325: The Economics of Sustainability |
| SOS 349: Nature, Sustainability and Religion or REL 349: Nature, Sustainability and Religion or JST 349: Nature, Sustainability and Religion |

| Conservation Biology and Ecology Field Methods |
|---|
| BIO 386: General Entomology |
| BIO 405: Sonoran Desert Field Botany |
| BIO 407: Novel Ecosystems |
| BIO 410: Techniques in Conservation Biology and Ecology (L) |
| BIO 472: Mammalogy |
| BIO 484: Internship |
| BIO 494: Discovering Biodiversity |
| BIO 494: Lichenology |

| Physical Science Requirement Courses |
|---|
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) |
| GIS 205: Geographic Information Science I (CS) |
| GIS 211: Geographic Information Science II (CS) |
| GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I: Laboratory (SQ) |
| GLG 327: Earth's Critical Zone or SOS 374: Earth's Critical Zone |
| GPH 111: Introduction to Physical Geography (SQ) |
| PHY 101: Introduction to Physics (SQ) or PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |

| Quantitative & Spatial Analysis Courses |
|---|
| BIO 411: Quantitative Methods in Conservation and Ecology |
| BIO 415: Statistical Models for Biology (CS) |
| GIS 311: Geographic Information Science III (CS) |
| GIS 470: Advanced Statistics for Geography and Planning (CS) |
| GIS 471: Spatial Statistics for Geography and Planning |

| Advanced Ecology |
|---|
| BIO 331: Animal Behavior |
| BIO 421: Landscape Ecology or SOS 421: Landscape Ecology |
| BIO 422: Ecosystem Ecology |
| BIO 423: Population and Community Ecology |
| BIO 425: Marine Conservation Ecology |
| SOS 326: Sustainable Ecosystems |

| Advanced Human Dimensions of Conservation and Ecology |
|---|
| BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L) |
| BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU) |
| BIO 412: Conservation in Practice |
| BIO 494: Society and Natural Resource Management |

GIS 494: GIS for Climate Change Science

GIS 494: GIS Methods for Non-Majors

SOS 212: Systems, Dynamics and Sustainability

JUS 444: Environment and Justice (L & C) or FIS 444: Environment and Justice (L & C)

PRM 370: Public Lands Management

PRM 380: Wilderness and Parks in America (SB & H)

REL 349: Nature, Sustainability and Religion or JST 349: Nature, Sustainability and Religion or SOS 349: Nature, Sustainability and Religion

SOS 310: Equity, Justice and Sustainability

SOS 321: Policy and Governance in Sustainable Systems

SOS 325: The Economics of Sustainability

Advanced Ecology, Biodiversity, Field or Research Course

ABS 376: Wildlife Ecology

ABS 380: Restoration and Wildlife Plants

ABS 470: Life History of Mammals

ABS 476: Big Game Habitat Management

ABS 481: Riparian and Wetland Restoration

ASM 443: Primatology

BIO 303: Plant Diversity and Evolution (L or SG)

BIO 313: The Flora of Arizona

BIO 325: Oceanography

BIO 331: Animal Behavior

BIO 370: Vertebrate Zoology

BIO 385: Comparative Invertebrate Zoology

BIO 386: General Entomology

BIO 405: Sonoran Desert Field Botany

BIO 410: Techniques in Conservation Biology and Ecology (L)

BIO 419: Physiological Plant Ecology

BIO 421: Landscape Ecology

BIO 430: Plant Geography or GPH 422: Plant Geography

BIO 436: Sociobiology and Behavioral Ecology

BIO 461: Comparative Animal Physiology

BIO 492: Honors Directed Study

BIO 495: Undergraduate Research

SOS 424: Dynamic Modeling in Social and Ecological Systems

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biological Sciences (Conservation Biology and Ecology), BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABSCCBS

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| BIO 181: General Biology I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • View ASU Online first-year student registration information here.<br>• Create a resume and Handshake account with the Career & Professional Development Center to explore research or internship opportunities<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Join a student organization |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 15 - 22 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Select your career interest area and play me3@ASU.<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 22 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • If interested in health-related professional programs, research the timeline for admissions preparation and general admission requirements. |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement

| Term 3 - A 29 - 35 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 320: Fundamentals of Ecology | 3 | C | • It is not recommended to take more than two lab courses in a term.<br>• Review the Career Guide for ASU Online students to learn about available career planning resources. |
| Physical Science Requirement Course | 3-4 | C | |
| Term hours subtotal: | 6-7 | | |

| Term 3 - B 35 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | • Meet with the Career & Professional Development Center to learn how to develop professional skills |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 41 - 47 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | • BIO 322 must be completed by Term 5A; however, students can choose to take it this term<br>• Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and The College Science and Society courses.<br>• Develop your professional online presence |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 47 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 54 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 322: Conservation of Biodiversity | 3 | C | • BIO 322 will be used to satisfy the Upper Division Science and Society requirement for The College<br>• If interested in health-related professional programs, use ASU's Health Professions Advising to prepare for application.<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)<br>• Explore graduate school or full-time career opportunities |
| BIO 345: Evolution | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 60 - 66 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Human Dimensions of Conservation and Ecology Course | 3 | C | • Network in your career interest area. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 66 - 72 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Conservation Biology and Ecology Field Methods Course | 3 | C | • Students wanting to use BIO 484 internship to fulfill the Conservation Biology and Ecology Field Methods requirement must seek faculty approval first.<br>• Work with your academic advisor to align your additional major requirements and major elective courses with your career aspirations<br>• Use Handshake to research employment opportunities |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Advanced Ecology Course | 3 | C | • Meet with your advisor to verify remaining degree requirements have been met prior to Term 8<br>• Explore or apply for full-time career opportunities or graduate school |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 97 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Advanced Human Dimensions of Conservation and Ecology Course | 3 | C | • Explore other resources available through ASU's Career and Professional Development Center |
| Upper Division Elective | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 8 - B 97 - 106 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Quantitative & Spatial Analysis Course | 3-4 | C | • Gather professional references |
| *Complete 2 courses:* | | | |

| | | | |
|---|---|---|---|
| Elective | 6 | | |
| Term hours subtotal: | 9-10 | | |

| Term 9 - A 106 - 113 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 4 | | • Continue to apply for full-time career opportunities or graduate school |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 9 - B 113 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Advanced Ecology, Biodiversity, Field or Research Course | 3-4 | C | |
| Elective | 4 | | |
| Term hours subtotal: | 7-8 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Human Dimensions of Conservation and Ecology |
|---|
| BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L) |
| BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU) |
| BIO 363: From Cells to Society: Understanding Complexity |
| BIO 412: Conservation in Practice |
| SOS 310: Equity, Justice and Sustainability |
| SOS 321: Policy and Governance in Sustainable Systems |
| SOS 325: The Economics of Sustainability |

| Conservation Biology and Ecology Field Methods |
|---|
| BIO 407: Novel Ecosystems |
| BIO 410: Techniques in Conservation Biology and Ecology (L) |
| BIO 484: Internship |
| BIO 494: Discovering Biodiversity |

| Physical Science Requirement Courses |
|---|
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) |
| GIS 205: Geographic Information Science I (CS) |
| GIS 211: Geographic Information Science II (CS) |
| GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I: Laboratory (SQ) |
| GLG 327: Earth's Critical Zone or SOS 374: Earth's Critical Zone |
| GPH 111: Introduction to Physical Geography (SQ) |
| PHY 101: Introduction to Physics (SQ) or PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |

| Quantitative & Spatial Analysis Courses |
|---|
| BIO 415: Statistical Models for Biology (CS) |
| GIS 311: Geographic Information Science III (CS) |
| GIS 470: Advanced Statistics for Geography and Planning (CS) |

| Advanced Ecology |
|---|
| BIO 331: Animal Behavior |
| BIO 422: Ecosystem Ecology |
| BIO 423: Population and Community Ecology |
| BIO 425: Marine Conservation Ecology |

| Advanced Human Dimensions of Conservation and Ecology |
|---|
| BIO 304: Plants and Civilization (L) or ENV 302: Plants and Civilization (L) |
| BIO 324: Environmental Ethics (HU) or PHI 310: Environmental Ethics (HU) |

GIS 471: Spatial Statistics for Geography and Planning

GIS 494: GIS for Climate Change Science

GIS 494: GIS Methods for Non-Majors

SOS 212: Systems, Dynamics and Sustainability

SOS 326: Sustainable Ecosystems

BIO 494: Society and Natural Resource Management

PRM 370: Public Lands Management

PRM 380: Wilderness and Parks in America (SB & H)

SOS 310: Equity, Justice and Sustainability

SOS 321: Policy and Governance in Sustainable Systems

SOS 325: The Economics of Sustainability

Advanced Ecology, Biodiversity, Field or Research Course

ASM 443: Primatology

BIO 331: Animal Behavior

BIO 370: Vertebrate Zoology

BIO 385: Comparative Invertebrate Zoology

BIO 430: Plant Geography or GPH 422: Plant Geography

BIO 495: Undergraduate Research

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Biological Sciences (Genetics, Cell and Developmental Biology), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABSCGBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • LIA 101, ASU 101, or other First-Year Seminar required of all first-year students<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement<br>• Select your career interest area and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student organization<br>• Create a resume and Handshake account with the Career & Professional Development Center<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Attend a Pre-Health 101 Session<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics OR MBB 347: Molecular Genetics: From Genes to Proteins | 4 | C | • Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235 this term. See pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester.<br>• It is not recommended to take more than two lab courses in a term.<br>• On-campus students are encouraged to take MBB 347 to satisfy the genetics requirement. |
| CHM 231: Elementary Organic Chemistry (SQ) | 3 | C | |
| CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 1 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session
- Explore minors or certificates

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 345: Evolution | 3 | C | • Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See pre-health website for more information.<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Meet with the Career & Professional Development Center to learn how to develop professional skills |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry | 6 | C | • Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See pre-health website for more information<br>• BIO 351 is typically only taught in the Fall semester<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad) |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 4 | | |
| Term hours subtotal: | 17 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry | 3 | C | • Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See pre-health website for more information<br>• Use Handshake to research employment opportunities or explore graduate school |
| BIO 308: Plant Physiology OR BIO 360: Animal Physiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations OR MBB 440: Functional Genomics or BIO 440: Functional Genomics | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Major Laboratory/Research Course | 2-4 | C | |

| | | |
|---|---|---|
| Upper Division Major Elective | 3 | C |
| Upper Division Science and Society Elective | 3 | C |
| Upper Division Literacy and Critical Inquiry (L) | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 14-16 | |

- Meet with your advisor to verify remaining degree requirements have been met prior to Term 8

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Major Laboratory/Research Course | 1 | C | • Continue to apply for full-time career opportunities or graduate school |
| BIO 308: Plant Physiology OR BIO 360: Animal Physiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations OR MBB 440: Functional Genomics or BIO 440: Functional Genomics | 3 | C | |
| Upper Division Major Elective | 2-4 | C | |
| Upper Division Elective | 3 | | |
| Elective | 4 | | |
| Term hours subtotal: | 13-15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Major Laboratory/Research Courses | Major Electives |
|---|---|
| BCH 367: Elementary Biochemistry Laboratory | BCH 367: Elementary Biochemistry Laboratory |
| BIO 308: Plant Physiology | BIO OR HPS OR MBB OR MIC 3** Elective |
| BIO 342: General Genetics Laboratory | BIO OR HPS OR MBB OR MIC 4** Elective |
| BIO 352: Laboratory in Vertebrate Developmental Anatomy | |
| BIO 354: Cell Biology Laboratory | |
| BIO 357: Cell and Molecular Biology Laboratory | |
| BIO 361: Animal Physiology Laboratory | |
| BIO 370: Vertebrate Zoology | |
| BIO 390: Medical/Dental Field Placement or BIO 484: Internship or MIC 484: Internship | |
| BIO 415: Statistical Models for Biology (CS) | |
| BIO 439: Computing for Research | |
| BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging | |
| BIO 475: Advanced Human Anatomy | |

| |
|---|
| BIO 492: Honors Directed Study or MBB 492: Honors Directed Study or MIC 492: Honors Directed Study |
| BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research |
| MBB 343: Genetic Engineering and Society (L) or BIO 343: Genetic Engineering and Society (L) |
| MBB 350: Applied Genetics |
| MIC 206: Microbiology Laboratory (SG) AND MIC 220: Biology of Microorganisms |
| MIC 302: Advanced Bacteriology Laboratory (L) |
| MIC 421: Experimental Immunology |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biological Sciences (Genetics, Cell and Developmental Biology), BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABSCGBS

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.

| **Term 1 - A 0 - 8 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| BIO 181: General Biology I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 8 | | |

| **Term 1 - B 8 - 15 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • View ASU Online first-year student registration information here.<br>• Create a resume and Handshake account with the Career & Professional Development Center to explore research or internship opportunities<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Join a student organization |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| **Term 2 - A 15 - 22 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Select your career interest area and play me3@ASU.<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Term hours subtotal: | 7 | | |

| **Term 2 - B 22 - 29 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | |

| | | |
|---|---|---|
| STP 231: Statistics for Life Science (CS) | 3 | C |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 7 | |

- If interested in health-related professional programs, research the timeline for admissions preparation and general admission requirements.
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement

| **Term 3 - A 29 - 36 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 340: General Genetics | 4 | C | • Due to lower-division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and The College Science and Society courses.<br>• It is not recommended to take more than two lab courses in a term.<br>• Review the Career Guide for ASU Online students to learn about available career planning resources. |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 7 | | |

| **Term 3 - B 36 - 42 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | • Meet with the Career & Professional Development Center to learn how to develop professional skills |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| **Term 4 - A 42 - 48 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BIO 345: Evolution | 3 | C | • Develop your professional online presence |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 4 - B 48 - 54 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 231: Elementary Organic Chemistry (SQ) | 3 | C | • Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the pre-health website for more information<br>• If CHM 233 is taken, then CHM 234 must be taken the following semester<br>• Organic Chemistry labs (CHM 237 for CHM 233, and CHM 238 for CHM 234) are required and available at ASU over the summer. Please speak with an advisor for more information. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| **Summer 4 54 - 55 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 1 | C | • ASU Online students will complete all experiments for the CHM 235 organic |
| Term hours subtotal: | 1 | | |

chemistry lab at the ASU Tempe Campus during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.
- Pre-health students will complete CHM 237 and CHM 238 organic chemistry labs instead of CHM 235.

| Term 5 - A 55 - 62 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry | 3 | C | • Due to lower-division prerequisites, pre-health students are encouraged to choose upper-division General Studies (HU or SB) and The College Science and Society courses.<br>• If interested in health-related professional programs, use ASU's Health Professions Advising to prepare for application.<br>• Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See the pre-health website for more information<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad)<br>• Explore graduate school or full-time career opportunities. |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 62 - 68 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 360: Animal Physiology OR MBB 440: Functional Genomics or BIO 440: Functional Genomics OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations | 3 | C | • Network in your career interest area. |
| Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 68 - 74 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry | 3 | C | • Work with your academic advisor to align your additional major requirements and major elective courses with your career aspirations<br>• Use Handshake to research employment opportunities |
| Upper Division Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 74 - 80 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 360: Animal Physiology OR MBB 440: Functional Genomics or BIO 440: Functional Genomics OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 7 - A 80 - 86 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry | 3 | C | • Meet with your advisor to verify remaining degree requirements have been met prior to Term 8<br>• Explore or apply for full-time career opportunities or graduate school |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 86 - 92 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Elective | 6 | | • Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See the pre-health website for more information |
| Term hours subtotal: | 6 | | |

| Term 8 - A 92 - 97 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:*<br>Upper Division Major Elective | 5 | C | • Explore other resources available through ASU's Career and Professional Development Center |
| Term hours subtotal: | 5 | | |

| Term 8 - B 97 - 104 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 7 | | • Gather professional references |
| Term hours subtotal: | 7 | | |

| Term 9 - A 104 - 109 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 5 | | |

| Term 9 - B 109 - 116 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Major Laboratory/Research Course | 1 | C | • Continue to apply for full-time career opportunities or graduate school |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 7 | | |

| Term 10 - A 116 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Major Laboratory/Research Course | 2-4 | C | |
| Elective | 2 | | |
| Term hours subtotal: | 4-6 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must

be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Major Laboratory/Research Courses | Major Electives |
|---|---|
| BCH 367: Elementary Biochemistry Laboratory | BCH 367: Elementary Biochemistry Laboratory |
| BIO 342: General Genetics Laboratory | BIO OR HPS OR MBB OR MIC 3** Elective |
| BIO 357: Cell and Molecular Biology Laboratory | BIO OR HPS OR MBB OR MIC 4** Elective |
| BIO 361: Animal Physiology Laboratory | |
| BIO 370: Vertebrate Zoology | |
| BIO 415: Statistical Models for Biology (CS) | |
| BIO 439: Computing for Research | |
| BIO 475: Advanced Human Anatomy | |
| BIO 492: Honors Directed Study or MIC 492: Honors Directed Study or MBB 492: Honors Directed Study | |
| BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research | |
| MIC 206: Microbiology Laboratory (SG) AND MIC 220: Biology of Microorganisms | |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Biological Sciences (Neurobiology, Physiology and Behavior), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABSCABS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • LIA 101, ASU 101, or other First-Year Seminar required of all first-year students.<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement<br>• Select your career interest area and play me3@ASU |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student organization<br>• Create a resume and Handshake account with the Career & Professional Development Center<br>• Attend a Pre-Health 101 Session<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 340: General Genetics OR MBB 347: Molecular Genetics: From Genes to Proteins | 4 | C | • Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and 235 this term. See pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester.<br>• It is not recommended to take more than two lab courses in a term.<br>• Students are encouraged to take MBB 347 to satisfy the genetics requirement. |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 4 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session
- Explore minors or certificates

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 345: Evolution | 3 | C | • Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester<br>• Meet with the Career & Professional Development Center to learn how to develop professional skills<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.) |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 7 | | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 331: Animal Behavior OR BIO 360: Animal Physiology | 3 | C | • Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See pre-health website for more information<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad) |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 331: Animal Behavior OR BIO 360: Animal Physiology | 3 | C | • Pre-health students should take PHY 112 and PHY 114 this term instead of an elective. See pre-health website for more information.<br>• BIO 476 (typically a fall course) and BIO 477 (typically a spring course) together can be taken in place of BIO 467, if desired.<br>• Explore graduate school or full-time career opportunities. |
| BIO 436: Sociobiology and Behavioral Ecology OR BIO 461: Comparative Animal Physiology OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 436: Sociobiology and Behavioral Ecology OR BIO 461: Comparative Animal Physiology OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology OR MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations | 3 | C | • BIO 476 (typically a fall course) and BIO 477 (typically a spring course) together can be taken in place of BIO 467, if desired.<br>• Explore or apply for full-time career opportunities or graduate school. |
| BCH 361: Advanced Principles of Biochemistry | 3 | C | |

| | | | |
|---|---|---|---|
| Upper Division Major Comparative Structure and Function Course | 3-4 | C | • Meet with your advisor to verify remaining degree requirements have been met prior to Term 8. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 14-15 | | |

| **Term 8 107 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Major Electives | 6-8 | C | • Continue to apply for full-time career opportunities or graduate school |
| ★ Major Laboratory/Research Course | 1-4 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 13-18 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Major Comparative Structure and Function Courses |
|---|
| BIO 351: Developmental Biology |
| BIO 370: Vertebrate Zoology |
| BIO 385: Comparative Invertebrate Zoology |
| BIO 386: General Entomology |
| BIO 461: Comparative Animal Physiology |
| PSY 426: Neuroanatomy |

| Major Laboratory/Research Courses |
|---|
| BCH 367: Elementary Biochemistry Laboratory |
| BIO 308: Plant Physiology |
| BIO 342: General Genetics Laboratory |
| BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L) |
| BIO 352: Laboratory in Vertebrate Developmental Anatomy |
| BIO 354: Cell Biology Laboratory |
| BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS) |
| BIO 361: Animal Physiology Laboratory |
| BIO 370: Vertebrate Zoology |
| BIO 390: Medical/Dental Field Placement or BIO 484: Internship or MIC 484: Internship |
| BIO 415: Statistical Models for Biology (CS) |
| BIO 435: Research Techniques in Animal Behavior |

| Upper Division Major Electives |
|---|
| BIO OR MBB OR MIC 3** Elective |
| BIO OR MBB OR MIC 4** Elective |
| BMI 465: Introduction to Comparative Genomics |
| PSY 470: Psychopharmacology |

| |
|---|
| BIO 439: Computing for Research |
| BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging |
| BIO 475: Advanced Human Anatomy |
| BIO 492: Honors Directed Study or MBB 492: Honors Directed Study or MIC 492: Honors Directed Study |
| BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research |
| MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 446: Techniques in Molecular Biology/Genetics Lab |
| MIC 421: Experimental Immunology |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biophysics, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABIPHBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) | 4-3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest area and play me3@ASU |
| BIO 181: General Biology I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15-14 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) | 4-3 | C | • Join a physics student organization. |
| PHY 150: Physics I (SQ) OR PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| BIO 182: General Biology II (SG) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15-14 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | |
| MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA) | 4-3 | C | |

| | | |
|---|---|---|
| PHY 151: Physics II (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C |
| Science and Society Elective | 3 | C |
| Maintain 2.50 GPA in Critical Tracking Courses. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15-14 | |

| **Term 4 45 - 59 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | • Explore research fields within physics. |
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C | |
| PHY 252: Physics III (SQ) OR PHY 241: University Physics III AND PHY 202: Programming for Physicists | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| **Term 5 59 - 74 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 345: Physical Chemistry I OR PHY 314: Quantum Physics I | 3 | C | • CHM 345 is recommended.<br>• Gain research experience |
| BIO 360: Animal Physiology OR BIO 353: Cell Biology | 3 | C | |
| CHM 233: General Organic Chemistry I | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 74 - 89 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CHM 346: Physical Chemistry II OR CHM 341: Elementary Physical Chemistry | 3 | C | • If PHY 314 was completed in Term 5 students must enroll in CHM 341.<br>• Use Handshake to research employment opportunities.<br>• Start preparing for after graduation. |
| PHY 312: Mechanics and Electromagnetism | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 89 - 104 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 371: Driving Forces in Biology | 3 | C | • Develop your professional online presence |
| PHY 472: Advanced Biophysics Lab | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR PHY 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHY 473: From Molecules to Cells | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Elective | 1 | | |
| Term hours subtotal: | 16 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Biophysics, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABIPHBS

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • Join a student club or professional organization. |
| BIO 181: General Biology I (SQ) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| BIO 182: General Biology II (SG) | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 8 | | |

| Term 3 - A 28 - 35 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | |

| | | | |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | • Review the Career Guide for ASU Online students to learn about available career planning resources. |
| Term hours subtotal: | 7 | | |

| Term 3 - B 35 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 8 | | |

| Term 4 - A 43 - 50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Explore an internship. |
| PHY 241: University Physics III AND PHY 202: Programming for Physicists | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 50 - 56 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C | • Explore research fields within physics. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 56 - 65 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 360: Animal Physiology OR BIO 353: Cell Biology | 3 | C | • Explore Research Experiences for Undergraduates (REU) opportunities. |
| Science and Society Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 65 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 314: Quantum Physics I | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 74 - 80 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 341: Elementary Physical Chemistry | 3 | C | • Use Handshake to research employment opportunities.<br>• Start preparing for after graduation. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 80 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 312: Mechanics and Electromagnetism | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |

| | | |
|---|---|---|
| Upper Division Elective | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 9 | |

| Term 7 - A 89 - 98 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHY 371: Driving Forces in Biology | 3 | C | • Develop your professional online presence. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 98 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHY 472: Advanced Biophysics Lab | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 107 - 113 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHY 473: From Molecules to Cells | 3 | C | • Create a resume.<br>• Complete a virtual practice interview. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 113 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 1 | | |
| Term hours subtotal: | 7 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Chemistry, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACHMBA

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students placing into lower level math can still graduate in 4 years -- see an academic advisor for planning.<br>• Select your Career Interest Areas and play me3@ASU. |
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) | 4-3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15-14 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Connect with a career advisor by registering for a Handshake account. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) | 4-3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15-14 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Discuss study abroad opportunities with a School of Molecular Sciences advisor or an International Coordinator. |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| PHY 111: General Physics (SQ) | 3 | C | |
| PHY 113: General Physics Laboratory (SQ) | 1 | C | |

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) | 3 | C | • Create a first draft resume. |
| CHM 234: General Organic Chemistry II | 3 | C | |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| PHY 114: General Physics Laboratory (SQ) | 1 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 325: Analytical Chemistry | 3 | | • CHM 326 is only offered in the Fall semester.<br>• This is an ideal semester to study abroad. CHM 325 and CHM 326 may be taken in Term 7. |
| CHM 326: Advanced Analytical Chemistry Laboratory | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 6 74 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 341: Elementary Physical Chemistry | 3 | C | • Explore internship opportunities. |
| CHM 343: Elementary Physical Chemistry Laboratory | 1 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 453: Inorganic Chemistry | 3 | C | • Apply for full-time career opportunities.<br>• Students should take BCH 361/367 as their major electives to ensure competitiveness in pre-health programs where required and/or science industry related careers. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR CHM 484: Internship | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHM OR BCH Upper Division Elective | 3 | C | • Upper Division CHM or BCH Elective must be completed at the Tempe campus and cannot be met with BCH 341, BCH 371, BCH 372, or CHM 480. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 4 | | |
| Elective | 2-4 | | |
| Term hours subtotal: | 15-17 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Chemistry, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LACHMBA

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Areas and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Connect with a career advisor by registering for a Handshake account. |
| MAT 266: Calculus for Engineers II (MA) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 35 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| PHY 111: General Physics (SQ) | 3 | C |
| PHY 113: General Physics Laboratory (SQ) | 1 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Term hours subtotal: | 8 | |

- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Discuss study abroad opportunities with a School of Molecular Sciences advisor or an International Coordinator.

| Term 3 - B 35 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 112: General Physics (SQ) | 3 | C | |
| PHY 114: General Physics Laboratory (SQ) | 1 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 8 | | |

| Term 4 - A 43 - 50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Create a first draft resume. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 50 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 234: General Organic Chemistry II | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Summer 4 57 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | • ASU Online students will complete all experiments for the Organic Chemistry labs at the ASU Tempe campus during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Term hours subtotal: | 2 | | |

| Term 5 - A 59 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 341: Elementary Physical Chemistry | 3 | C | |
| CHM 343: Elementary Physical Chemistry Laboratory | 1 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 66 - 74 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 8 | | |

| Term 6 - A 74 - 80 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Explore internship opportunities. |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 80 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHM 325: Analytical Chemistry | 3 | C | • CHM 325 is only offered in the Spring semester. |
| Upper Division Elective | 4 | | |
| Term hours subtotal: | 7 | | |

| Summer 6 87 - 88 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 326: Advanced Analytical Chemistry Laboratory | 1 | C | • ASU Online students will complete all experiments for the Advanced Analytical Chemistry lab at the ASU Tempe campus in a compressed format in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| Term hours subtotal: | 1 | | |

| Term 7 - A 88 - 96 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 8 | | |

| Term 7 - B 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHM OR BCH Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 102 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHM 453: Inorganic Chemistry | 3 | C | • CHM 453 is only offered in the Spring semester. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |

Term hours subtotal: 9

Hide Course List(s)/Track Group(s)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Chemistry, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACHMBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Areas and play me3@ASU. |
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) | 4-3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15-14 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | • Connect with a career advisor by registering for a Handshake account. |
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) | 4-3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15-14 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Create a first draft resume. |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA) | 4-3 | C | |

| | | |
|---|---|---|
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15-14 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 240: Mathematical Methods in Chemistry (CS) | 3 | C | • CHM 240 is only offered in the Spring semester.<br>• Transfer students may need to take MAT 274 or MAT 275 (Differential Equations) and MAT 242 (Linear Algebra) in place of the five credit hours of Electives in Term 4. These courses will allow the student to meet Term 4 critical tracking and the prerequisites for CHM 345 in Term 5. Will still need substitution course; discuss options with major advisor. |
| CHM 234: General Organic Chemistry II | 3 | C | |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 345: Physical Chemistry I | 3 | C | • CHM 326, CHM 345, and CHM 348 are only offered in the Fall semester. |
| CHM 325: Analytical Chemistry | 3 | C | |
| CHM 326: Advanced Analytical Chemistry Laboratory | 1 | C | |
| CHM 348: Physical Chemistry Laboratory I (L) | 1 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 6 74 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 346: Physical Chemistry II | 3 | C | • CHM 327, CHM 328, CHM 346, and CHM 349 are only offered in the Spring semester.<br>• Explore internship opportunities. |
| CHM 327: Instrumental Analysis | 3 | C | |
| CHM 328: Instrumental Analysis Laboratory | 2 | C | |
| CHM 349: Physical Chemistry Laboratory II (L) | 1 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 89 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 453: Inorganic Chemistry | 3 | C | • Upper Division CHM or BCH Elective must be completed at the Tempe campus and cannot be met with BCH 341, BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, or CHM 480.<br>• Apply for full-time career opportunities. |
| Science and Society Elective | 3 | C | |
| CHM OR BCH Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR CHM 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 8 104 - 120 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ CHM 452: Inorganic Chemistry Laboratory (L) | 1 | C | • CHM 452 and CHM 460 are only offered in the Spring semester. |
| CHM 460: Biological Chemistry | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Chemistry (Environmental Chemistry), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACHMEBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Areas and play me3@ASU. |
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) | 4-3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15-14 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C | • Connect with a career advisor by registering for a Handshake account. |
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) | 4-3 | C | |
| PHY 121: University Physics I: Mechanics (SQ) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PHY 122: University Physics Laboratory I (SQ) | 1 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15-14 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Create a first draft resume. |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C | |
| MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA) | 4-3 | C | |

| | | |
|---|---|---|
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15-14 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 240: Mathematical Methods in Chemistry (CS) | 3 | C | • CHM 240 is only offered in the Spring semester.<br>• Transfer students may need to take MAT 274 or MAT 275 (Differential Equations) and MAT 242 (Linear Algebra) in place of the 5 credit hours of Electives. These two courses will allow students to meet Term 4 critical tracking and the prerequisites for CHM 345 in Term 5. Will still require a substitution; discuss options with major advisor. |
| CHM 234: General Organic Chemistry II | 3 | C | |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 302: Environmental Chemistry | 3 | C | • CHM 302, CHM 345, and CHM 348 are only offered in the Fall semester. |
| CHM 345: Physical Chemistry I | 3 | C | |
| CHM 348: Physical Chemistry Laboratory I (L) | 1 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BCH 361: Advanced Principles of Biochemistry | 3 | C | • CHM 303 is only offered in the Spring semester.<br>• Explore internship opportunities. |
| BCH 367: Elementary Biochemistry Laboratory | 1 | C | |
| CHM 303: Environmental Chemistry Laboratory (L) | 2 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 325: Analytical Chemistry | 3 | C | • CHM 326 is only offered in the Fall semester and must be taken on the Tempe campus.<br>• GLG 321 is only offered in the Fall semester.<br>• Apply for full-time career opportunities. |
| GLG 321: Mineralogy | 3 | C | |
| CHM 326: Advanced Analytical Chemistry Laboratory | 1 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Upper Division Elective OR CHM 484: Internship | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CHM 481: Geochemistry | 3 | C | • CHM 481 is only offered in the Spring semester. |
| Upper Division Science and Society Elective | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 7 | | |
| Term hours subtotal: | 13 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Civic and Economic Thought and Leadership, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACELBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL 100: Great Ideas of Politics and Ethics (HU) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL 200: Great Debates in American Politics (HU) | 3 | C | • Activate your Handshake account and build out your profile<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 or ENG 105 or ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| CEL Elective | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 14 | |

| Term 4 44 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • See your academic advisor to explore internship opportunities.<br>• Secure a part-time job or volunteer experience. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 17 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL 300: Debating Capitalism | 3 | C | • CEL 499 and additional CEL 484 internship hours may be used to satisfy the CEL elective requirement.<br>• Explore graduate programs with faculty and your advisor. |
| Upper Division American Political Thought | 3 | C | |
| Upper Division Related Area Electives | 3 | C | |
| CEL Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Leadership and Statesmanship for the 21st Century | 3 | C | • Develop your professional online presence.<br>• Use Handshake to research employment opportunities. |
| CEL 484: Internship | 3 | C | |
| Upper Division Related Area Electives | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Moral and Political Thought | 3 | C | • Gather online references.<br>• Update and polish your resume.<br>• Apply to graduate programs. |
| CEL 475: Statesmanship and American Grand Strategy (HU) | 3 | C | |
| CEL Upper Division Elective | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL 485: Capstone Seminar in Civic and Economic Thought and Leadership | 3 | C | • Complete an in person or virtual practice interview.<br>• Apply for full-time career opportunities. |
| Upper Division Economic Thought and Political Economy | 3 | C | |
| Upper Division Elective | 3 | | |

| | |
|---|---|
| *Complete 2 courses:*<br>Elective | 5 |
| Term hours subtotal: | 14 |

Hide Course List(s)/Track Group(s)

| Moral and Political Thought | American Political Thought | Economic Thought and Political Economy |
|---|---|---|
| CEL 305: Classical Political Statecraft | CEL 394: Debates in American Civic and Public Affairs | CEL 304: Classical to Modern Economic Thought |
| CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty | CEL 394: Democracy in America | CEL 345: Modern Economic Classics |
| CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826 | CEL 394: Liberalism and Conservatism in America | CEL 350: Philosophy, Politics and Economics (SB) |
| CEL 394: Comparative Political Thought | CEL 394: Lincoln: Rhetoric, Thought, Statesmanship | CEL 394: The American Political Economy |
| CEL 394: Faith and Reason: The Trial of Galileo | CEL 394: Race and the American Story | CEL 494: Adam Smith and Classical Political Economy |
| CEL 394: Justice and Virtue | CEL 494: Arizona Politics & Constitution | |
| CEL 394: Medieval Political Thought | CEL 494: The American Constitution I | |
| CEL 394: Natural Law and the Common Good | CEL 494: The American Constitution II: Civil Liberties | |
| CEL 494: Political Thought: Islam, Hinduism, Confucianism | | |
| CEL 494: Politics & Literature | | |

| Leadership and Statesmanship for the 21st Century | Related Area Electives |
|---|---|
| CEL 394: GIE India: Politics and Leadership | AFR Upper Division Elective |
| CEL 394: Leadership & Service GIE: Israel & West Bank | COM Upper Division Elective |
| CEL 394: Leading a Life of Meaning | ECN Upper Division Elective |
| CEL 394: Left and Right Around the World | HON Upper Division Elective |
| CEL 494: Globalism, Nationalism, and Citizenship | HST Upper Division Elective |
| CEL 494: National Security Policy Design | JUS Upper Division Elective |
| CEL 494: Political Leadership and Statesmanship | PHI Upper Division Elective |
| | POS Upper Division Elective |
| | SGS Upper Division Elective |
| | SOS Upper Division Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Civic and Economic Thought and Leadership, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACETLBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL 100: Great Ideas of Politics and Ethics (HU) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL 200: Great Debates in American Politics (HU) | 3 | C | • Activate your Handshake account and build out your profile.<br>• Join a student club or professional organization |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL Elective | 3 | C | |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| | | Minimum | |
|---|---|---|---|

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | • See your academic advisor to explore internship opportunities.<br>• Secure a part-time job or volunteer experience. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL 300: Debating Capitalism | 3 | C | • CEL 499 and additional CEL 484 internship hours may be used to satisfy the CEL elective requirement.<br>• Explore graduate programs with faculty and your advisor. |
| Upper Division Moral and Political Thought | 3 | C | |
| CEL 484: Internship | 3 | Y | |
| Upper Division Related Area Electives | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 301: Empirical Political Inquiry (SB) OR SGS 305: Empirical Political Inquiry (SB) | 3 | C | • Develop your professional online presence.<br>• Use Handshake to research employment opportunities. |
| Upper Division American Political Thought | 3 | C | |
| Upper Division Related Area Electives | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL 475: Statesmanship and American Grand Strategy (HU) | 3 | C | • Gather professional references.<br>• Update and polish your resume.<br>• Apply to graduate programs. |
| POS 401: Political Statistics (CS) OR SGS 401: Political Statistics (CS) | 3 | C | |
| Upper Division Leadership and Statesmanship for the 21st Century | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CEL 485: Capstone Seminar in Civic and Economic Thought and Leadership | 3 | C | • Complete an in person or virtual practice interview.<br>• Apply for full-time career opportunities. |
| Upper Division Economic Thought and Political Economy | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Moral and Political Thought |
|---|
| CEL 305: Classical Political Statecraft |
| CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty |
| CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826 |
| CEL 394: Comparative Political Thought |
| CEL 394: Faith and Reason: The Trial of Galileo |
| CEL 394: Justice and Virtue |
| CEL 394: Medieval Political Thought |
| CEL 394: Natural Law and the Common Good |
| CEL 494: Political Thought: Islam, Hinduism, Confucianism |
| CEL 494: Politics & Literature |

| American Political Thought |
|---|
| CEL 394: Debates in American Civic and Public Affairs |
| CEL 394: Democracy in America |
| CEL 394: Liberalism and Conservatism in America |
| CEL 394: Lincoln: Rhetoric, Thought, Statesmanship |
| CEL 394: Race and the American Story |
| CEL 494: Arizona Politics & Constitution |
| CEL 494: The American Constitution I |
| CEL 494: The American Constitution II: Civil Liberties |

| Economic Thought and Political Economy |
|---|
| CEL 304: Classical to Modern Economic Thought |
| CEL 345: Modern Economic Classics |
| CEL 350: Philosophy, Politics and Economics (SB) |
| CEL 394: The American Political Economy |
| CEL 494: Adam Smith and Classical Political Economy |

| Leadership and Statesmanship for the 21st Century |
|---|
| CEL 394: GIE India: Politics and Leadership |
| CEL 394: Leadership & Service GIE: Israel & West Bank |
| CEL 394: Leading a Life of Meaning |
| CEL 394: Left and Right Around the World |
| CEL 494: Globalism, Nationalism, and Citizenship |
| CEL 494: National Security Policy Design |
| CEL 494: Political Leadership and Statesmanship |

| Related Area Electives |
|---|
| AFR Upper Division Elective |
| COM Upper Division Elective |
| ECN Upper Division Elective |
| HON Upper Division Elective |
| HST Upper Division Elective |
| JUS Upper Division Elective |
| PHI Upper Division Elective |
| POS Upper Division Elective |
| SGS Upper Division Elective |
| SOS Upper Division Elective |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that

guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Communication, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACOMBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization.<br>• Activate your Handshake account and build out your profile. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 207: Introduction to Communication Inquiry | 3 | C | • Develop your skills.<br>• Create a first draft resume. |
| COM 225: Public Speaking (L) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 17 | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 308: Advanced Research Methods in Communication (L) | 3 | C | • Select COM electives in consultation with academic advisor.<br>• Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.<br>• Explore an internship. |
| COM Elective | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 2 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>COM 110: Elements of Interpersonal Communication (SB) or COM 310: Relational Communication (SB) OR COM 250: Communication and the Workplace (SB) OR COM 241: Introduction to Oral Interpretation (L or HU) OR COM 263: Elements of Intercultural Communication (SB & C & G) OR COM 321: Rhetorical Theory and Research ((L or HU) & H) | 6 | C | • Students will select two Areas of Emphasis from the five available options shown below and complete both required courses in each of the two chosen areas. The first required course from the two selected areas should be completed in term 5 and the second required course in each selected area should be completed in term 6. The elective courses in each Area of Emphasis are suggested for students who wish to direct their elective choices in any particular area. However, any COM course may be taken to satisfy COM electives.<br>• Develop your professional online presence. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective OR COM 484: Internship | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 77 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 407: Advanced Critical Methods in Communication | 3 | C | • Students will select two Areas of Emphasis from the five available options shown below and complete both required courses in each of the two chosen areas. The first required course from the two selected areas should be completed in term 5 and the second required course in each selected area should be completed in term 6.<br>• Use Handshake to research employment opportunities. |
| *Complete 2 courses:*<br>COM 410: Interpersonal Communication Theory and Research (SB) OR COM 421: Rhetoric of Social Issues (HU) OR COM 442: Identity, Performance, and Human Communication OR COM 450: Organizational Communication (SB) OR COM 463: Intercultural Communication in a Global Context (SB & G) | 6 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* COM Upper Division Elective | 6 | C | • It is recommended that upper-division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.<br>• Apply for full-time career opportunities. |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM Upper Division Elective | 3 | C | • It is recommended that upper-division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6. |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- 
  - Students will select two out of five Areas of Emphasis and complete both required courses in each of the two chosen areas. Emphasis areas include Communication and Healthy Relating; Workplace, Organizational, and Leadership Communication; Civility, Advocacy, and Engaging Publics; Communication, Creativity, and Performance; and Communication Across Cultures. The required course sequence for each area is listed at the top of each track list below. The elective courses in each Area of Emphasis are suggested for students who wish to direct their elective choices in any particular area. However, any COM course may be taken to satisfy COM electives.
  - In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper-division elective if not used toward the required courses in the area, but cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

| Communication and Healthy Relating |
|---|
| COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) |
| Electives: |
| COM 230: Small Group Communication (SB) |
| COM 263: Elements of Intercultural Communication (SB & C & G) |
| COM 310: Relational Communication (SB) |
| COM 312: Communication, Conflict, and Negotiation |
| COM 316: Gender and Communication (SB & C) |

| Communication, Creativity and Performance |
|---|
| COM 241: Introduction to Oral Interpretation (L or HU) AND COM 442: Identity, Performance, and Human Communication |
| Electives: |
| COM 194: Communication and Creativity |
| COM 281: Communication Activities |
| COM 341: Social Contexts for Performance |
| COM 441: Performance Studies (HU) |
| COM 445: Narrative Performance (HU) |
| COM 446: Performance of Literature Written by Women ((L or HU) & C) |

| Workplace, Organizational and Leadership Communication |
|---|
| COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB) |
| Electives: |
| COM 230: Small Group Communication (SB) |
| COM 259: Communication in Business and the Professions |
| COM 312: Communication, Conflict, and Negotiation |
| COM 319: Persuasion and Social Influence (SB) |
| COM 377: Communication, Terrorism, and National Security |
| COM 394: Communication, Culture, and New Media Technologies |

| | | |
|---|---|---|
| COM 317: Nonverbal Communication (SB) | | COM 400: Intercultural Business Communication |
| COM 327: Civil Communication | | COM 414: Crisis Communication |
| COM 411: Communication in the Family (SB) | | COM 430: Leadership in Group Communication |
| COM 452: Communication and the Art of Happiness | | COM 452: Communication and the Art of Happiness |
| | | COM 453: Communication Training and Development |

| Communication Across Cultures | Civility, Advocacy and Engaging Publics |
|---|---|
| COM 263: Elements of Intercultural Communication (SB & C & G) AND COM 463: Intercultural Communication in a Global Context (SB & G) | COM 321: Rhetorical Theory and Research ((L or HU) & H) AND COM 421: Rhetoric of Social Issues (HU) |
| Electives: | Electives: |
| COM 317: Nonverbal Communication (SB) | COM 222: Argumentation (L) |
| COM 327: Civil Communication | COM 316: Gender and Communication (SB & C) |
| COM 394: Communication, Culture, and New Media Technologies | COM 320: Communication and Consumerism (SB) |
| COM 442: Identity, Performance, and Human Communication | COM 323: Communication Approaches to Popular Culture (C) |
| COM 465: Intercultural Communication Workshop | COM 325: Advanced Public Speaking and Presentations (L) |
| COM 494: Communication in Multi-National Organizations | COM 326: Court Room Oratory |
| COM 494: Conflict and Intercultural Dialogue | COM 327: Civil Communication |
| | COM 426: Political Communication (SB) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Communication, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LACOMBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• Select your career interest area and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| ASU 101-LA: The ASU Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Activate your Handshake account and build out your profile. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Create a first draft resume. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 34 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| COM 207: Introduction to Communication Inquiry | 3 | C | • Develop your skills. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 225: Public Speaking (L) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 308: Advanced Research Methods in Communication (L) | 3 | C | • Contact Career and Professional Development Services and speak with a career advisor for assistance with career planning and networking. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 47 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | • Explore an internship. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 54 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 110: Elements of Interpersonal Communication (SB) OR COM 310: Relational Communication (SB) | 3 | C | • Students will complete both required courses in each of the two Areas of Emphasis provided below. The first course from each area should be completed in Term 5 (either COM 110 or 310, and COM 250), and the second course from each area should be completed in Term 6. The elective courses in each Area of Emphasis are suggested for students who wish to direct their elective choices in any particular area. However, any COM course may be taken to satisfy COM electives.<br>• Develop your professional online presence. |
| COM 250: Communication and the Workplace (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 66 - 72 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM 410: Interpersonal Communication Theory and Research (SB) | 3 | C | • Students will complete both required courses in each of the two Areas of Emphasis provided below. The first course from each area should be completed in Term 5, and the second course from each area should be completed in term 6.<br>• Use Handshake to research employment opportunities. |
| ★ COM 450: Organizational Communication (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 79 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 7 - A 79 - 85 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM 407: Advanced Critical Methods in Communication | 3 | C | • Select COM electives in conjunction with academic advisor.<br>• It is recommended that COM electives are chosen from the two Areas of Emphasis Elective course lists provided below, however, any COM course may be taken.<br>• Draft or update your resume. |
| COM Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 85 - 91 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Upper Division Elective | 3 | C | • It is recommended that COM electives are chosen from the two Areas of Emphasis Elective course lists provided below, however, any COM course may be taken. |
| Upper Division Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Upper Division Elective | 3 | C | • It is recommended that COM electives are chosen from the two Areas of Emphasis Elective course lists provided below, however, any COM course may be taken.<br>• Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 97 - 103 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 103 - 109 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Upper Division Elective | 3 | C | • It is recommended that COM electives are chosen from the two Areas of Emphasis Elective course lists provided below, however, any COM course may be taken. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 109 - 115 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 115 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Elective | 5 | | |
| ★ Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 5 | | |

- In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper-division elective if not used toward the required courses in the area, but cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

| Communication and Healthy Relating |
|---|
| COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) |
| Electives: |
| COM 230: Small Group Communication (SB) |
| COM 263: Elements of Intercultural Communication (SB & C & G) |
| COM 310: Relational Communication (SB) |
| COM 312: Communication, Conflict, and Negotiation |
| COM 316: Gender and Communication (SB & C) |
| COM 327: Civil Communication |

| Workplace, Organizational and Leadership Communication |
|---|
| COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB) |
| Electives: |
| COM 230: Small Group Communication (SB) |
| COM 259: Communication in Business and the Professions |
| COM 312: Communication, Conflict, and Negotiation |
| COM 319: Persuasion and Social Influence (SB) |
| COM 400: Intercultural Business Communication |
| COM 414: Crisis Communication |
| COM 430: Leadership in Group Communication |
| COM 453: Communication Training and Development |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Communication, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACOMBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest area and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization.<br>• Activate your Handshake account and build out your profile. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 207: Introduction to Communication Inquiry | 3 | C | • Develop your skills.<br>• Create a first draft resume. |
| COM 225: Public Speaking (L) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete First-Year Composition requirement. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 308: Advanced Research Methods in Communication (L) | 3 | C | • All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found here. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.<br>• Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.<br>• Explore an internship. |
| Science and Society Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>COM 110: Elements of Interpersonal Communication (SB) or COM 310: Relational Communication (SB) OR COM 241: Introduction to Oral Interpretation (L or HU) OR COM 250: Communication and the Workplace (SB) OR COM 263: Elements of Intercultural Communication (SB & C & G) OR COM 321: Rhetorical Theory and Research ((L or HU) & H) | 6 | C | • All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found here. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.<br>• Students will select two Areas of Emphasis from five available options shown below and complete both required courses in each of the two chosen areas. The first course from each selected area should be completed in term 5 and the second course from each selected area should be completed in term 6.<br>• Develop your professional online presence. |
| Upper Division Science and Society Elective | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Elective OR COM 484: Internship | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 408: Quantitative Research Methods in Communication | 3 | C | • Students will select two Areas of Emphasis from five available options shown below and complete both required courses in each of the two chosen areas. The first course from each selected area should be completed in term 5 and the second course from each selected area should be completed in term 6. The elective courses in each Area of Emphasis are suggested for students who |
| *Complete 2 courses:*<br>COM 410: Interpersonal Communication Theory and Research (SB) OR COM 421: Rhetoric of Social Issues (HU) OR COM 442: Identity, Performance, and Human Communication OR COM 450: Organizational Communication (SB) OR COM 463: Intercultural Communication in a Global Context (SB & G) | 6 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | | | |
|---|---|---|---|
| Minimum 2.00 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 15 | |

wish to direct their elective choices in any particular area. However, any COM course may be taken to satisfy COM electives.
- Use Handshake to research employment opportunities.

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Upper Division Elective | 3 | C | • Select COM electives in conjunction with academic advisor.<br>• It is recommended that upper-division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.<br>• Apply for full-time career opportunities. |
| ★ COM Elective | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* COM Upper Division Elective | 6 | C | • It is recommended that upper-division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Students will select two out of five Areas of Emphasis and complete both required courses in each of the two chosen areas. Emphasis areas include Communication and Healthy Relating; Workplace, Organizational, and Leadership Communication; Civility, Advocacy, and Engaging Publics; Communication, Creativity, and Performance; and Communication Across Cultures. The required course sequence for each area is listed at the top of each track list below. The elective courses in each Area of Emphasis are suggested for students who wish to direct their elective choices in any particular area. However, any COM course may be taken to satisfy COM electives.
- In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper-division elective if not used toward the required courses in the area, but it cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

| Communication and Healthy Relating | Communication, Creativity and Performance | Workplace, Organizational and Leadership Communication |
|---|---|---|
| COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) | COM 241: Introduction to Oral Interpretation (L or HU) AND COM 442: Identity, Performance, and Human Communication | COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB) |
| Electives: | Electives: | Electives: |
| | COM 194: Communication and Creativity | COM 230: Small Group Communication (SB) |
| | COM 281: Communication Activities | |

| | | |
|---|---|---|
| COM 230: Small Group Communication (SB) | COM 341: Social Contexts for Performance | COM 259: Communication in Business and the Professions |
| COM 263: Elements of Intercultural Communication (SB & C & G) | COM 441: Performance Studies (HU) | COM 312: Communication, Conflict, and Negotiation |
| COM 310: Relational Communication (SB) | COM 445: Narrative Performance (HU) | COM 319: Persuasion and Social Influence (SB) |
| COM 312: Communication, Conflict, and Negotiation | COM 446: Performance of Literature Written by Women ((L or HU) & C) | COM 377: Communication, Terrorism, and National Security |
| COM 316: Gender and Communication (SB & C) | | COM 394: Communication, Culture, and New Media Technologies |
| COM 317: Nonverbal Communication (SB) | | COM 400: Intercultural Business Communication |
| COM 327: Civil Communication | | COM 414: Crisis Communication |
| COM 411: Communication in the Family (SB) | | COM 430: Leadership in Group Communication |
| COM 452: Communication and the Art of Happiness | | COM 452: Communication and the Art of Happiness |
| | | COM 453: Communication Training and Development |

| Communication Across Cultures | Civility, Advocacy and Engaging Publics |
|---|---|
| COM 263: Elements of Intercultural Communication (SB & C & G) AND COM 463: Intercultural Communication in a Global Context (SB & G) | COM 321: Rhetorical Theory and Research ((L or HU) & H) AND COM 421: Rhetoric of Social Issues (HU) |
| Electives: | Electives: |
| COM 317: Nonverbal Communication (SB) | COM 222: Argumentation (L) |
| COM 327: Civil Communication | COM 316: Gender and Communication (SB & C) |
| COM 394: Communication, Culture, and New Media Technologies | COM 320: Communication and Consumerism (SB) |
| COM 442: Identity, Performance, and Human Communication | COM 323: Communication Approaches to Popular Culture (C) |
| COM 465: Intercultural Communication Workshop | COM 325: Advanced Public Speaking and Presentations (L) |
| COM 494: Communication in Multi-National Organizations | COM 326: Court Room Oratory |
| COM 494: Conflict and Intercultural Dialogue | COM 327: Civil Communication |
| | COM 426: Political Communication (SB) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Communication, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LACOMBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• Select your career interest area and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| ASU 101-LA: The ASU Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Activate your Handshake account and build out your profile. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Elective | 6 | | • Create a first draft resume. |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| COM 207: Introduction to Communication Inquiry | 3 | C | • Develop your skills. |
| COM 225: Public Speaking (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 31 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Cultural Diversity in the U.S. (C) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 308: Advanced Research Methods in Communication (L) | 3 | C | • Contact Career and Professional Development Services and speak with a career advisor for assistance with career planning and networking. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | • Explore an internship. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 110: Elements of Interpersonal Communication (SB) OR COM 310: Relational Communication (SB) | 3 | C | • Students will complete both required courses in each of the two Areas of Emphasis provided below. The first course from each area should be completed in term 5 (either COM 110 or COM 310, and COM 250) and the second course from each area should be completed in term 6. The elective courses in each Area of Emphasis are suggested for students who wish to direct their elective choices in any particular area. However, any COM course may be taken to satisfy COM electives. |
| COM 250: Communication and the Workplace (SB) | 3 | C | • Develop your professional online presence. |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | • All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |

| | | |
|---|---|---|
| ★ Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 6 | |

complete two courses from the Science and Society list found here. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM 410: Interpersonal Communication Theory and Research (SB) | 3 | C | • Students will complete both required courses in each of the two Areas of Emphasis provided below. The first course from each area should be completed in term 5 and the second course from each area should be completed in term 6.<br>• Use Handshake to research employment opportunities. |
| ★ COM 450: Organizational Communication (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| ★ Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM 408: Quantitative Research Methods in Communication | 3 | C | • All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found here. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.<br>• Draft or update your resume. |
| Upper Division Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Elective | 3 | C | • Select COM electives in conjunction with academic advisor.<br>• It is recommended that COM electives are chosen from the two Areas of Emphasis Elective course lists provided below, however, any COM course may be taken. |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Upper Division Elective | 3 | C | • It is recommended that COM electives are chosen from the two Areas of Emphasis |
| Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

Elective course lists provided below, however, any COM course may be taken.
- Apply for full-time career opportunities.

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Upper Division Elective | 3 | C | • It is recommended that COM electives are chosen from the two Areas of Emphasis Elective course lists provided below, however, any COM course may be taken. |
| Upper Division Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ COM Upper Division Elective | 3 | C | • It is recommended that COM electives are chosen from the two Areas of Emphasis Elective course lists provided below, however, any COM course may be taken. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 3 | | |
| ★ Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 3 | | |

- 
  - All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
  - In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper-division elective if not used toward the required courses in the area, but cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)

| | |
|---|---|
| Communication and Healthy Relating | Workplace Organizational and Leadership Communication |

| | |
|---|---|
| COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) | COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB) |
| Electives: | Electives: |
| COM 230: Small Group Communication (SB) | COM 230: Small Group Communication (SB) |
| COM 263: Elements of Intercultural Communication (SB & C & G) | COM 259: Communication in Business and the Professions |
| COM 310: Relational Communication (SB) | COM 312: Communication, Conflict, and Negotiation |
| COM 312: Communication, Conflict, and Negotiation | COM 319: Persuasion and Social Influence (SB) |
| COM 316: Gender and Communication (SB & C) | COM 400: Intercultural Business Communication |
| COM 327: Civil Communication | COM 414: Crisis Communication |
| | COM 430: Leadership in Group Communication |
| | COM 453: Communication Training and Development |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Computational Mathematical Sciences, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACMSBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Select your career interest area and play me3@ASU. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Elective | 3 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.<br>• Join a student club or professional organization, like Math Club. |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | |
| Science Sequence Course AND Natural Science - Quantitative (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Literacy and Critical Inquiry (L) ( PHI 103 recommended) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Minimum 2.00 GPA in MAT and STP. | | | |
| Term hours subtotal: | 17 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 240: Introduction to Programming Languages | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation<br>• Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU) |
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | • Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking. |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Minimum 2.00 GPA in MAT and STP. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 300: Mathematical Structures (L) | 3 | C | • Minimum grade of C required in all MAT classes; grade of B or better strongly correlated with timely graduation<br>• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.<br>• Develop professional skills<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | |
| Science Sequence Course AND Natural Science - Quantitative (SQ) or Natural Science - General (SG) | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation<br>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.<br>• Develop your professional online presence.<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| MAT 420: Scientific Computing | 3 | C | |
| Science Sequence Course | 4 | C | |
| Elective | 4 | | |
| Minimum 2.00 GPA in MAT and STP. | | | |
| Term hours subtotal: | 14 | | |

| Term 6 77 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 421: Applied Computational Methods (CS) | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• Meet with a career counselor from ASU Career Services for a review of your resume and interviewing tips for success. |
| Science Sequence Course | 4 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.00 GPA in MAT and STP. | | | |
| Term hours subtotal: | 16 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Advanced Courses | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| Upper Division Internship/Research/Advanced Science Course | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Minimum 2.00 GPA in MAT and STP. | | | |

| | | | |
|---|---|---|---|
| | Term hours subtotal: | 15 | • Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.<br>• Gather professional references. |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:*<br>Upper Division Advanced Courses | 6 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• Meet with your academic advisor for final degree check and apply for graduation through your My ASU. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| ★ Minimum 2.00 GPA in MAT and STP. | | | |
| Term hours subtotal: | 12 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- The Computational Mathematical Sciences degree requires students to select and complete two 1-year lecture and lab combinations. Upon advisor approval, two advanced courses for which the first 1-year science and lab sequence is a prerequisite may be substituted for the second 1-year science and lab sequence.

Hide Course List(s)/Track Group(s)

| Science Sequence Courses | Internship, Research, or Advanced Science | Advanced Courses |
|---|---|---|
| AST 111: Introduction to Solar Systems Astronomy (SQ) AND AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) or AST 321: Introduction to Planetary and Stellar Astrophysics AND AST 322: Introduction to Galactic and Extragalactic Astrophysics AND BIO 182: General Biology II (SG) | AST Upper Division Elective | DAT 401: Statistical Modeling and Inference for Data Science |
| CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ) | BIO 320: Fundamentals of Ecology | DAT 402: Machine Learning for Data Science |
| CHM 114: General Chemistry for Engineers (SQ) AND CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) | BME Upper Division Elective | MAT 415: Introduction to Combinatorics |
| GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I: Laboratory (SQ) AND GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG) | CEE Upper Division Elective | MAT 416: Graph Theory |
| | CHE Upper Division Elective | MAT 419: Introduction to Linear Optimization (CS) |
| | CHM Upper Division Elective | MAT 423: Numerical Analysis I (CS) |
| | CIS Upper Division Elective | MAT 425: Numerical Analysis II (CS) |
| | CSE Upper Division Elective | MAT 447: Cryptography I |
| | EEE Upper Division Elective | MAT 448: Cryptography II |
| | GLG 305: Dynamic Earth | MAT 451: Mathematical Modeling (CS) |
| | GLG 321: Mineralogy | MAT 452: Introduction to Chaos and Nonlinear Dynamics |
| | GLG 362: Geomorphology | MAT 461: Applied Complex Analysis |
| | GLG 4** Elective | |
| | IEE Upper Division Elective | |

| | | |
|---|---|---|
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) AND PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | MAE Upper Division Elective | MAT 462: Applied Partial Differential Equations |
| PHY 150: Physics I (SQ) AND PHY 151: Physics II (SQ) | MAT 484: Internship | MAT 475: Differential Equations |
| | MAT 493: Honors Thesis (L) | MAT 476: Partial Differential Equations |
| | MAT 495: Undergraduate Research | STP 420: Introductory Applied Statistics (CS) |
| | MIC Upper Division Elective | STP 421: Probability |
| | MSE Upper Division Elective | STP 425: Stochastic Processes |
| | PHI 413: Advanced Symbolic Logic | STP 427: Mathematical Statistics |
| | PHY Upper Division Elective | STP 429: Applied Regression (CS) |
| | PLB Upper Division Elective | |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Culture, Technology and Environment, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LACTEBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CTE 110: Introduction to Culture, Technology and Environment | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Directed Elective | 3 | C | • For the Directed Elective requirement, choose a course from any of the lists below. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.00 GPA in Major Courses. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Directed Elective | 3 | C | • Explore an internship.<br>• Choose a course from any of the Directed Elective lists below. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 59 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CTE 310: Elements of Culture, Technology and Environment | 3 | C | • At least 12 of the upper-division hours required in the major must be taken in courses offered by The College of Liberal Arts and Sciences. |
| Upper Division Directed Elective - Language and Culture | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 74 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Directed Elective - English and Film | 3 | C | • Complete one upper-division course from the Directed Elective - English and Film course list, and one upper-division course from any of the Directed Elective lists below.<br>• At least 12 of the upper-division hours required in the major must be taken in courses offered by The College of Liberal Arts and Sciences.<br>• Research employment opportunities. |
| Upper Division Directed Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 89 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HUL 400: Humanities Lab: Immersive | 3 | C | • At least 12 of the upper-division hours required in the major must be taken in courses offered by The College of Liberal Arts and Sciences.<br>• Apply for full-time career opportunities. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 3 | | |
| Maintain 2.00 GPA in Major Courses. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CTE 484: Internship OR CTE 498: Pro-Seminar | 3 | C | • At least 12 of the upper-division hours required in the major must be taken in courses offered by The College of Liberal Arts and Sciences. |
| ★ Upper Division Directed Elective - History, Philosophy and Religion | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Directed Electives - Language and Culture | Directed Electives - English and Film | Directed Electives - History, Philosophy and Religion |
|---|---|---|
| ASL 410: Deaf Culture (C) | ENG 312: English in its Social Setting (L or HU or SB) | HST 308: History and Philosophy of Sustainability |
| SLC 194: Food, Culture, and Society in Latin America | ENG 319: Future of English (G) | HST 318: History of Engineering ((L or SB) & G) |
| SLC 304: Digital Humanities for Language Majors (CS) | ENG 332: Studies in Race and Ethnicity in Literature and Culture | HST 345: Environmental History (L) |
| SLC 350: Food and Culture: The Mediterranean Lifestyle in Italy | ENG 350: Studies in Literary Histories and Traditions | HST 382: Studies in the History of Innovation and Technology |
| SLC 380: Natural Disasters: Environmental and Cultural Resilience in Italy | ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) | HST 482: Writing and the History of Science, Ideas and Technology (L) |
| SLC 421: Spaces of Disaster and Precarity | ENG 367: Environmental Issues in Literature and Film (L or HU) | PHI 310: Environmental Ethics (HU) |
| SLC 450: Experimental Narrative (HU) | ENG 370: Science, Values, and the Public | PHI 320: Bioethics (HU) |
| SLC 494: Animals in the Anthropocene | ENG 371: Rhetoric of the Environmental Movement | PHI 322: History and Philosophy of Sustainability |
| SLC 494: Ecocritical Approaches Latin Am Cultural Productn | ENG 378: Environmental Creative Nonfiction (L or HU) | REL 101: Religion, Culture and Public Life (HU & G) |
| SLC 494: Sustainable Fashion | ENG 440: Studies in American Literature and Culture | REL 107: Religion and Globalization (HU & G) |
| | ENG 444: Topics for Interdisciplinary Study of Literature and Culture | REL 201: Religion and the Modern World (L or HU) |
| | FMS 110: Introduction to New Media (HU) | REL 321: Religion in America ((L or HU) & C & H) |
| | FMS 351: Emerging Digital Media | REL 330: Native American Worldviews (HU & C) |
| | FMS 360: Media Genres | REL 331: Indigenous American Religious History ((L or HU) & C & H) |
| | FMS 385: Ecomedia | REL 349: Nature, Sustainability and Religion |
| | FMS 442: Experimental Narrative (HU) | REL 363: Islam and World Affairs (G) |

REL 366: Islam in the Modern World (HU & G)

REL 381: Religion and Moral Issues (L or HU)

REL 388: Religion, Ethics, and International Politics

REL 480: Religion and Global Politics (L & G)

REL 483: Religion and Science

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Data Science, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LADATSCIBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• Students who complete MAT 270 must also complete MAT 271 in Term 2. Students who complete MAT 265 must also complete MAT 266 in Term 2.<br>• It is highly recommended that students work with both an academic advisor from the School of Mathematical and Statistical Sciences and an assigned advisor affiliated with their chosen track.<br>• Select your career interest area and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) | 4-3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 15-14 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Students who complete MAT 270 must also complete MAT 271. Students who complete MAT 265 must also complete MAT 266.<br>• Some upper-division track courses require prerequisites. It is recommended that students consult with their advisors and use electives to complete appropriate course prerequisites.<br>• Create a first draft resume. |
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) | 4-3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3-4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 250: Data Science and Society | 3 | C | • Students must choose and complete a minimum of 21 credit hours in their selected track. Track options are Behavioral Sciences, Biosciences, |
| MAT 343: Applied Linear Algebra | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:* | | | |

| | | |
|---|---|---|
| Elective | 5 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

Business Analytics, Computer Science, Mathematics, Social Sciences, or Spatial Sciences.

- Some track courses may require additional prerequisites, so students will work with an assigned academic advisor in their track as well as the School of Mathematical and Statistical Sciences to select electives to satisfy necessary prerequisites.

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 300: Mathematical Tools for Data Science | 3 | C | • Students pursuing the Computer Science track are advised to take CSE 220 this term due to prerequisite requirements in future terms.<br>• Explore an internship. |
| Required Track Courses | 3-4 | C | |
| *Complete 3 courses:*<br>Elective | 9 | | |
| Term hours subtotal: | 15-16 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 301: Exploring Data in R and Python | 4 | C | • Students pursuing the Computer Science track are advised to take CSE 310 in this term due to prerequisite requirements in future terms.<br>• Develop your professional online presence. |
| Upper Division Required Track Courses | 3-4 | C | |
| Required Track Courses | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 2-3 | | |
| Term hours subtotal: | 15-17 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 401: Statistical Modeling and Inference for Data Science | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Required Track Courses | 6 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Upper Division Elective OR DAT 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 402: Machine Learning for Data Science OR CSE 475: Foundations of Machine Learning | 3 | C | • Students pursuing the Computer Science track are advised to enroll in CSE 475 rather than DAT 402. Students pursuing all other tracks are advised to enroll in DAT 402 in this term.<br>• Gather professional references. |
| Upper Division Required Track Courses | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 490: Data Science Capstone (L) OR Disciplinary Capstone from selected track | 3-2 | C | |

| | |
|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 |
| Social-Behavioral Sciences (SB) | 3 |
| *Complete 2 courses:*<br>Upper Division Elective | 5 |
| Term hours subtotal: | 14-13 |

- Students pursuing the Spatial Sciences track will complete a two credit hour capstone course; all other tracks require three credits of capstone coursework.
- Meet with your academic advisor for final degree check and apply for graduation through your My ASU.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Behavioral Sciences Track: In cooperation with an assigned academic advisor, students must complete five required courses from the initial group of courses displayed in the track and one additional required course from the remaining list. Students must also complete three credit hours in DAT 490 or a 400-level disciplinary capstone course drawn from the CDE, FAS, or PSY subject areas.
- Biosciences Track: Students are required to complete BIO 439, BIO 440, a Bioethics related course from the provided list and three credit hours of DAT 490 Data Science Capstone. An additional three courses (minimum of nine credit hours) are chosen from the remaining track electives.
- Business Analytics Track: Students are to complete all courses in the track plus three credit hours of DAT 490 Data Science Capstone.
- Computer Science Track: In consultation with advisor, students must complete four required courses (12 credit hours) and pick two related courses (six credit hours). In addition, they must complete three credit hours of DAT 490 Data Science Capstone.
- Mathematics Track: Students are to complete MAT 267 and MAT 275. In cooperation with an academic advisor, students must also select four courses from the remaining courses in the track list below. In addition, students need to complete three credit hours in DAT 490 Data Science Capstone.
- Social Sciences Track: In consultation with an assigned academic advisor, students will select six courses for a minimum of 18 credit hours from the track list below, at least 12 credit hours of which must be upper division. In addition, students must complete three credit hours in DAT 490 Data Science Capstone or a disciplinary-specific capstone course.
- Spatial Sciences Track: Students must complete six courses listed in the track. In addition, they will complete two credit hours of DAT 490 Data Science Capstone or a 400-level GIS capstone course chosen in consultation with an assigned academic advisor.

Hide Course List(s)/Track Group(s)

| Behavioral Sciences Track | Biosciences Track | Business Analytics Track |
|---|---|---|
| **Complete five courses from list below:** | **Complete three courses from list below:** | **Complete all courses below:** |
| CDE 232: Human Development (SB) or FAS 101: Personal Growth and Relationships (SB) or PSY 101: Introduction to Psychology (SB) | BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) or BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H) or BIO 317: History of Science II (HU & H) or HPS 323: History of Science II (HU & H) or BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H) or BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L) | CIS 235: Introduction to Information Systems |
| FAS 498: Advanced Statistics for Social Sciences or SOC 469: Multivariate Statistics for Social Sciences or PSY 330: Statistical Methods (CS) | | CIS 407: Business Database Systems Development |
| PSY 290: Research Methods (L or SG) or FAS 361: Applied Research Methods (L or SB) | | CIS 409: Business Data Warehouses and Dimensional Modeling |
| | | CIS 412: Business Data Mining |
| | | CIS 415: Big Data Analytics in Business |

PSY 498: Data Mining in the Behavioral Sciences or STP 450: Nonparametric Statistics or STP 452: Multivariate Statistics

SOC 390: Social Statistics I (CS)

**Choose one elective course from list below:**

CDE 312: Adolescence (SB)

CDE 337: Early Childhood Intervention

CDE 418: Aging and the Life Course (SB & H)

CDE 430: Infant and Toddler Development in the Family (SB)

CDE 450: Childhood Disorders and Family Functioning (L)

FAS 301: Introduction to Parenting

FAS 331: Modern Family Relationships (SB)

FAS 332: Human Sexuality (SB)

FAS 440: Fundamentals of Marriage and Family Therapy

LSC 325: Physiological Psychology or PSY 325: Physiological Psychology or PTX 325: Physiological Psychology

PSY 315: Personality Theory and Research (SB)

PSY 320: Learning and Motivation

PSY 324: Memory and Cognition

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

BIO 439: Computing for Research

BIO 440: Functional Genomics or MBB 440: Functional Genomics

**Choose three elective courses from list below:**

BIO 355: Introduction to Computational Molecular Biology (CS)

BIO 411: Quantitative Methods in Conservation and Ecology

BIO 415: Statistical Models for Biology (CS)

BIO 494: Data Analysis in Neuroscience

BIO 494: Microbiome Data Science

BIO 498: Genomics Research Experience

BIO 498: Programming for biologists

WPC 300: Problem Solving and Actionable Analytics

Computer Science Track

**Complete four courses from list below:**

CSE 220: Programming for Computer Engineering or CSE 240: Introduction to Programming Languages

CSE 310: Data Structures and Algorithms

CSE 365: Information Assurance

MAT 243: Discrete Mathematical Structures

**Choose two elective courses from list below:**

CSE 450: Design and Analysis of Algorithms

CSE 467: Data and Information Security

CSE 471: Introduction to Artificial Intelligence

Mathematics Track

**Complete both courses below:**

MAT 267: Calculus for Engineers III (MA)

MAT 275: Modern Differential Equations (MA)

**Choose four elective courses from list below:**

ACT 370: Software Tools for Business Analytics

ACT 435: Statistics for Risk Modeling

DAT 494: Bayesian Statistics

DAT 494: Exploration and Analysis of Environmental Data

DAT 494: Industry Tools for Data Science

Social Sciences Track

**Complete one course from list below:**

ECN 425: Introduction to Econometrics

POS 401: Political Statistics (CS) or SGS 401: Political Statistics (CS)

**Choose five elective courses from list below:**

ACO 100: All About Data: Design, Query, and Visualization (CS)

ALA 235: Introduction to Computer Modeling (CS)

AML 253: Introduction to Mathematical Tools and Modeling for the Life and Social Sciences

AML 441: Mathematical Concepts and Tools in Sustainability

CSE 476: Introduction to Natural Language Processing

MAT 300: Mathematical Structures (L)

MAT 353: Mathematics and Cancer

MAT 419: Introduction to Linear Optimization (CS)

MAT 420: Scientific Computing

MAT 421: Applied Computational Methods (CS)

MAT 423: Numerical Analysis I (CS)

MAT 425: Numerical Analysis II (CS)

MAT 429: Optimization

MAT 451: Mathematical Modeling (CS)

MAT 452: Introduction to Chaos and Nonlinear Dynamics

STP 310: Design and Analysis of Experiments

STP 311: Regression and Time Series Analyses

STP 420: Introductory Applied Statistics (CS) or STP 427: Mathematical Statistics

STP 421: Probability

STP 429: Applied Regression (CS)

ASB 230: Beginning Social Research (SB)

ASB 363: From Cells to Society: Understanding Complexity or BIO 363: From Cells to Society: Understanding Complexity

ASM 201: Epidemics and Outbreaks

ASM 494: Models in Social Evolution

BME 301: Numerical Methods in Biomedical Engineering

BMI 211: Modeling Biomedical Decisions

BMI 461: Advanced Topics in Biomedical Informatics I

BMI 462: Advanced Topics In Biomedical Informatics II

COM 308: Advanced Research Methods in Communication (L)

COM 407: Advanced Critical Methods in Communication

CRJ 303: Statistical Analysis (CS)

ECN 410: Applied Regression Analysis and Forecasting

ECN 416: Game Theory and Economic Behavior

ECN 441: Public Economics (SB)

ECN 445: Environmental Economics

ECN 470: Mathematical Economics

FAS 361: Applied Research Methods (L or SB)

FAS 498: Advanced Statistics for Social Sciences

FIS 335: Designing Knowledge (SB)

FIS 403: Governing Emerging Technologies (SB)

GCU 325: Geography of Europe (SB & G)

GCU 351: Population Geography (SB & G)

GCU 357: Social Geography (SB)

GCU 361: Urban Geography (SB)

GCU 364: Energy in the Global Arena (SB & G)

GCU 426: Geography of Russia and Surroundings (SB & G)

ISS 415: Knowledge Management (SB)

MKT 352: Marketing Research (L)

PAF 471: Public Policy Analysis

POS 331: Public Opinion (SB)

POS 434: Media and Politics (SB)

PUP 424: Planning Methods

PUP 481: Fundamentals of Spatial Optimization

SBS 302: Qualitative Methods

SBS 304: Social Statistics I (CS)

SBS 389: Ethnographic Field Lab

SBS 404: Social Statistics II: Multivariate Analysis (CS)

SGS 305: Empirical Political Inquiry (SB) or POS 301: Empirical Political Inquiry (SB)

SOS 212: Systems, Dynamics and Sustainability

SOS 424: Dynamic Modeling in Social and Ecological Systems

SOS 441: Mathematical Concepts and Tools in Sustainability or AML 441: Mathematical Concepts and Tools in Sustainability

STP 310: Design and Analysis of Experiments

STP 311: Regression and Time Series Analyses

STP 452: Multivariate Statistics

TWC 411: Principles of Visual Communication (L)

Spatial Sciences Track

**Complete all four courses below:**

GIS 205: Geographic Information Science I (CS)

GIS 211: Geographic Information Science II (CS)

GIS 311: Geographic Information Science III (CS)

GIS 322: Programming Principles in GIS II

**Complete one course below:**

GIS 469: Multivariate Statistics for Social Sciences

GIS 470: Advanced Statistics for Geography and Planning (CS)

GIS 471: Spatial Statistics for Geography and Planning

**Complete one course below:**

GIS 202: Drones to Satellites: Observing Earth from Above (CS)

GIS 451: Geodesign and Urban Planning

GIS 494: GIS and Public Health

GIS 494: GIS for Climate Change Science

GIS 494: Landscape Analysis Using GIS

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Data Science, BS

School/College: The College of Liberal Arts and Sciences
Location: Online ASU Local
LADATSCIBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • View ASU Online first-year student registration information here. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 20 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | • Some upper-division track courses require prerequisites. It is recommended that students consult with their advisors and use electives to complete appropriate course prerequisites. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 29 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 250: Data Science and Society | 3 | C | • Minimum grade of C required in all required classes in the major; grade of B or better strongly correlated with timely graduation. |
| MAT 343: Applied Linear Algebra | 3 | C | |

| | | |
|---|---|---|
| Elective | 3 | |
| Term hours subtotal: | 9 | |

- Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU).

| Term 3 - B 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 300: Mathematical Tools for Data Science | 3 | C | |
| Required Track Courses | 3 | C | |
| Term hours subtotal: | 6 | | |

- Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.
- Students must choose and complete a minimum of 21 credit hours in their selected track. Track options are Behavioral Sciences, Biosciences, Business Analytics, Social Sciences, or Spatial Sciences.
- Some track courses may require additional prerequisites, so students will work with an assigned academic advisor in their track as well as the School of Mathematical and Statistical Sciences to select electives to satisfy necessary prerequisites.

| Term 4 - B 51 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 57 - 64 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 301: Exploring Data in R and Python | 4 | C | |
| Upper Division Required Track Courses | 3 | C | |
| Term hours subtotal: | 7 | | |

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.

| Term 5 - B 64 - 73 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Required Track Courses | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 73 - 82 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| DAT 401: Statistical Modeling and Inference for Data Science | 3 | C | |
| Upper Division Required Track Courses | 3 | C | |

| | | |
|---|---|---|
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Term hours subtotal: | 9 | |

- Minimum grade of C required in all required classes in the major; grade of B or better strongly correlated with timely graduation.
- Develop your professional online presence.

| Term 6 - B 82 - 91 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Required Track Courses | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 91 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ DAT 402: Machine Learning for Data Science | 3 | C | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 5 | | |

- Minimum grade of C required in all required courses; grade of B or better strongly correlated with timely graduation.
- Complete an in person or virtual practice interview.

| Term 7 - B 96 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Required Track Courses | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective OR DAT 484: Internship | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

- Students pursuing the Spatial Sciences track will complete a two credit hour capstone course; all other tracks require three credits of capstone coursework.

| Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ DAT 490: Data Science Capstone (L) OR Disciplinary Capstone from selected track | 3-2 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9-8 | | |

- 
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be

upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

- Behavioral Sciences Track: In cooperation with an assigned academic advisor, students must complete five required courses from the initial group of courses displayed in the track and one additional required course from the remaining list. Students must also complete three credit hours of DAT 490 or a 400-level disciplinary capstone course drawn from the CDE, FAS, or PSY subject areas.
- Biosciences Track: Students are required to complete BIO 439, BIO 440, a Bioethics related course from the provided list and three credit hours of DAT 490 Data Science Capstone. An additional three courses (minimum of 9 credit hours) are chosen from the remaining track electives.
- Business Analytics Track: Students are to complete all courses in the track plus three credit hours of DAT 490 Data Science Capstone.
- Social Sciences Track: In consultation with an assigned academic advisor, students will select six courses for a minimum of 18 credit hours from the track list below, at least 12 credit hours of which must be upper division. In addition, students must complete three credit hours of DAT 490 Data Science Capstone or a disciplinary-specific capstone course.
- Spatial Sciences Track: Students must complete six courses listed in the track. In addition, they will complete two credit hours of DAT 490 Data Science Capstone or a 400-level GIS capstone course chosen in consultation with an assigned academic advisor.

Hide Course List(s)/Track Group(s)

| Behavioral Sciences Track |
|---|
| **Complete five courses from list below:** |
| CDE 232: Human Development (SB) or FAS 101: Personal Growth and Relationships (SB) or PSY 101: Introduction to Psychology (SB) |
| PSY 290: Research Methods (L or SG) or FAS 361: Applied Research Methods (L or SB) |
| PSY 330: Statistical Methods (CS) |
| PSY 498: Data Mining in the Behavioral Sciences |
| SOC 390: Social Statistics I (CS) |
| **Choose one elective course from list below:** |
| CDE 312: Adolescence (SB) |
| CDE 418: Aging and the Life Course (SB & H) |
| CDE 430: Infant and Toddler Development in the Family (SB) |
| CDE 450: Childhood Disorders and Family Functioning (L) |
| FAS 301: Introduction to Parenting |
| FAS 331: Modern Family Relationships (SB) |
| FAS 332: Human Sexuality (SB) |
| PSY 315: Personality Theory and Research (SB) |
| PSY 320: Learning and Motivation |

| Biosciences Track |
|---|
| **Complete three courses from list below:** |
| BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) or BIO 316: History of Biology: Conflicts and Controversies (H) or HPS 330: History of Biology: Conflicts and Controversies (H) or BIO 317: History of Science II (HU & H) or HPS 323: History of Science II (HU & H) or BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H) or BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L) |
| BIO 439: Computing for Research |
| BIO 440: Functional Genomics or MBB 440: Functional Genomics |
| **Choose three elective courses from list below:** |
| BIO 355: Introduction to Computational Molecular Biology (CS) |
| BIO 411: Quantitative Methods in Conservation and Ecology |
| BIO 415: Statistical Models for Biology (CS) |
| BIO 494: Data Analysis in Neuroscience |
| BIO 498: Genomics Research Experience |

| Business Analytics Track |
|---|
| **Complete all courses below:** |
| CIS 235: Introduction to Information Systems |
| CIS 407: Business Database Systems Development |
| CIS 409: Business Data Warehouses and Dimensional Modeling |
| CIS 412: Business Data Mining |
| CIS 415: Big Data Analytics in Business |
| WPC 300: Problem Solving and Actionable Analytics |

PSY 324: Memory and Cognition

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

| Social Sciences Track | Spatial Sciences Track |
| --- | --- |
| **Complete one course from list below:** | **Complete all four courses below:** |
| POS 401: Political Statistics (CS) or SGS 401: Political Statistics (CS) | GIS 205: Geographic Information Science I (CS) |
| **Choose five elective courses from list below:** | GIS 211: Geographic Information Science II (CS) |
| ACO 100: All About Data: Design, Query, and Visualization (CS) | GIS 311: Geographic Information Science III (CS) |
| ASM 201: Epidemics and Outbreaks | GIS 322: Programming Principles in GIS II |
| COM 308: Advanced Research Methods in Communication (L) | **Complete one course below:** |
| COM 407: Advanced Critical Methods in Communication | GIS 469: Multivariate Statistics for Social Sciences |
| CRJ 303: Statistical Analysis (CS) | GIS 470: Advanced Statistics for Geography and Planning (CS) |
| ECN 410: Applied Regression Analysis and Forecasting | GIS 471: Spatial Statistics for Geography and Planning |
| ECN 441: Public Economics (SB) | **Complete one course below:** |
| FAS 361: Applied Research Methods (L or SB) | GIS 202: Drones to Satellites: Observing Earth from Above (CS) |
| GCU 325: Geography of Europe (SB & G) | GIS 451: Geodesign and Urban Planning |
| GCU 426: Geography of Russia and Surroundings (SB & G) | GIS 494: GIS and Public Health |
| MKT 352: Marketing Research (L) | GIS 494: GIS for Climate Change Science |
| PUP 424: Planning Methods | GIS 494: Landscape Analysis Using GIS |
| SGS 305: Empirical Political Inquiry (SB) or POS 301: Empirical Political Inquiry (SB) | |
| SOS 212: Systems, Dynamics and Sustainability | |
| TWC 411: Principles of Visual Communication (L) | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Earth and Environmental Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAEESBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) | 3 | C | • Students who place into MAT 170 should take the course in term 1 to complete the MA requirement.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• SESE majors are strongly encouraged to seek faculty mentoring at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Select your career interest area and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GLG 110: Dangerous World (SQ & G) AND GLG 111: Dangerous World Laboratory (SQ) | 4 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 170: Precalculus (MA) OR MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• SESE majors are strongly encouraged to seek faculty mentoring at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Join a student club or professional organization.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GLG 108: Water Planet (SQ) | 4 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 14-15 | | |

| Term 3 28 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | | | • SESE majors are strongly encouraged to seek faculty mentoring at least once during their first and second year. |

| | | | |
|---|---|---|---|
| CHM 107: Chemistry and Society (SQ) AND CHM 108: Chemistry and Society Laboratory (SQ) OR CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ) | 4 | C | Students can find their faculty mentor on the SESE advising website.<br>• Develop your skills. |
| GIS 205: Geographic Information Science I (CS) | 3 | C | |
| SES 220: Biology of a Changing Earth | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 42 - 58 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STP 231: Statistics for Life Science (CS) OR GIS 270: Statistics for Geography and Planning OR STP 226: Elements of Statistics (CS) | 3 | C | • SESE majors are strongly encouraged to seek faculty mentoring at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Explore an internship. |
| SES 225: Global Biogeochemical Cycles | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 58 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GLG 325: Oceanography | 3 | C | • Students are strongly encouraged to meet with SESE faculty advisors to discuss career options. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 74 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GLG 305: Dynamic Earth | 3 | C | • Research career opportunities.<br>• The list of approved major track electives along with their prerequisites may be viewed on the SESE website. At least two of the major track electives must be 400-level.<br>• Students should meet with an advisor to do a graduation check. |
| *Complete 2 courses:*<br>Upper Division Earth and Environmental Studies (EES) Major Track Electives | 6 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 89 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ★ GLG 327: Earth's Critical Zone | 3 | C |
| *Complete 2 courses:*<br>Upper Division Earth and Environmental Studies (EES) Major Track Electives | 6 | C |
| Upper Division Literacy and Critical Inquiry (L) | 3 | |
| Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction | 3 | |
| Term hours subtotal: | 15 | |

- If not already completed, students should meet with an advisor to do a graduation check.
- Explore a research or internship opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval.
- Use Handshake to research employment opportunities.
- The list of approved major track electives along with their prerequisites may be viewed on the SESE website. At least two of the major track electives must be 400-level.

| **Term 8 104 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GLG 464: Solving Environmental Problems | 3 | C | • The list of approved major track electives along with their prerequisites may be viewed on the SESE website. At least two of the major track electives must be 400-level. |
| Upper Division Earth and Environmental Studies (EES) Major Track Electives | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 4 | | |
| Term hours subtotal: | 16 | | |

- For the Earth and Environmental Studies Track Electives, students are encouraged to choose a track but they also have the option to choose any combination of courses across multiple tracks. Regardless of the chosen track, at least two of the Earth and Environmental Studies Track Electives must be 400-level.
- Each of the focused tracks has overlap with a related certificate program that students can choose to pursue along with the chosen track. Students should discuss this option and how to add a certificate with their academic advisor.

Hide Course List(s)/Track Group(s)

| Earth and Environmental Studies General Elective Track | Climate/Environmental Change Track | Earth Resources Track |
|---|---|---|
| This track includes all of the courses in the following tracks: 1) Climate/Environmental Change, 2) Earth Resources, 3) Environmental Education, 4) Environmental Management, 5) Environmental Policy and 6) Sustainability. While students are encouraged to pick a focused track, students may choose not to focus on one of the above tracks and may select courses across multiple tracks. Of the five major elective courses required, at least two of the courses must be 400-level. | ABS 350: Applied Statistics (CS) | ABS 350: Applied Statistics (CS) |
| | ASB 326: Human Impacts on Ancient Environments (SB & H) | ERM 428: International Environmental Management (G) |
| | ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G) | GCU 364: Energy in the Global Arena (SB & G) |
| | ERM 426: Environmental Issues | GIS 311: Geographic Information Science III (CS) |
| | ERM 428: International Environmental Management (G) | GIS 322: Programming Principles in GIS II |
| | FIS 444: Environment and Justice (L & C) | GIS 341: Cartography and Georepresentation (CS) |
| | GLG 362: Geomorphology | GIS 470: Advanced Statistics for Geography and Planning (CS) |
| | GLG 435: Sedimentology and Stratigraphy | |
| | GLG 470: Hydrogeology | |

| | | |
|---|---|---|
| | GPH 314: Global Change (HU & G) | GLG 301: Earth Science in Arizona and the Southwest |
| | GPH 414: Climate Change (G) | GLG 304: Minerals, Energy, and Society |
| | JUS 332: Politics of Energy Policy and Justice | GLG 310: Structural Geology |
| | JUS 444: Environment and Justice (L & C) | GLG 321: Mineralogy |
| | PUP 442: Environmental Planning | GLG 424: Petrology |
| | SOS 314: Basic Energy Science | GLG 435: Sedimentology and Stratigraphy |
| | SOS 320: Society and Sustainability (L or SB) | GLG 441: Ore Deposits |
| | SOS 324: Sustainable Energy Technology and Systems | GLG 470: Hydrogeology |
| | SOS 326: Sustainable Ecosystems | GPH 381: Geography of Natural Resources (G) |
| | SOS 375: Humans and the Environment: What's the Connection? ((L or SB) & G) | SOS 320: Society and Sustainability (L or SB) |
| | SOS 444: Climate Change, Society and Sustainability | SOS 324: Sustainable Energy Technology and Systems |
| | STP 420: Introductory Applied Statistics (CS) | SOS 325: The Economics of Sustainability |
| | | SOS 372: Earth Science in Arizona and the Southwest |
| | | SOS 373: Minerals, Energy, and Society |
| | | STP 420: Introductory Applied Statistics (CS) |

| Environmental Education Track | Environmental Management Track | Environmental Policy Track |
|---|---|---|
| ABS 302: Ethical and Policy Issues in Biology | ABS 350: Applied Statistics (CS) | ABS 302: Ethical and Policy Issues in Biology |
| BIO 324: Environmental Ethics (HU) | BIO 324: Environmental Ethics (HU) | ABS 350: Applied Statistics (CS) |
| ENG 371: Rhetoric of the Environmental Movement | BIO 412: Conservation in Practice | BIO 324: Environmental Ethics (HU) |
| ERM 426: Environmental Issues | CEE 400: Earth Systems Engineering and Management ((L or HU) & H) | BIO 412: Conservation in Practice |
| FIS 444: Environment and Justice (L & C) | ERM 426: Environmental Issues | ENG 371: Rhetoric of the Environmental Movement |
| GPH 314: Global Change (HU & G) | ERM 428: International Environmental Management (G) | ERM 426: Environmental Issues |
| GPH 381: Geography of Natural Resources (G) | GIS 311: Geographic Information Science III (CS) | ERM 428: International Environmental Management (G) |
| GPH 414: Climate Change (G) | GIS 322: Programming Principles in GIS II | FIS 334: Science, Technology and Inequality (C) |
| JUS 332: Politics of Energy Policy and Justice | GIS 341: Cartography and Georepresentation (CS) | FIS 444: Environment and Justice (L & C) |
| JUS 444: Environment and Justice (L & C) | GIS 470: Advanced Statistics for Geography and Planning (CS) | HST 345: Environmental History (L) |
| JUS 456: Human Rights and Sustainability ((L or SB) & G) | GLG 304: Minerals, Energy, and Society | JUS 332: Politics of Energy Policy and Justice |
| PHI 310: Environmental Ethics (HU) | GLG 362: Geomorphology | JUS 334: Science, Technology and Inequality (C) |
| POS 300: Contemporary Global Controversies (SB & G) | GLG 470: Hydrogeology | JUS 444: Environment and Justice (L & C) |
| PUP 442: Environmental Planning | GPH 314: Global Change (HU & G) | PHI 310: Environmental Ethics (HU) |

- SCN 300: Foundations of Environmental Education
- SCN 302: Environmental Education: A Global Perspective (L & G)
- SCN 307: Biomimicry: Nature's Sustainable Solutions (G)
- SCN 308: Urban Environmental Education
- SCN 310: Biodiversity Conservation: An Educational Inquiry
- SCN 401: Sustainability Science, Technology, and Society
- SOS 444: Climate Change, Society and Sustainability
- SOS 456: Human Rights and Sustainability ((L or SB) & G)

Sustainability Track

- ABS 350: Applied Statistics (CS)
- ASB 326: Human Impacts on Ancient Environments (SB & H)
- FIS 444: Environment and Justice (L & C)
- GCU 364: Energy in the Global Arena (SB & G)
- GLG 304: Minerals, Energy, and Society
- HST 345: Environmental History (L)
- JUS 332: Politics of Energy Policy and Justice
- JUS 444: Environment and Justice (L & C)
- JUS 456: Human Rights and Sustainability ((L or SB) & G)
- SCN 401: Sustainability Science, Technology, and Society
- SOS 300: Advanced Concepts and Integrated Approaches in Sustainability
- SOS 310: Equity, Justice and Sustainability
- SOS 314: Basic Energy Science
- SOS 315: Energy Policy
- SOS 320: Society and Sustainability (L or SB)
- SOS 321: Policy and Governance in Sustainable Systems
- SOS 323: Sustainable Urban Dynamics
- SOS 324: Sustainable Energy Technology and Systems
- GPH 381: Geography of Natural Resources (G)
- GPH 414: Climate Change (G)
- HST 345: Environmental History (L)
- PHI 310: Environmental Ethics (HU)
- POS 300: Contemporary Global Controversies (SB & G)
- PUP 301: Introduction to Urban Planning (L)
- PUP 442: Environmental Planning
- SOS 373: Minerals, Energy, and Society
- STP 420: Introductory Applied Statistics (CS)
- POS 300: Contemporary Global Controversies (SB & G)
- PUP 442: Environmental Planning
- SOC 331: Environmental Sociology (SB & G)
- SOS 315: Energy Policy
- SOS 320: Society and Sustainability (L or SB)
- SOS 321: Policy and Governance in Sustainable Systems
- SOS 323: Sustainable Urban Dynamics
- SOS 324: Sustainable Energy Technology and Systems
- SOS 444: Climate Change, Society and Sustainability
- STP 420: Introductory Applied Statistics (CS)

SOS 325: The Economics of Sustainability

SOS 326: Sustainable Ecosystems

SOS 327: Sustainable Food & Farms

SOS 373: Minerals, Energy, and Society

SOS 444: Climate Change, Society and Sustainability

SOS 456: Human Rights and Sustainability ((L or SB) & G)

STP 420: Introductory Applied Statistics (CS)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Earth and Space Exploration, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASESBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) | 3 | C | • Students who place into MAT 265 should take the course in term 1 to complete the MA requirement.<br>• LIA 101 is mandatory for all incoming first-year students.<br>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Select your career interest area and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • Students in this major have a choice between taking SES 122/SES 124 or SES 126/SES 128. Students should take SES 122/SES 124 if they are interested in exploring the Earth and other objects in our solar system. Students should take SES 126/SES 128 if their interests are in exploration outside of the solar system.<br>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE will accept CHM 114 or both CHM 113 and CHM 116 to meet the chemistry requirement.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website. |
| CHM 114: General Chemistry for Engineers (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 14 | | |

- Join a student club or professional organization.
- Create a first draft resume.

| Term 3 28 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Develop your skills. |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| SES 230: Coding for Exploration (CS) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | • SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Explore an internship |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SES 350: Engineering Systems and Experimental Problem Solving | 3 | C | • Students need two upper-division electives for the major (six credits total). Electives may be chosen from the branch course list or students may take any other upper-division GLG or SES or AST courses offered by the School of Earth and Space Exploration, excluding GLG 300 or GLG 400/SES 401.<br>• Students should meet with faculty advisor to discuss research opportunities. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Upper Division SES Branch Course | 3 | C | |
| SES OR GLG OR AST Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division SES Branch Course | 3 | C | • Explore a research or internship opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students should talk to faculty mentors about how to find research opportunities.<br>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way. |
| SES OR GLG OR AST Upper Division Elective | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- Students should meet with an advisor to do a graduation check.
- Use Handshake to research employment opportunities.

| Term 7 90 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SES 410: Senior Exploration Project I | 3 | C | • Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.<br>• If not already completed, students should meet with an advisor to do a graduation check.<br>• Apply for full-time career opportunities. |
| SES 401: Earth and Space Exploration Colloquium | 1 | C | |
| Upper Division SES Branch Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SES 411: Senior Exploration Project II | 3 | C | |
| Upper Division SES Branch Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 2 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Upper Division SES Branch Courses |
|---|
| AST 321: Introduction to Planetary and Stellar Astrophysics |
| AST 322: Introduction to Galactic and Extragalactic Astrophysics |
| GLG 310: Structural Geology |
| GLG 321: Mineralogy |
| GLG 418: Geophysics |
| GLG 424: Petrology |
| GLG 471: Hydrology |
| GLG 481: Geochemistry |
| GLG 490: Remote Sensing |

SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

SES 330: Practical Electronics and Instrumentation

SES 405: Exploration Systems Engineering

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Earth and Space Exploration (Astrobiology and Biogeosciences), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASESABBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) | 3 | C | • Students who place into MAT 265 should take the course in term 1 to complete the MA requirement.<br>• LIA 101 is mandatory for all incoming first-year students.<br>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Select your career interest area and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Students in this major have a choice between taking SES 122/SES 124 or SES 126/SES 128 in their second semester. SES 122/124 has an earth-based focus and SES 126/128 has a space-based focus. Students interested in exoplanets and the potential for life on other worlds should take SES 126/SES 128. Students interested in life in extreme environments and the origins of life should take SES 122/SES 124.<br>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website. |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 14 | | |

- Join a student club or professional organization.
- Create a first draft resume.

| Term 3 28 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Develop your skills. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| BIO 181: General Biology I (SQ) | 4 | C | |
| SES 230: Coding for Exploration (CS) | 3 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 42 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | • SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Explore an internship. |
| BIO 182: General Biology II (SG) | 4 | C | |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Science and Society Elective | 3 | C | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 17 | | |

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GLG 321: Mineralogy | 3 | C | • Students should start meeting with faculty to discuss research opportunities |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |
| Upper Division Astrobiology & Biogeosciences Major Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GLG 481: Geochemistry | 3 | C | • Explore a research or internship opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students should talk to faculty mentors about how to find research opportunities.<br>• Use Handshake to research employment opportunities.<br>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way. |
| SES 311: Essentials of Astrobiology: Exploration for Life in the Universe | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- Students should meet with an advisor to do a graduation check.

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SES 410: Senior Exploration Project I | 3 | C | • Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.<br>• Apply for full-time career opportunities.<br>• If not already completed, students should meet with an advisor to do a graduation check. |
| Upper Division Astrobiology & Biogeosciences Major Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SES 411: Senior Exploration Project II | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Upper Division Astrobiology & Biogeosciences Major Electives |
|---|
| AST 321: Introduction to Planetary and Stellar Astrophysics |
| BIO 320: Fundamentals of Ecology |
| BIO 340: General Genetics |
| BIO 345: Evolution |
| GLG 404: Fundamentals of Planetary Geology |
| GLG 430: Paleontology |
| GLG 435: Sedimentology and Stratigraphy |
| GLG 460: Astrobiology |
| GLG 461: Geomicrobiology |
| GLG 485: Meteorites and Cosmochemistry |
| GLG 489: Field Geochemistry (L) |
| GLG 490: Remote Sensing |

SES 350: Engineering Systems and Experimental Problem Solving

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Earth and Space Exploration (Astrophysics), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASESABS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | • LIA 101 is mandatory for all first-year students.<br>• SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as alternatives although MAT 270, 271 and 272 are encouraged.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Select your career interest area and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | • SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as alternatives although MAT 270, 271 and 272 are encouraged.<br>• SESE will accept PHY 121/122 and PHY 131/132 as alternatives although PHY 150 and PHY 151 are encouraged.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Join a student club or professional organization.<br>• Create a first draft resume. |
| PHY 150: Physics I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | • SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as alternatives |

| | | |
|---|---|---|
| PHY 151: Physics II (SQ) | 4 | C |
| SES 230: Coding for Exploration (CS) | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

although MAT 270, 271 and 272 are encouraged.
- SESE will accept PHY 121/122 and PHY 131/132 as alternatives although PHY 150 and PHY 151 are encouraged.
- SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.
- Develop your skills.

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C | • SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Explore an internship. |
| PHY 252: Physics III (SQ) | 4 | C | |
| Science and Society Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AST 321: Introduction to Planetary and Stellar Astrophysics | 3 | C | • Students should meet with faculty to discuss research opportunities |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| PHY 314: Quantum Physics I | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AST 322: Introduction to Galactic and Extragalactic Astrophysics | 3 | C | • Explore a research or internship opportunity. In order to earn credits for an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students can talk to faculty mentors about how to find research opportunities.<br>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.<br>• Students should meet with an advisor to do a graduation check.<br>• Use Handshake to research employment opportunities. |
| AST 421: Astrophysics I | 3 | C | |
| Upper Division Astrophysics Major Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AST 422: Astrophysics II | 3 | C | • Students interested in graduate school should be researching programs and preparing |

| | | | |
|---|---|---|---|
| ★ SES 410: Senior Exploration Project I | 3 | C | application materials. Continue to meet with faculty for input along the way.<br>• If not already completed, students should meet with an advisor to do a graduation check.<br>• Apply for full-time career opportunities. |
| AST 498: Pro-Seminar | 1 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| **Term 8 106 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ SES 411: Senior Exploration Project II | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 8 | | |
| Term hours subtotal: | 14 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- The suggested list of electives are highly recommended but not required. Students who plan to take the physics GRE are encouraged to choose electives from the PHY options. There is also an option to choose an elective in other GLG, AST, SES, PHY or MAT areas as long as the subject is relevant to astrophysics and the course is upper division. Students should consult with a SESE advisor if they have questions about which courses would satisfy this requirement.

Hide Course List(s)/Track Group(s)

Upper Division Astrophysics Major Elective

GLG OR AST OR SES OR PHY OR MAT Upper Division Elective

GLG 404: Fundamentals of Planetary Geology

PHY 302: Mathematical Methods in Physics II

PHY 310: Classical Particles, Fields, and Matter I

PHY 311: Classical Particles, Fields, and Matter II

PHY 312: Mechanics and Electromagnetism

PHY 315: Quantum Physics II

PHY 361: Introductory Modern Physics

PHY 441: Statistical and Thermal Physics

SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

SES 350: Engineering Systems and Experimental Problem Solving

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Earth and Space Exploration (Exploration Systems Design), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASESESDBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • LIA 101 is mandatory for all incoming first-year students.<br>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Select your career interest area and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| SES 100: Introduction to Exploration (CS) | 3 | C | |
| SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ) | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• Students in this major have a choice between taking SES 122/SES 124 or SES 126/SES 128 in their second semester. SES 122/124 has an earth-based focus and SES 126/128 has a space-based focus. Students should take SES 122/SES 124 if they are interested in exploring the Earth and other objects in our solar system, or take SES 126/SES 128 if their interests are in exploration outside of the solar system.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Join a student club or professional organization.<br>• Create a first draft resume. |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab | 4 | C | |
| Elective | 2 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | • SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Develop your skills. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EEE 202: Circuits I | 4 | C | • SESE will accept CHM 114 or both CHM 113 and CHM 116 to meet the chemistry requirement.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Explore an internship. |
| MAE 201: Mechanics of Particles and Rigid Bodies I: Statics | 3 | C | |
| CHM 114: General Chemistry for Engineers (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SES 330: Practical Electronics and Instrumentation | 4 | C | • Students should start meeting with their faculty advisor to discuss research opportunities. |
| SES 350: Engineering Systems and Experimental Problem Solving | 3 | C | |
| Science and Society Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SES 405: Exploration Systems Engineering | 3 | C | • Explore a research or internship opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students can talk to faculty mentors about how to find research opportunities.<br>• Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.<br>• Students should meet with an advisor to do a graduation check.<br>• Use Handshake to research employment opportunities. |
| Upper Division Exploration Systems Design Concentration Elective | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Grade | Notes |
|---|---|---|---|
| SES 410: Senior Exploration Project I | 3 | C | • Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.<br>• If not already completed, students should meet with an advisor to do a graduation check.<br>• Apply for career opportunities. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SES 411: Senior Exploration Project II | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 8 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Upper Division Exploration Systems Design Concentration Elective

- AST 321: Introduction to Planetary and Stellar Astrophysics
- AST 322: Introduction to Galactic and Extragalactic Astrophysics
- GLG 321: Mineralogy
- GLG 404: Fundamentals of Planetary Geology
- GLG 424: Petrology
- GLG 471: Hydrology
- SES 307: Space Works I: Design, Build, Test
- SES 311: Essentials of Astrobiology: Exploration for Life in the Universe
- SES 407: Space Works II: Model, Fabricate, Test

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Earth and Space Exploration (Geological Sciences), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASESGSBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) | 3 | C | • Students who place into MAT 265 should take the course in term 1 to complete the MA requirement.<br>• LIA 101 is mandatory for all incoming first-year students.<br>• SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Select your career interest area and play me3@ASU.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.<br>• SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.<br>• Join a student club or professional organization.<br>• Create a first draft resume. |
| MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: Complete SESE faculty mentoring. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 28 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267. |
| MAT 266: Calculus for Engineers II (MA) | 3 | C | |
| SES 230: Coding for Exploration (CS) | 3 | C | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

- SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.
- Develop your skills.

| **Term 4 44 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C |
| Science and Society Elective | 3 | C |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Elective | 3 | |
| Milestone: Complete SESE faculty mentoring. | | |
| Term hours subtotal: | 16 | |

- SESE will accept Calculus with Analytic Geometry I, II and III (MAT 270/271/272) in place of MAT 265/266/267.
- SESE majors are strongly encouraged to meet with their faculty mentor at least once during their first and second year. Students can find their faculty mentor on the SESE advising website.
- Students should note that upcoming capstone classes, GLG 451 (offered in spring) and GLG 452 (offered in summer), are field trip-based courses.
- Explore an internship.

| **Term 5 60 - 76 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| GLG 310: Structural Geology | 3 | C |
| GLG 321: Mineralogy | 3 | C |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C |
| GLG OR SES Upper Division Elective | 3 | C |
| Upper Division Science and Society Elective | 3 | C |
| Term hours subtotal: | 16 | |

- Students need two GLG branch courses (six credits) and three upper-division GLG or SES electives (nine credits). Electives may be chosen from the branch course list or students may take any other upper-division GLG or SES courses offered by the School of Earth and Space Exploration.
- Students should meet with a faculty advisor to discuss research opportunities.
- Students should note that upcoming capstone classes, GLG 451 (offered in spring) and GLG 452 (offered in summer), are field trip-based courses.

| **Term 6 76 - 89 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| GLG 451: Field Geology I (L) | 3 | C |
| SES 401: Earth and Space Exploration Colloquium | 1 | C |
| GLG OR SES Upper Division Elective | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Upper Division Elective OR SES 484: Internship OR SES 499: Individualized Instruction | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 13 | |

- GLG 451 requires some weekend field trips as well as a field trip over spring break.
- Explore a research or internship opportunity. In order to earn credits for research or an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students should talk to faculty mentors about how to find research opportunities.
- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.

- Use Handshake to research employment opportunities.

| Summer 6 89 - 92 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GLG 452: Field Geology II (L) | 3 | C | • For GLG 452, students will take an ~3 week field trip to other parts of Arizona and/or nearby states. |
| Term hours subtotal: | 3 | | |

| Term 7 92 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division GLG Branch Course | 3 | C | • Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.<br>• Apply for career opportunities. |
| GLG OR SES Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division GLG Branch Course | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 8 | | |
| Elective | 2 | | |
| Term hours subtotal: | 13 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Upper Division GLG Branch Courses |
|---|
| GLG 362: Geomorphology |
| GLG 418: Geophysics |
| GLG 424: Petrology |
| GLG 430: Paleontology |
| GLG 435: Sedimentology and Stratigraphy |
| GLG 471: Hydrology |
| GLG 481: Geochemistry |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Economics, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAECNBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.<br>• Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142.<br>• Students considering graduate work in economics should choose MAT 270 or a prerequisite course. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 210: Brief Calculus (MA) | 3-4 | C | • Students considering graduate work in economics should select MAT 270 instead of MAT 210.<br>• Select your career interest area and play the game me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 13-14 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | C | • Students considering graduate work in economics should select MAT 271 instead of MAT 211.<br>• Many upper-division related area courses have prerequisites that can be completed as electives in terms 3, 4, and 5.<br>• Visit the Career and Professional Development Center to identify networking opportunities and to seek career planning assistance. |
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 211: Mathematics for Business Analysis | 3-4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |

| | | | |
|---|---|---|---|
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 16-17 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | C | • Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately.<br>• Attend career related workshops and meet with a career counselor to discuss professional goals. |
| ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 312: Intermediate Microeconomic Theory (SB) | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| ECN Upper Division Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 313: Intermediate Macroeconomic Theory (SB) | 3 | C | • Complete an internship to develop job-related skills and connections.<br>• Use Handshake to research employment opportunities. |
| ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics | 3 | C | |
| Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 4** Elective | 3 | C | • Attend a career or graduate education fair. |
| Related Area Course | 3 | C | |
| ECN Upper Division Elective | 3 | C | |
| Upper Division Elective OR LIA 484: Internship OR ECN 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 475: Capstone in Economics (L) | 3 | C | • Finalize future educational or career plans. |
| ECN 4** Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |

| | |
|---|---|
| Elective | 3 |
| Term hours subtotal: | 15 |

- Students must earn a C or better in all related area courses. Many upper-division related area courses have prerequisites that can be completed as electives.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Area Course |
|---|
| ACC Elective |
| AGB Upper Division Elective |
| ASB Upper Division Elective |
| CIS Elective |
| DAT Upper Division Elective |
| ENG 301: Writing for the Professions (L) |
| FIN Upper Division Elective |
| GCU Upper Division Elective |
| GIS Upper Division Elective |
| HPS Upper Division Elective |
| HST Upper Division Elective |
| LES Upper Division Elective |
| LIA 484: Internship |
| MAT Upper Division Elective |
| MKT Upper Division Elective |
| NLM Upper Division Elective |
| PAF Elective |
| PHI Upper Division Elective |
| POS Upper Division Elective |
| PSY 304: Effective Thinking (L) |
| PSY 350: Social Psychology (SB) |
| PSY 4** Elective |
| PUP Upper Division Elective |
| REA Upper Division Elective |

SCM Upper Division Elective

SGS Upper Division Elective

SOC 324: Sociology of Work and Organizations (SB & H)

SOC 331: Environmental Sociology (SB & G)

SOC 333: Population (SB & G)

SOC 339: Grassroots Social Movements (SB)

SOC 350: Inequality and Diversity in Education (L & C)

SOC 352: Social Change (SB & G & H)

SOC 4** Elective

SOS Upper Division Elective

STP Upper Division Elective

USL 410: Service Learning: Diverse Community Issues (L & C)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Economics, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAECNBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) | 3 | C | • Students placing into MAT 210 should take this course in Term 1-A. If not, students should select a prerequisite course. Students should not take MAT 142.<br>• ASU 101 or college-specific equivalent First-Year Seminar is required of all first-year students. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | • View ASU Online first-year student registration information here.<br>• Students may choose to complete Humanities (HU) and Historical Awareness (H) requirements separately.<br>• Many upper-division related area courses have prerequisites that can be completed as electives in earlier terms.<br>• Select your career interest area and play me@ASU. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • Review the Career Guide for ASU Online Students to learn about available career planning resources. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | C | • Many upper-division related area courses have prerequisites that can be completed as electives in earlier terms.<br>• Register for a Handshake account and participate in virtual career advising. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 211: Mathematics for Business Analysis | 3 | C | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | C | • Many upper-division related area courses have prerequisites that can be completed as electives in earlier terms.<br>• Create a first draft resume. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | • Develop your professional online presence. |
| Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 50 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | • Humanities (HU) and Cultural Diversity in the U.S. (C) requirements may be completed separately. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 312: Intermediate Microeconomic Theory (SB) | 3 | C | • View career webinars offered by Career and Professional Development Center. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Upper Division Science and Society Elective | 3 | C |
| ECN Upper Division Elective | 3 | C |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 313: Intermediate Macroeconomic Theory (SB) | 3 | C | • Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 410: Applied Regression Analysis and Forecasting | 3 | C | • Expand, refine and polish your resume. |
| Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 4** Elective | 3 | C | • Explore an internship.<br>• Complete a virtual practice interview. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 4** Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN Upper Division Elective | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 475: Capstone in Economics (L) | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 3 | | |

- Students must earn a C or better in all related area courses. Many upper-division related area courses have prerequisites that can be completed as electives.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
| --- |
| ACC Elective |
| AGB Upper Division Elective |
| ASB Upper Division Elective |
| CIS Elective |
| DAT Upper Division Elective |
| ENG 301: Writing for the Professions (L) |
| FIN Upper Division Elective |
| GCU Upper Division Elective |
| GIS Upper Division Elective |
| HST Upper Division Elective |
| LES Upper Division Elective |
| MAT Upper Division Elective |
| MKT Upper Division Elective |
| PAF Elective |
| PHI Upper Division Elective |
| POS Upper Division Elective |
| PSY 304: Effective Thinking (L) |
| PSY 350: Social Psychology (SB) |
| PSY 4** Elective |
| PUP Upper Division Elective |
| SCM Upper Division Elective |
| SGS Upper Division Elective |
| SOC 324: Sociology of Work and Organizations (SB & H) |
| SOC 4** Elective |
| SOS Upper Division Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Economics (Politics and the Economy), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAECNPECBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Mathematics (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required of all first-year students.<br>• Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142.<br>• Students considering graduate work in economics should choose MAT 270 or a prerequisite course.<br>• Students can choose to complete Humanities (HU) and Historical Awareness (H) separately. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 210: Brief Calculus (MA) | 3-4 | C | • Students considering graduate work in economics should select MAT 270 instead of MAT 210.<br>• Select your career interest area and play the game me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14-15 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | C | • Students considering graduate work in economics should select MAT 271 instead of MAT 211.<br>• Visit the Career and Professional Development Center to identify networking opportunities and to seek career planning assistance. |
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 211: Mathematics for Business Analysis | 3-4 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:* Elective | 5 | | |
| Complete First-Year Composition requirement. | | | |

| | | | |
|---|---|---|---|
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 15-16 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | C | • Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately.<br>• Students may choose to combine the Global Awareness (G) with a concentration elective or ECN upper-division course.<br>• Attend career related workshops and meet with a career counselor. |
| ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| Science and Society Elective | 3 | C | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 312: Intermediate Microeconomic Theory (SB) | 3 | C | • Join Handshake and research career and internship opportunities.<br>• Concentration areas include U.S. Government, Politics, and Law. Select three courses from one area, or select two courses from one area and a third course from a different area. |
| Upper Division Science and Society Elective | 3 | C | |
| Concentration Elective | 3 | C | |
| ECN Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 313: Intermediate Macroeconomic Theory (SB) | 3 | C | • Concentration areas include U.S. Government, Politics, and Law. Select three courses from one area, or select two courses from one area and a third course from a different area.<br>• Complete an internship to develop job-related skills and connections.<br>• Use Handshake to research employment opportunities. |
| ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy | 3 | C | |
| Concentration Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy | 3 | C | • Attend a career or graduate education fair. |
| ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics | 3 | C | |
| POS 348: Do You Want to Build a Nation? (L) | 3 | C | |
| Upper Division Elective OR LIA 484: Internship OR ECN 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 475: Capstone in Economics (L) | 3 | C | • Concentration areas include U.S. Government, Politics, and Law. Select |

| | | |
|---|---|---|
| ECN 345: Survey of Environmental and Resource Economics OR ECN 355: Economics of Healthcare OR ECN 445: Environmental Economics OR ECN 455: Health Economics | 3 | C |
| Concentration Elective | 3 | C |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| Term hours subtotal: | 15 | |

three courses from one area, or select two courses from one area and a third course from a different area.

- Finalize future educational or career plans.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Complete a minimum of three concentration electives. Concentration areas include U.S. Government, Politics, and Law. Select three courses from one area or select two from one area and a third from a different area.

Hide Course List(s)/Track Group(s)

| Politics Concentration Electives |
|---|
| POS 150: Comparative Government (SB & G) or POS 350: Comparative Politics (SB & G) |
| POS 160: Global Politics (SB & G) or POS 360: World Politics (SB & G) |
| POS 210: Political Ideologies (SB) |
| POS 240: Introduction to Southeast Asia ((HU or SB) & G) |
| POS 247: Introduction to Latin American Politics (SB & G) |
| POS 260: Current Issues in International Politics ((L or SB) & G) |
| POS 300: Contemporary Global Controversies (SB & G) |
| POS 301: Empirical Political Inquiry (SB) |
| POS 331: Public Opinion (SB) |
| POS 332: American Political Parties (SB) |
| POS 336: Voters in America (SB) |
| POS 339: Grassroots Social Movements (SB) |
| POS 346: Problems of Democracy (HU) |
| POS 352: European Democracies |
| POS 353: Comparative Politics of the Middle East |
| POS 356: European Union (SB & G) |

| Law Concentration Electives |
|---|
| POS 270: American Legal System (SB) |
| POS 313: The Congress (SB) |
| POS 315: The Supreme Court (SB) |
| POS 368: Ethics and Human Rights |
| POS 370: Law and Society (SB) |
| POS 465: International Organization and Law (SB & G) |
| POS 471: Constitutional Law I (SB) |
| POS 472: Constitutional Law II (SB) |
| POS 480: Global Justice (G) |

| U.S. Government Concentration Electives |
|---|
| POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) |
| POS 216: State and Local Government (SB) |
| POS 230: Current Issues in National Politics (L or SB) |
| POS 270: American Legal System (SB) |
| POS 313: The Congress (SB) |
| POS 314: The American Presidency (SB) |
| POS 315: The Supreme Court (SB) |
| POS 410: Governing American Cities (SB) |

POS 359: African Politics and Society (SB & G)

POS 361: American Foreign Policy (SB & G)

POS 364: National Security, Intelligence, and Terrorism (SB)

POS 367: World Politics and Global Inequalities (G)

POS 417: Arizona Politics (SB)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## English, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAENGBA

FT Fast Track Option: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students |
| ASU 101-LA: The ASU Experience | 1 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Select your career interest area and play me3@ASU. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Join a student club or professional organization. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 27 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |

| | | | |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Global Awareness (G) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 34 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 211: Introduction to English Studies (HU) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Analysis of Literature and Language Elective | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 47 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Explore an internship |
| Elective | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 47 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Analysis of Literature and Language Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 53 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 305: Interpretive Theory (HU) | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 308: Form and History/Culture (HU) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 66 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 309: Rhetoric for Writers (L) | 3 | C | • Research employment opportunities |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Analysis of Film and Media Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ENG 327: English Studies Research | 3 | C | |
| ★ Writing Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | • Apply for full-time career opportunities |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ENG 489: Scholarly Products | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Analysis of Film and Media Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Writing Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| Analysis of Literature and Language Electives | Analysis of Film and Media Electives | Writing Elective |
|---|---|---|
| ENG 204: Topics in Contemporary Literature (HU) | ENG 220: Gender, Media and Culture (HU & C) | ENG 200: Critical Reading and Writing About Literature (L or HU) |
| ENG 221: Survey of English Literature (HU) | ENG 324: Horror: Film and Short Stories | ENG 210: Introduction to Creative Writing |
| ENG 222: Survey of English Literature (HU & H) | ENG 336: Women, Film and Culture (SB & C) | ENG 215: Strategies of Academic Writing (L) |
| ENG 229: Love and Lust in Medieval Literature | ENG 343: Crime: Film and Short Stories | ENG 216: Persuasive Writing on Public Issues (L) |
| ENG 241: Literatures of the United States to 1860 ((L or HU) & C) | ENG 362: Film and Media Franchises or FMS 362: Film and Media Franchises | ENG 217: Writing Reflective Essays (L) |
| ENG 242: Literatures of the United States, 1860 to Present (HU) | ENG 365: History of Film (HU) | ENG 287: Beginning Creative Writing Workshop in Poetry |
| ENG 303: Classical Backgrounds of English Literature (HU) | ENG 366: Literature on Film | ENG 288: Beginning Creative Writing Workshop in Fiction |
| ENG 318: The Life and Death of Languages | ENG 441: Introduction to Participatory Media | ENG 301: Writing for the Professions (L) |
| ENG 319: Future of English (G) | ENG 443: Gender, Culture and Literacy | ENG 310: Intermediate Creative Writing |
| ENG 321: Shakespeare (L or HU) | ENG 465: Studies in Film | ENG 311: Persuasive Writing (L) |
| ENG 323: Rhetoric and Grammar (L) | ENG 466: Studies in International Film | ENG 317: Cross-Cultural Writing ((L or HU) & G) |
| ENG 328: The Novel to Jane Austen (HU & H) | FMS 110: Introduction to New Media (HU) | ENG 379: Travel Writing (L) |
| ENG 329: 19th-Century British Fiction | FMS 360: Media Genres | ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice |
| ENG 333: American Ethnic Literature | | ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice |
| ENG 334: The American Southwest in Literature and Film ((L or HU) & C) | | ENG 410: Writing for Publication |
| ENG 337: Major American Novels (L or HU) | | |
| ENG 345: Selected Authors or Issues | | |
| ENG 352: Short Story (L or HU) | | |
| ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) | | |
| ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) | | |
| ENG 356: The Bible as Literature (HU) | | |
| ENG 359: Indigenous American Literature ((L or HU) & C) | | |
| ENG 360: Western American Literature (L or HU) | | |
| ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) | | |

ENG 364: Women and Literature (HU)

ENG 369: Science Fiction Studies

ENG 386: American Gothic

ENG 400: History of Literary Criticism (L or HU)

ENG 413: History of English Language (HU)

ENG 420: Multicultural Autobiographies ((L or HU) & C)

ENG 421: Studies in Shakespeare (L or HU)

ENG 423: Renaissance Drama (L or HU)

ENG 432: The American Renaissance (HU)

ENG 436: Studies in Anglophone Literature and Culture

ENG 440: Studies in American Literature and Culture

ENG 457: Studies in American Poetry (HU)

ENG 460: Ethnic Women Writers

ENG 470: Symbols and Archetypes in Children's Literature (L or HU)

ENG 471: Literature for Young Adults (HU)

ENG 472: Rhetorical Studies

ENG 477: World Literature ((L or HU) & G)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

**Total College Residency Hrs:** 12 minimum

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## English (Creative Writing), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAENGCBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU. |
| ENG 110: Approaching Big Problems | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Literacy and Critical Inquiry (L) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction | 3 | C | • Develop your skills |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 300: Your Degree in the World | 1 | C | • Explore an internship |
| ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice OR ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice | 3 | C | |
| American Literature Course - 200 Level or Above | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 487: Advanced Creative Writing Workshop in Poetry OR ENG 488: Advanced Creative Writing Workshop in Fiction | 3 | B | • Research employment opportunities |
| Upper Division Literary Study Course | 3 | C | |
| ENG Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 2 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 3.25 GPA in Major Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 498: Capstone Fiction (L) OR ENG 498: Capstone Poetry (L) | 3 | B | • Apply for full-time career opportunities |
| ENG Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Maintain 3.25 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ 4** (400) Level Literary Studies Course | 3 | C | |
| ENG Upper Division Elective OR ENG 484: Internship | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Maintain 3.25 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| American Literature Course - 200 Level or Above |
|---|
| ENG 241: Literatures of the United States to 1860 ((L or HU) & C) |
| ENG 242: Literatures of the United States, 1860 to Present (HU) |
| ENG 333: American Ethnic Literature |
| ENG 335: American Poetry |
| ENG 337: Major American Novels (L or HU) |
| ENG 345: Selected Authors or Issues |
| ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |
| ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) |
| ENG 359: Indigenous American Literature ((L or HU) & C) |
| ENG 360: Western American Literature (L or HU) |
| ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) |
| ENG 434: Studies in the Literature and Culture of the Americas |
| ENG 440: Studies in American Literature and Culture |
| ENG 445: Studies in American Realism (L or HU) |
| ENG 453: Studies in the American Novel (HU) |
| ENG 457: Studies in American Poetry (HU) |

| Upper Division Literary Study Course |
|---|
| ENG 303: Classical Backgrounds of English Literature (HU) |
| ENG 315: Medieval Literature in Translation |
| ENG 321: Shakespeare (L or HU) |
| ENG 325: Restoration and the 18th Century |
| ENG 326: English Drama 1660-1800 (HU) |
| ENG 328: The Novel to Jane Austen (HU & H) |
| ENG 329: 19th-Century British Fiction |
| ENG 330: 19th-Century British Poetry |
| ENG 332: Studies in Race and Ethnicity in Literature and Culture |
| ENG 333: American Ethnic Literature |
| ENG 335: American Poetry |
| ENG 337: Major American Novels (L or HU) |
| ENG 338: Protest Literature |
| ENG 342: 20th-Century British and Irish Literature (HU) |
| ENG 345: Selected Authors or Issues |
| ENG 349: Global Literary Studies |
| ENG 350: Studies in Literary Histories and Traditions |
| ENG 352: Short Story (L or HU) |
| ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |

| 400-Level Literary Study Course |
|---|
| ENG 400: History of Literary Criticism (L or HU) |
| ENG 401: Topics in Critical Theory |
| ENG 415: Studies in Medieval Literature and Culture (HU) |
| ENG 416: Chaucer in Middle English (HU) |
| ENG 418: Renaissance Literature (L or HU) |
| ENG 421: Studies in Shakespeare (L or HU) |
| ENG 422: Special Topics in Shakespeare |
| ENG 423: Renaissance Drama (L or HU) |
| ENG 424: Milton (HU) |
| ENG 425: Studies in Romanticism (HU) |
| ENG 426: British Culture and Empire |
| ENG 427: Studies in 18th-Century Literature and Culture (HU) |
| ENG 429: Politics & Culture in European Short Fiction |
| ENG 430: Studies in Victorian Literature and Culture (L or HU) |
| ENG 434: Studies in the Literature and Culture of the Americas |
| ENG 435: Literatures and Cultures of Immigration and Diaspora |
| ENG 436: Studies in Anglophone Literature and Culture |
| ENG 437: The American Novel, 1900 - 1960 (L or HU) |
| ENG 440: Studies in American Literature and Culture |

ENG 458: Latina/o Literature ((L or HU) & C)

ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 355: European Dramatic Traditions (L or HU)

ENG 356: The Bible as Literature (HU)

ENG 359: Indigenous American Literature ((L or HU) & C)

ENG 360: Western American Literature (L or HU)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

ENG 364: Jane Austen (HU)

ENG 369: Science Fiction Studies

ENG 384: Studies in Gender and Sexuality in Literature and Culture

ENG 400: History of Literary Criticism (L or HU)

ENG 401: Topics in Critical Theory

ENG 415: Studies in Medieval Literature and Culture (HU)

ENG 416: Chaucer in Middle English (HU)

ENG 418: Renaissance Literature (L or HU)

ENG 421: Studies in Shakespeare (L or HU)

ENG 422: Special Topics in Shakespeare

ENG 423: Renaissance Drama (L or HU)

ENG 424: Milton (HU)

ENG 425: Studies in Romanticism (HU)

ENG 426: British Culture and Empire

ENG 427: Studies in 18th-Century Literature and Culture (HU)

ENG 429: Politics & Culture in European Short Fiction

ENG 430: Studies in Victorian Literature and Culture (L or HU)

ENG 434: Studies in the Literature and Culture of the Americas

ENG 435: Literatures and Cultures of Immigration and Diaspora

ENG 436: Studies in Anglophone Literature and Culture

ENG 442: Studies in 20th-Century British and Irish Literature and Culture

ENG 444: Topics for Interdisciplinary Study of Literature and Culture

ENG 445: Studies in American Realism (L or HU)

ENG 447: Experimental Narrative (HU)

ENG 448: Studies in Irish Literature and Culture

ENG 452: Studies in the Novel (HU)

ENG 453: Studies in the American Novel (HU)

ENG 455: Contemporary Women Writers

ENG 457: Studies in American Poetry (HU)

ENG 458: Latina/o Literature ((L or HU) & C)

ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G)

ENG 461: Studies in Women and Literature

ENG 465: Studies in Film

ENG 469: Science and Literature

ENG 470: Symbols and Archetypes in Children's Literature (L or HU)

ENG 471: Literature for Young Adults (HU)

ENG 476: Studies in Folklore

ENG 478: Studies in Modernism

ENG 479: Studies in Postmodernism (HU & G)

ENG 437: The American Novel, 1900 - 1960 (L or HU)

ENG 440: Studies in American Literature and Culture

ENG 442: Studies in 20th-Century British and Irish Literature and Culture

ENG 444: Topics for Interdisciplinary Study of Literature and Culture

ENG 445: Studies in American Realism (L or HU)

ENG 447: Experimental Narrative (HU)

ENG 448: Studies in Irish Literature and Culture

ENG 452: Studies in the Novel (HU)

ENG 453: Studies in the American Novel (HU)

ENG 455: Contemporary Women Writers

ENG 457: Studies in American Poetry (HU)

ENG 458: Latina/o Literature ((L or HU) & C)

ENG 459: Studies in African American/Caribbean Literatures ((L or HU) & G)

ENG 461: Studies in Women and Literature

ENG 465: Studies in Film

ENG 469: Science and Literature

ENG 470: Symbols and Archetypes in Children's Literature (L or HU)

ENG 471: Literature for Young Adults (HU)

ENG 476: Studies in Folklore

ENG 478: Studies in Modernism

ENG 479: Studies in Postmodernism (HU & G)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.25 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## English (Linguistics), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAENGNBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU. |
| ENG 110: Approaching Big Problems | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 213: Introduction to the Study of Language OR SLC 201: Introduction to Linguistics (HU or SB) | 3 | C | |

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.00 GPA in Major Courses. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG Elective | 3 | C | • Explore an internship |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 300: Your Degree in the World | 1 | C | |
| ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar | 3 | C | |
| Course taught in a language other than English beyond the 202 level (greater than 314 for POR or ROM) OR introductory course in a third language (not English) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar | 3 | C | • Research employment opportunities |
| ENG 403: Semantics OR ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar | 3 | C | • Apply for full-time career opportunities |
| ENG 413: History of English Language (HU) | 3 | C | |
| ENG Upper Division Elective OR ENG 484: Internship | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 403: Semantics OR ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - • Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## English (Literature), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAENGTBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU. |
| ENG 110: Approaching Big Problems | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Literacy and Critical Inquiry (L) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 206: Introduction to Literary Studies | 3 | C | |
| ENG 221: Survey of English Literature (HU) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) | 3 | C | |

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.00 GPA in Major Courses. | | |
| Term hours subtotal: | 14 | |

| **Term 4 44 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 222: Survey of English Literature (HU & H) OR ENG 242: Literatures of the United States, 1860 to Present (HU) | 3 | C | • Explore an internship |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 2 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 300: Your Degree in the World | 1 | C | |
| ENG 304: Critical Theories and Methods | 3 | C | |
| ENG 332: Studies in Race and Ethnicity in Literature and Culture OR ENG 384: Studies in Gender and Sexuality in Literature and Culture | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 349: Global Literary Studies OR ENG 350: Studies in Literary Histories and Traditions | 3 | C | • Research employment opportunities |
| ENG Elective OR ENG 484: Internship | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 444: Topics for Interdisciplinary Study of Literature and Culture | 3 | C | • Apply for full-time career opportunities |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| Elective | 3 | |
| Maintain 2.00 GPA in Major Courses. | | |
| Term hours subtotal: | 15 | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ ENG 491: Topics for Advanced Research | 3 | C | |
| ENG course (L) Upper Division | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# English (Secondary Education), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAENGSEBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU. |
| ENG 110: Approaching Big Problems | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization.<br>• GCU 113 meets the US and AZ constitution requirements for AZ teacher certification and carries the SB and H designations. |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | • Apply for an Identity Verified Print (IVP) DPS fingerprint card, required by state law for participation in internships in 6-12th grade schools. |
| ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU) | 3 | C | |

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 213: Introduction to the Study of Language | 3 | C | • Meet with your advisor early in the semester to discuss enrollment in Teachers College (TEL) courses for Term 5. There may be specific steps you need to follow prior to enrolling in these courses, including verification that you have obtained an IVP fingerprint card. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| *Complete 2 courses:*<br>ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU) | 6 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 300: Your Degree in the World | 1 | C | • While enrolled in TEL 355, you will be paired with a mentor teacher in a 6-12th grade classroom. You will need to complete 45 hours over the semester. Reliable transportation is needed to get to school sites. |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 355: Internship: Initial | 1 | C | |
| ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU) | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | • While enrolled in TEL 366, you will be paired with a mentor teacher in a 6-12th grade classroom. You will need to complete 45 hours over the semester. Reliable transportation is needed to get to school sites.<br>• Research employment opportunities. |
| TEL 366: Internship: Intermediate | 1 | C | |
| Ethnic or Women's Literature Course | 3 | C | |
| ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar | 3 | C | |
| ENG 321: Shakespeare (L or HU) OR ENG 421: Studies in Shakespeare (L or HU) OR ENG 422: Special Topics in Shakespeare | 3 | C | |
| ENG 480: Methods of Teaching English: Composition (L) | 3 | C | |

| | | |
|---|---|---|
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Minimum 2.25 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

| Term 7 91 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 482: Methods of Teaching English: Language (L) | 3 | C | • All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.<br>• While enrolled in TEL 477, you will be paired with a mentor teacher in a 6-12th grade classroom. You will need to complete 75 hours over the semester. Reliable transportation is needed to get to school sites.<br>• Students seeking teacher certification must pass required educator exams. Please speak with your Teachers College Advisor to plan appropriately.<br>• Apply for full-time career opportunities. |
| ENG 486: Teaching Text | 3 | C | |
| TEL 332: Disciplinary Literacy Methods | 3 | C | |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C | |
| TEL 477: Internship: Advanced | 2 | C | |
| ENG 471: Literature for Young Adults (HU) | 3 | C | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | • Student teaching requires a full-time commitment in a 6-12th grade classroom for the semester. |
| TEL 488: Student Teaching | 11 | C | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Ethnic or Women's Literature |
|---|
| ENG 332: Studies in Race and Ethnicity in Literature and Culture |
| ENG 333: American Ethnic Literature |
| ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |
| ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) |
| ENG 359: Indigenous American Literature ((L or HU) & C) |
| ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) |
| ENG 364: Women and Literature (HU) |
| ENG 384: Studies in Gender and Sexuality in Literature and Culture |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## English (Writing, Rhetorics and Literacies), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAENGWBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU. |
| ENG 110: Approaching Big Problems | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 205: Introduction to Writing, Rhetorics and Literacies (L) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.00 GPA in Major Courses. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG Elective | 3 | C | • Explore an internship |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 2 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 300: Your Degree in the World | 1 | C | |
| *Complete 2 courses:*<br>ENG 390: Methods of Inquiry (L) OR ENG 391: Writing in Context OR ENG 392: History of Rhetorical Theory (HU) OR ENG 393: Theories of Literacy | 6 | C | • ENG electives must be taken at the 200 level or above. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>ENG 390: Methods of Inquiry (L) OR ENG 391: Writing in Context OR ENG 392: History of Rhetorical Theory (HU) OR ENG 393: Theories of Literacy | 6 | C | • ENG electives must be taken at the 200 level or above<br>• Research employment opportunities. |
| Upper Division Directed Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Directed Elective | 6 | C | • The required ENG 484 internship may be taken in either term 7 or term 8.<br>• ENG electives must be taken at the 200 level or above. |
| ENG Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |

| | | | |
|---|---|---|---|
| Maintain 2.00 GPA in Major Courses. | | | • Apply for full-time career opportunities |
| | Term hours subtotal: | 15 | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ENG 484: Internship | 3 | C | • ENG electives must be taken at the 200 level or above.<br>• The required ENG 484 internship may be taken in either term 7 or term 8. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Maintain 2.00 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Directed Electives |
|---|
| ENG 301: Writing for the Professions (L) |
| ENG 311: Persuasive Writing (L) |
| ENG 317: Cross-Cultural Writing ((L or HU) & G) |
| ENG 338: Protest Literature |
| ENG 370: Science, Values, and the Public |
| ENG 371: Rhetoric of the Environmental Movement |
| ENG 409: Analyzing Rhetoric |
| ENG 419: Writing for Podcasts |
| ENG 472: Rhetorical Studies |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Family and Human Development, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAFASBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FAS 101: Personal Growth and Relationships (SB) OR CDE 232: Human Development (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Community and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Related Area Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FAS 101: Personal Growth and Relationships (SB) OR CDE 232: Human Development (SB) | 3 | C | • Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| FAS 201: Careers in Family and Human Development | 1 | C | |
| Related Area Course | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | |
| CDE OR FAS Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FAS 290: Introduction to Social Science Research | 3 | C | • Explore an internship. |
| Related Area Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | |
| FAS 331: Modern Family Relationships (SB) | 3 | C | |
| FAS 370: Family Ethnic and Cultural Diversity (SB & C) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 312: Adolescence (SB) OR CDE 414: The School-Aged Child: Development in the Elementary Years OR CDE 418: Aging and the Life Course (SB & H) OR CDE 430: Infant and Toddler Development in the Family (SB) | 3 | C | • Research employment opportunities.<br>• A maximum of six credits combined of FAS 390, FAS 484 and FAS 499 may apply to major electives. |
| CDE OR FAS Upper Division Elective | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Elective OR FAS 484: Internship | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 450: Childhood Disorders and Family Functioning (L) OR FAS 361: Applied Research Methods (L or SB) OR FAS 435: Advanced Topics in Modern Family Relationships (L or SB) | 3 | C | • Gather professional references. |
| CDE OR FAS Upper Division Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE OR FAS Upper Division Elective | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Elective | | 5 |
| | Term hours subtotal: | 14 |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses

CAP OR COM OR DST OR ECS OR NLM OR OGL OR PRM OR PSY OR SHS OR SOC OR SPE OR SWU Elective

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Family and Human Development, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAFASBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 232: Human Development (SB) OR FAS 101: Personal Growth and Relationships (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students<br>• Select your Career Interest Community and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FAS 201: Careers in Family and Human Development | 1 | C | • View ASU Online first-year student registration information here. |
| Related Area Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 232: Human Development (SB) OR FAS 101: Personal Growth and Relationships (SB) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 20 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • This degree requires completion of MAT 142 with a grade of C or better. Transfer students who have not completed a math course directly equivalent to an ASU course meeting the requirement will be required to take an additional math course.<br>• Create a first draft resume. |
| Related Area Course | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 26 - 33 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | |
| Elective | 3 | |
| Term hours subtotal: | 7 | |

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FAS 290: Introduction to Social Science Research | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 45 - 52 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Develop your skills |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 52 - 58 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | |
| FAS 331: Modern Family Relationships (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 58 - 64 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FAS 370: Family Ethnic and Cultural Diversity (SB & C) | 3 | C | |
| CDE OR FAS Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 64 - 70 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE OR FAS Upper Division Elective | 3 | C | • A maximum of six credits combined of FAS 390, FAS 484 and FAS 499 may apply to major electives. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 70 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | • Research employment opportunities |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 76 - 82 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CDE 312: Adolescence (SB) OR CDE 414: The School-Aged Child: Development in the Elementary Years OR CDE 418: Aging and the Life Course (SB & H) OR CDE 430: Infant and Toddler Development in the Family (SB) | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 82 - 88 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 88 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FAS 361: Applied Research Methods (L or SB) OR FAS 435: Advanced Topics in Modern Family Relationships (L or SB) OR CDE 450: Childhood Disorders and Family Functioning (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 94 - 100 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | • Gather professional references |
| Term hours subtotal: | 6 | | |

| Term 9 - A 100 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CDE OR FAS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 106 - 112 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 112 - 118 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CDE OR FAS Upper Division Elective | 3 | C | • Apply for full-time career opportunities |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 118 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 2 | | |
| Term hours subtotal: | 2 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
| --- |
| CAP OR COM OR DST OR ECS OR NLM OR OGL OR PRM OR PSY OR SHS OR SOC OR SPE OR SWU Elective |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Film (Film and Media Studies), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAFMSBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 100: Introduction to Film and Media Studies (HU) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 200: Film and Media History ((L or HU) & H) | 3 | C | • Join a student club or professional organization |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 14 |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS OR FMP Elective | 3 | C | • Explore an internship |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C) | 3 | C | |
| *Complete 2 courses:*<br>Directed Electives | 6 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C) | 3 | C | • Research employment opportunities |
| Directed Electives | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C) | 3 | C | • Apply for full-time career opportunities |
| Directed Electives | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Directed Electives | 3 | C | |
| FMS OR FMP Upper Division Elective OR FMS 484: Internship | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Directed Electives |
| --- |
| FMS 209: Screenwriting Fundamentals |
| FMS 302: U.S. Media Industries |
| FMS 340: Contemporary American Film and Popular Culture (HU) |
| FMS 360: Media Genres |
| FMS 365: Video Games and Narrative |
| FMS 374: Film and Media Visionaries |
| FMS 461: Film Theory and Criticism |
| FMS 474: Women and Power in Media |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Film (Film and Media Studies), BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAFMSBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 100: Introduction to Film and Media Studies (HU) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• View ASU Online first-year student registration information here.<br>• Select your career interest area and play me3@ASU. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 21 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Join a student club or professional organization |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 21 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 200: Film and Media History ((L or HU) & H) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 28 - 35 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 35 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Contact Career and Professional Development Services and schedule an appointment with a career advisor for assistance with career planning and networking. |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 41 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS OR FMP Elective | 3 | C | • Explore an internship |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 47 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 53 - 59 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C) | 3 | C | |
| Directed Electives | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 59 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Directed Electives | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 66 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C) | 3 | C | • Research employment opportunities |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FMS 300: Television Studies (L or HU) OR FMS 351: Emerging Digital Media OR FMS 380: Race and Gender in U.S. Media (HU & C) | 3 | C | |
| Upper Division Elective | 3 | | |

| | | | |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Directed Electives | 3 | C | • Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Directed Electives | 3 | C | • Create or update your resume. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | • Use Handshake to research employment opportunities. |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ FMS OR FMP Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | • Apply for full-time career opportunities. |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Directed Electives | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

Directed Electives

FMS 209: Screenwriting Fundamentals

FMS 302: U.S. Media Industries

FMS 340: Contemporary American Film and Popular Culture (HU)

FMS 360: Media Genres

FMS 365: Video Games and Narrative

FMS 374: Film and Media Visionaries

FMS 461: Film Theory and Criticism

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## French, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAFREBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a placement test.<br>• Learn about French Language Intensive Courses.<br>• Students may opt to take FRE 110 Intensive French I (equivalent to FRE 101 and FRE 102) in term 1. This course is offered in the Fall semester.<br>• Engage in French at ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| FRE 101: Elementary French I (G) | 4 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Start planning your study abroad experience. Learn about faculty-directed summer programs in Lyon, France. Attend a Financing Your Study Abroad Program Workshop.<br>• Activate your Handshake account and build out your profile.<br>• Students may opt to take FRE 210 Intensive French II (equivalent to FRE 201 and FRE 202) in term 2. This course is offered in Spring only. |
| FRE 102: Elementary French II (G) | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 or ENG 105 or ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FRE 201: Intermediate French I (G) | 4 | C | • Meet with a School of International Letters and Cultures academic advisor to learn about internships and scholarships and awards for language and culture majors. |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete First-Year Composition requirement. | | | |

| | | | |
|---|---|---|---|
| Complete Mathematics (MA) requirement. | | | • French offers a huge advantage if you are interested in working for the Peace Corps. |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FRE 202: Intermediate French II (G) | 4 | C | • Meet with a School of International Letters and Cultures academic advisor to learn which semester or academic year study abroad program works best with your major. |
| Upper Division Related Area Course | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:* Elective | 5 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FRE 305: Readings in French Literature (G) | 3 | C | • Enroll in listed courses or meet with your academic advisor about participating in an International Letters and Cultures endorsed study abroad program for your major.<br>• Find out about research opportunities with the Humanities Lab at ASU. |
| FRE 311: Oral and Written Expression I (G) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FRE 312: Oral and Written Expression II (G) | 3 | C | • Learn about national scholarships, fellowships, and research opportunities.<br>• Secure a part-time job or volunteer experience.<br>• Use Handshake to research employment opportunities. |
| FRE 321: French Cultural Masterpieces I ((L or HU) & H) OR FRE 322: French Cultural Masterpieces II (L or HU) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FRE 321: French Cultural Masterpieces I ((L or HU) & H) OR FRE 322: French Cultural Masterpieces II (L or HU) | 3 | C | • Enroll in listed courses or meet with your academic advisor about participating in an International Letters and Cultures recommended study abroad program for your major. |
| *Complete 2 courses:* FRE 4** Elective | 6 | C | |
| Upper Division Elective OR FRE 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| FRE 4** Elective | 3 | C | • Attend an ASU Career Services workshop or Job Fair. |
| FRE Upper Division Elective | 3 | C | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | | 6 |
| Elective | | 3 |
| | Term hours subtotal: | 15 |

Hide Course List(s)/Track Group(s)

| Related Area Course |
|---|
| ARS 310: The Renaissance in Tuscany |
| ARS 414: Monasteries, Madonnas and Manuscripts (HU & H) |
| ARS 424: Italian Baroque Art (HU & H) |
| ARS 438: Art of the 20th Century I (HU & H) |
| ARS 439: Art of the 20th Century II (HU & H) |
| COM 371: Language, Culture, and Communication (SB & C & G) |
| FMP 404: World Cinema (G) |
| GCU 325: Geography of Europe (SB & G) |
| GCU 359: Cities of the World I (SB & G & H) |
| HST 349: Early Middle Ages ((HU or SB) & H) |
| HST 350: Later Middle Ages ((HU or SB) & H) |
| HST 351: Renaissance Europe ((L or HU or SB) & H) |
| HST 352: Europe's Reformations ((L or HU or SB) & H) |
| HST 356: Europe since 1945 (SB & G & H) |
| HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) |
| HST 361: Witchcraft and Heresy in Europe ((L or HU) & H) |
| HST 362: Sex and Society in Classical and Medieval Europe (SB & H) |
| HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H) |
| HST 364: Sex and Society in Modern Europe ((L or SB) & H) |
| HST 365: World Wars I and II: Europe's Eastern Front |
| HST 368: Culture and Imagination in European History (HU & H) |

HST 465: Women in Europe, 1750 to Present ((HU or SB) & H)

ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy

POS 356: European Union (SB & G)

POS 360: World Politics (SB & G)

POS 486: International Political Economy (SB & G)

REL 385: Contemporary Western Religious Thought (HU)

REL 470: Religion in the Middle Ages (HU & H)

REL 471: Reformation and Modern Christianity (HU & H)

SGS 360: Cultural Aspects of Globalization

SLC 340: Approaches to International Cinema (HU & G)

SLC 373: Roman History I: Foundations and Republic

SLC 374: Roman History II: The Roman Empire (HU & H)

SLC 423: Italian Organized Crime in Films and History ((L or HU) & G)

SLC 429: Studies in European Literature and Culture

SLC 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (L or HU)

SLC 445: Holocaust, War and German Memory (HU)

SLC 446: Weimar-Era German Film

SLC 447: German Modernism

SLC 455: Berlin: Migration, Arts and Activism (G)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Gender, Women and Sexuality Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAWSTBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST 100: Women, Gender, and Society (SB & C) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Activate your Handshake account and build out your profile. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Women and Gender Studies Related Area Course | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST Elective | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST 377: History of American Feminist Thought (H & C) OR WST 378: Global Feminist Theory (L & G) | 3 | C | • Explore an internship |
| Upper Division Women and Gender Studies Related Area Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST 380: Race, Gender, and Class (SB & C) | 3 | C | • Develop your professional online presence |
| WST Upper Division Elective | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Women and Gender Studies Related Area Course | 3 | C | |
| *Complete 2 courses:*<br>WST Upper Division Elective | 6 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST 4** Elective OR SST 484: Internship | 3 | C | • SST 484: Internship preferred for Tempe campus students.<br>• SST 484 requires departmental approval for enrollment.<br>• Gather professional references. |
| Upper Division Women and Gender Studies Related Area Course | 3 | C | |
| WST Upper Division Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST 498: Pro-Seminar (L) | 3 | C | |
| Upper Division Women and Gender Studies Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |

Term hours subtotal: 15

Hide Course List(s)/Track Group(s)

Gender, Women, and Sexuality Studies Related Area Courses

AFR OR AMS OR APA OR JUS OR SST OR WST Elective

ARB 341: Quran Text and Women (HU & H)

ARS 485: Women in the Visual Arts (L)

ASB 210: Human Sexuality: Anthropological Perspectives (SB & G)

ASB 211: Women in Other Cultures ((HU or SB) & G)

COM 316: Gender and Communication (SB & C)

COM 416: Gender and Race in the Media

COM 446: Performance of Literature Written by Women ((L or HU) & C)

CRJ 305: Gender, Crime, and Criminal Justice (C)

ENG 364: Women and Literature (HU)

ENG 454: Gender and Literature (L or HU)

ENG 455: Contemporary Women Writers

ENG 460: Ethnic Women Writers

ENG 461: Studies in Women and Literature

ENG 462: Africana Literature (HU & G)

FAS 331: Modern Family Relationships (SB)

FAS 332: Human Sexuality (SB)

FAS 436: Sexuality in Mid-Life and Beyond

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 329: Women in 20th-Century U.S. West (H & C)

HST 465: Women in Europe, 1750 to Present ((HU or SB) & H)

IAP 310: Women in Art

LSC 363: Genes, Race, Gender, and Society (L)

MUS 410: History of Women in Music (HU & C & H)

POS 435: Women and Politics (SB & C)

POS 436: Gender, Sexuality, Nation-States

POS 437: Women, Power, and Politics (G)

PSY 369: Biology of Human Sexuality

PSY 385: Psychology of Gender (SB)

PUP 445: Women and Environments (C)

REL 369: Women in Islam

REL 390: Women, Gender and Religion (HU & G)

REL 393: Religion and Sex (HU)

SOC 264: Sociology of Gender (SB & C)

SOC 315: Sociology of Dating, Relationships and Marriage (SB)

SOC 424: Women and Health (SB)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Gender, Women and Sexuality Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAWSTBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST 100: Women, Gender, and Society (SB & C) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Activate your Handshake account and build out your profile. |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 23 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 23 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Women and Gender Studies Related Area Course | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 7 |

| Term 3 - A 30 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST Elective | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST 377: History of American Feminist Thought (H & C) OR WST 378: Global Feminist Theory (L & G) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 51 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST Upper Division Elective | 3 | C | • Explore an internship. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 60 - 67 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST 380: Race, Gender, and Class (SB & C) | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 67 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST Upper Division Elective | 3 | C | • Develop your professional online presence |
| Upper Division Women and Gender Studies Related Area Course | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 76 - 82 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| WST Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 82 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Women and Gender Studies Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 2 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 8 | | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WST 4** Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Women and Gender Studies Related Area Course | 3 | C | • Gather professional references |
| WST Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ WST 498: Pro-Seminar (L) | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Women and Gender Studies Related Area Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

Women and Gender Studies Related Area Course

- AFR 375: Race, Gender and Sport (SB & C)
- AFR 460: Race, Gender, and Media (C)
- APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C)
- ARS 485: Women in the Visual Arts (L)
- COM 316: Gender and Communication (SB & C)
- CRJ 305: Gender, Crime, and Criminal Justice (C)

ENG 460: Ethnic Women Writers

FAS 331: Modern Family Relationships (SB)

FAS 332: Human Sexuality (SB)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

JUS 329: Domestic Violence (SB)

POS 435: Women and Politics (SB & C)

PSY 385: Psychology of Gender (SB)

REL 390: Women, Gender and Religion (HU & G)

SOC 264: Sociology of Gender (SB & C)

SOC 315: Sociology of Dating, Relationships and Marriage (SB)

SOC 424: Women and Health (SB)

WST Upper Division Elective

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Geographic Information Science, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAGISBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • MAT 170 is the required math course for this major. If a student does not qualify for MAT 170 enrollment, they should enroll in MAT 117 to prepare for MAT 170.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students will select two Related Area courses from the list of subject areas below.<br>• Set up your Handshake account, play me3@asu.edu and select your area of career interest. |
| Mathematics (MA) | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Related Area Course | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Students will select two Related Area courses from the list of subject areas below.<br>• Join a student club or professional development. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here.<br>• Research study abroad opportunities and global virtual internships. |
| GIS 205: Geographic Information Science I (CS) | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| Related Area Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 211: Geographic Information Science II (CS) | 4 | C | • For a full list of Science and Society courses, go here.<br>• Visit the SGSUP Career Development page to schedule a meeting with your career advisor for assistance with career planning and networking. |
| GIS 270: Statistics for Geography and Planning | 3 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 222: Programming Principles in GIS I | 3 | C | • Students interested in finding an internship should start investigating internship opportunities and researching potential internship sites. Students can earn academic credit while completing an internship. |
| GIS 311: Geographic Information Science III (CS) | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 322: Programming Principles in GIS II | 3 | C | • Attend SGSUP Career Navigator event.<br>• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest.<br>• Students interested in pursuing an accelerated master's degree in urban and environmental planning should initiate contact with graduate advising. |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 470: Advanced Statistics for Geography and Planning (CS) | 3 | | • Visit the SGSUP Career Development page to schedule a meeting with your career advisor for resume review, mock interviewing, or advisement on job searching.<br>• Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available here. |
| GIS Upper Division Elective | 3 | C | |
| Upper Division Elective OR GIS 484: Internship | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS Upper Division Elective | 3 | C | • For more information on the Science and Society requirement, visitthis webpage. |
| Upper Division Science and Society Elective | 3 | C | |

| | | |
|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | |
| Upper Division Elective | 3 | |
| Elective | 4 | |
| Term hours subtotal: | 16 | |

- Students interested in entering the job market after graduation should be reviewing the SGSUP employee opportunities site.
- Use Handshake to search for employment opportunities.

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division GIS Applied Experience Course | 3 | C | • Use SGSUP Employment Opportunities site to find full-time or part-time employment opportunities.<br>• Don't forget to apply for graduation!<br>• Stay connected with the School of Geographical Sciences and Urban Planning by connecting on LinkedIn . |
| ★ GIS Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 5 | | |
| Term hours subtotal: | 14 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| GIS Applied Experience Courses | Related Area Courses |
|---|---|
| GIS 484: Internship | CEE OR CSE OR EEE OR EGR OR FSE OR GCU OR GIS OR GPH OR IEE OR PUP Elective |
| GIS 498: Pro-Seminar | |
| GIS 499: Individualized Instruction | |
| GPH 492: Honors Directed Study | |
| GPH 493: Honors Thesis (L) | |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120 **General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Geographic Information Science, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAGISBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • MAT 170 is the required math course for this major. If a student does not qualify for MAT 170 enrollment, they should enroll in MAT 117 to prepare for MAT 170.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Set up yourHandshake account, play me3@asu.edu, and select your career interest area. |
| Mathematics (MA) | 3 | C | |
| ASU 101-LA: The ASU Experience | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here. |
| MAT 170: Precalculus (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 205: Geographic Information Science I (CS) | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| GIS 222: Programming Principles in GIS I | 3 | C |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Term hours subtotal: | 6 | |

- Visit the SGSUP Career Development page to schedule a meeting with your career advisor for assistance with career planning and networking.

| Term 3 - B 31 - 38 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Network in your career interest area. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 211: Geographic Information Science II (CS) | 4 | C | • Students interested in finding an internship should start investigating internship opportunities and researching potential internship sites. Students can earn academic credit while completing an internship. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Create your professional online presence on LinkedIn. |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 270: Statistics for Geography and Planning | 3 | C | • For a full list of Science and Society courses, go here.<br>• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. |
| Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 64 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 311: Geographic Information Science III (CS) | 4 | C | • Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available here. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 64 - 70 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | • Visit the SGSUP Career Development page to schedule a meeting with your career advisor for resume review, mock interviewing, or advisement on job searching. |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 70 - 76 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIS 322: Programming Principles in GIS II | 3 | C | • Search available internships on the SGSUP Internship Opportunities site. |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 76 - 82 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIS 470: Advanced Statistics for Geography and Planning (CS) | 3 | C | • Students interested in entering the job market after graduation should be reviewing the SGSUP employment opportunities site. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 82 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • Use Handshake to search for employment opportunities. |
| *Complete 2 courses:* Elective | 5 | | |
| Term hours subtotal: | 8 | | |

| Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIS Upper Division Elective | 3 | C | • Complete an in person or virtual practice interview. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIS Upper Division Elective | 3 | C | • Make sure to review SGSUP's Career Development Resources. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | • For more information about the Science and Society requirement, visit this webpage. |
| Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

- Students planning to enter the job market should apply for full-time career opportunities.

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division GIS Applied Experience Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Don't forget to apply for graduation!
- Stay connected with the School of Geographical Sciences and Urban Planning by connecting on LinkedIn.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| GIS Applied Experience Courses | Related Area Courses |
|---|---|
| GIS 484: Internship | CEE OR CSE OR EEE OR EGR OR FSE OR GCU OR GIS OR GPH OR IEE OR PUP Elective |
| GIS 498: Pro-Seminar | |
| GIS 499: Individualized Instruction | |
| GPH 492: Honors Directed Study | |
| GPH 493: Honors Thesis (L) | |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

**Total College Residency Hrs:** 12 minimum

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Geography, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAGCUBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Set up your Handshake account, play me3@ASU and select your career interest area. |
| GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here.<br>• Research study abroad opportunities and global virtual internships.study abroad opportunities and global virtual internships. |
| GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | • Visit the SGSUP Career Development page and Career and Professional Development Services to meet with career advisors for assistance with career planning and networking. |
| Related Area Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) or GCU 241: The Global Economy in Transition (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 4 | C | • Students interested in finding an internship should start investigating internship opportunities and researching potential internship sites. Students can earn academic credit while completing an internship.<br>• Create your professional online presence on LinkedIn. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU OR GIS OR GPH Upper Division Elective | 3 | C | • Attend SGSUP Career Navigator event.<br>• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available here.<br>• Students interested in pursuing an accelerated master's degree in geography or urban and environmental planning should initiate contact with graduate advising. |
| Related Area Course | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU Upper Division Elective OR GCU 484: Internship | 3 | C | • Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating |
| Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:* | | | |

| | | |
|---|---|---|
| Elective | 6 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available here.

- Visit the SGSUP Career Development page to schedule a meeting with your career advisor for resume review, mock interviewing, or advisement on job searching.

| Term 7 91 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU OR GIS OR GPH Upper Division Elective | 3 | C | • Students interested in entering the job market after graduation should be reviewing the SGSUP employment opportunities site.<br>• Use Handshake to search for employment opportunities. |
| GCU Upper Division Elective OR GCU 484: Internship | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 2 | | |
| Term hours subtotal: | 14 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU 496: Geographic Research Methods (L) | 3 | C | • Use SGSUP Employment Opportunities site to find full-time or part-time employment opportunities.<br>• Don't forget to apply for graduation!<br>• Stay connected with the School of Geographical Sciences and Urban Planning by connecting on Linkedin. |
| GCU OR GIS OR GPH Upper Division Elective | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| ASB OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Geography, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAGCUBA

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Set up your Handshake account, play me3@asu and select your career interest area. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | • Selection of general studies courses will be determined by elective courses taken that can also be used toward the major.<br>• View ASU Online first-year student registration information here. |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | • Join a student club or professional organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 - A 25 - 31 Credit Hours | Hours | Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Visit the SGSUP Career Development page to schedule a meeting with your career advisor for assistance with career planning and networking. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 31 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 37 - 44 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Students interested in finding an internship should start investigating internship opportunities and researching potential internship sites. Students can earn academic credit while completing an internship. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 44 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 4 | C | • Create your professional online presence onLinkedIn. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 51 - 58 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 58 - 65 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, |
| Elective | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 7 | |

including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available here.

| Term 6 - A 65 - 72 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU Upper Division Elective | 3 | C | • Visit the SGSUP Career Development page to schedule a meeting with your career advisor for resume review, mock interviewing, or advisement on job searching. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Search available internships on the SGSUP Internship Opportunities site. |
| Elective | 2 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU Upper Division Elective | 3 | C | • Students interested in entering the job market after graduation should be reviewing the SGSUP employment opportunities site. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | • Use Handshake to search for employment opportunities. |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | • Network in your career interest area. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU OR GIS OR GPH Upper Division Elective | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU OR GIS OR GPH Upper Division Elective | 3 | C | |

| | | |
|---|---|---|
| Upper Division Elective | 3 | |
| Term hours subtotal: | 6 | |

| Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU OR GIS OR GPH Upper Division Elective | 3 | C | • Make sure to review SGSUP's Career Development Resources. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU 496: Geographic Research Methods (L) | 3 | C | • Don't forget toapply for graduation!<br>• Stay connected with ASU School of Geographical Sciences and Urban Planning by connecting on LinkedIn. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

Related Area Courses

ASB OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Geography, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAGCUBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest area and play me3@ASU.<br>• Set up your Handshake account. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | • Join a student club or professional organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here.<br>• Research study abroad opportunities and global virtual internships. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 4 | C | • For a full list of Science and Society courses, go here.<br>• Visit the SGSUP Career Development page to schedule a meeting with |
| Science and Society Elective | 3 | C | |

| | | |
|---|---|---|
| *Complete 3 courses:*<br>Elective | 9 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

your career advisor for assistance with career planning and networking.

| **Term 4 46 - 61 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| GIS 270: Statistics for Geography and Planning | 3 | C |
| Related Area Course | 3 | C |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | |
| Social-Behavioral Sciences (SB) | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 15 | |

- Students interested in finding an internship should start investigating internship opportunities and researching potential internship sites. Students can earn academic credit while completing an internship.
- Create your professional online presence on LinkedIn.

| **Term 5 61 - 76 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| GCU OR GIS OR GPH Upper Division Elective | 3 | C |
| Upper Division Science and Society Elective | 3 | C |
| Related Area Course | 3 | C |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| Term hours subtotal: | 15 | |

- For more information on the Science and Society requirement, go here.
- Students interested in pursuing an accelerated master's degree in geography or urban and environmental planning should initiate contact with graduate advising.
- Attend SGSUP Career Navigator event.

| **Term 6 76 - 91 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| GIS Upper Division Elective | 3 | C |
| Related Area Course | 3 | C |
| GPH Upper Division Elective OR GPH 484: Internship | 3 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Upper Division Elective | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

- Visit the SGSUP Career Development page to schedule a meeting with your career advisor for resume review, mock interviewing, or advisement on job searching.
- Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available here.

| **Term 7 91 - 106 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| GPH Upper Division Elective OR GPH 484: Internship | 3 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |

- Students interested in entering the job market after graduation should be reviewing the SGSUP employment opportunitiesSite.

| | | |
|---|---|---|
| *Complete 3 courses:*<br>Upper Division Elective | 9 | • Use Handshake to researchemployment opportunities. |
| Term hours subtotal: | 15 | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU 496: Geographic Research Methods (L) | 3 | C | • Use SGSUP Employment Opportunities site to find full-time or part-time employment opportunities.<br>• Don't forget to apply for graduation!<br>• Stay connected with the School of Geographical Sciences and Urban Planning by connecting on LinkedIn. |
| GCU OR GIS OR GPH Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 14 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Area Course |
|---|
| ASM OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Geography, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAGCUBS

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students<br>• Set up your Handshake account, play me3@asu and select your career interest area. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | • Join a student club or professional organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 4 | C | • Visit the SGSUP Career Development page to schedule a meeting with your career advisor for assistance with career planning and networking. |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | • For a full list of Science and Society courses, go here. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Students interested in finding an internship should start investigating internship opportunities and researching potential internship sites. Students can earn academic credit while completing an internship. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 270: Statistics for Geography and Planning | 3 | C | • Create your online professional presence onLinkedIn. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU OR GIS OR GPH Upper Division Elective | 3 | C | • Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Students interested in continuing to graduate study following the completion of the bachelors program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is availablehere. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GPH Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Visit the SGSUP Career Development page to schedule a meeting with your career advisor for resume review, mock interviewing, or advisement on job searching.

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS Upper Division Elective | 3 | C | • Search available internships on the SGSUP Internship Opportunities site. |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GPH Upper Division Elective | 3 | C | • Students interested in entering the job market after graduation should be reviewing the SGSUP employment opportunities site. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | • Use Handshake to search for employment opportunities. |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GCU OR GIS OR GPH Upper Division Elective | 3 | C | • For more information about the Science and Society requirement, go here. |
| Upper Division Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | • Network in your career interest area. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | • Make sure to review SGSUP's Career Development Resources. |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| GCU 496: Geographic Research Methods (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Don't forget to apply for graduation!
- Stay connected with the School of Geographical Sciences and Urban Planning by connecting on Linkedin.

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 3 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| ASM OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Geography (Meteorology-Climatology), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAGCUMBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. GPH 191 is also recommended.<br>• Set up your Handshake account, play me3 and select your career area of interest.<br>• Contact an academic advisor to add the Atmospheric Sciences certificate in order to obtain National Weather Service certification.<br>• MAT 270 is the first required math course for this major. If a student does not qualify for MAT 270 enrollment, they should enroll in the prerequisite MAT 170 in Term 1. Please contact an advisor if you have questions. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C | • GPH 213 is recommended for the Science and Society requirement. For a full list of Science and Society courses, gohere.<br>• Join a student club or professional organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here.<br>• Research study abroad opportunities and global virtual internships. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Science and Society Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| GCU 102: Introduction to Human Geography (SB & G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) | 3 | C |
| GPH 212: Introduction to Meteorology (SQ) | 3 | C |
| GPH 214: Introduction to Meteorology Laboratory (SQ) | 1 | C |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

- GPH 212 and GPH 214 are offered every Fall semester. If your Term 3 is in a Spring semester, make sure to take GPH 212/214 in Term 2 or Term 4.
- Students should meet with their academic advisor to discuss the requirements to obtain National Weather Service certification.

| **Term 4** 45 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade |
|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C |
| GIS 270: Statistics for Geography and Planning | 3 | C |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | |
| Term hours subtotal: | 14 | |

- Visit the SGSUP Career Development page and Career and Professional Development Services to meet with career advisors for assistance with career planning and networking.
- Create your professional online presence on LinkedIn.

| **Term 5** 59 - 73 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| GPH 409: Synoptic Meteorology I | 4 | C |
| Upper Division Science and Society Elective | 3 | C |
| GIS Upper Division Elective | 3 | C |
| Elective | 4 | |
| Term hours subtotal: | 14 | |

- GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)
- Students interested in completing an internship should start investigating internship opportunities. Information on internships is available here.
- Students interested in conducting supervised research should initiate contact with faculty members who perform research in their content area of interest. More information is available here.
- For more information on the Science and Society requirement, go here.
- Students interested in pursuing an accelerated master's degree in geography or urban and environmental planning should contact graduate advising.

| **Term 6** 73 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| GPH 410: Synoptic Meteorology II | 4 | C |
| GPH 412: Physical Meteorology | 3 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | |

- GPH 410 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course).

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 16 | |

- GPH 412 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course).
- Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available here.

| **Term 7 89 - 104 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GPH 474: Dynamic Meteorology I | 3 | C | |
| Upper Division Elective OR GCU 484: Internship OR GIS 484: Internship OR GPH 484: Internship | 3 | | |
| *Complete 3 courses:* Elective | 9 | | |
| Term hours subtotal: | 15 | | |

- GPH 474 is offered once every two years--during the Fall semester of even-numbered years (so it may be a Term 5 course).
- Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available here and here.
- Students should verify with their academic advisor that they will meet all requirements necessary to obtain National Weather Service certification after graduation.

| **Term 8 104 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ GCU 496: Geographic Research Methods (L) | 3 | C | |
| ★ GPH 475: Dynamic Meteorology II | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 7 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

- GPH 475 is offered once every two years--during the Spring semester of odd-numbered years (so it may be a Term 6 course).
- Don't forget to apply for graduation!
- Stay connected with ASU School of Geographical Sciences and Urban Planning by connecting on LinkedIn.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## German, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAGERBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | | • ASU 101 or college-specific equivalent First-Year Seminar required for all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level language courses. Students with previous experience in the language are required to take a language placement test.<br>• In term 1, students may opt to take GER 110, a six credit German intensive language course equivalent to GER 101 and GER 102.<br>• Engage in German at ASU. Practice your language skills at the SILC Cafe. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| GER 101: Elementary German I (G) | 4 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Start planning your study abroad experience.<br>• Attend an ASU study abroad Financing Your Global Education Program Workshop.<br>• In term 2, students may opt to take GER 210, a six credit German intensive language course, equivalent to GER 201 and GER 202. |
| GER 102: Elementary German II (G) | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GER 201: Intermediate German I (G) | 4 | C | • Explore your career interest areas.<br>• Learn about research opportunities through the ASU Humanities Lab. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 3 courses:*<br>Elective | 9 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GER 202: Intermediate German II (G) | 4 | C | • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.<br>• Learn about national scholarships, fellowships, and research opportunities. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GER 312: Explore German Culture (G) | 3 | C | • Enroll in listed courses or in an ASU study abroad, School of International Letters and Cultures endorsed semester or academic year exchange program abroad in Germany at University of Heidelberg or University of Regensburg or University of Tuebingen.<br>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.<br>• Learn about internships, scholarships and awards for language majors. |
| GER 310: Making Sense of German Grammar (G) OR GER 311: Express Yourself in German (G) OR GER 313: Create in German: Writing, Speaking, Performing (G) OR GER 319: Work with German (G) | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GER 310: Making Sense of German Grammar (G) OR GER 311: Express Yourself in German (G) OR GER 313: Create in German: Writing, Speaking, Performing (G) OR GER 319: Work with German (G) | 3 | C | • Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.<br>• Use Handshake to research employment opportunities. |
| *Complete 2 courses:*<br>Upper Division German Elective | 6 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR GER 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division German Elective | 6 | C | • Learn about ways to build your skills. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| GER 420: Discover - Discuss - Design: German Language and Culture (L or HU) | 3 | C | • Attend an ASU Career Services workshop or Job Fair. |
| Upper Division German Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Upper Division German Elective |
|---|
| GER 310: Making Sense of German Grammar (G) |
| GER 311: Express Yourself in German (G) |
| GER 313: Create in German: Writing, Speaking, Performing (G) |
| GER 319: Work with German (G) |
| GER 394: Special Topics |
| GER 431: German Humor |
| GER 441: Fairy Tales (HU & G) |
| GER 445: Holocaust, War and German Memory (HU) |
| GER 446: Weimar-Era German Film |
| GER 447: German Modernism |
| GER 455: Berlin: Migration, Arts and Activism (G) |
| GER 492: Honors Directed Study |
| GER 493: Honors Thesis (L) |
| GER 494: Special Topics |
| GER 499: Individualized Instruction |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Global Health, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASSHBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 100: Introduction to Global Health (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ASB 191 satisfies this requirement.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@ASU.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR Global Health Elective in Related Areas | 3-4 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16-17 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 394: Statistics for Social Scientists OR ASM 201: Epidemics and Outbreaks OR ASM 463: A Practical Guide to Bayesian Data Analysis OR HCD 300: Biostatistics (CS) OR PBH 300: Biostatistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | • Secure a part-time job or volunteer experience.<br>• Develop your skills. |

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Second language requirement must be completed by term 4.<br>• All global health majors are required to go on a study abroad program either the summer after term 4, or the summer after term 6. The six hours in term Summer 4 reflect the six hours that must be completed abroad through the School of Human Evolution and Social Change. Please see academic advisor for study abroad program options.<br>• Explore an internship. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 16 | | |

| Summer 4 60 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) | 6 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 66 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Global Health Core Course | 3 | C | • Develop your professional online presence. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 81 - 96 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Global Health Core Course | 3 | C | • Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Global Health Elective in Related Areas | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 96 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Global Health Core Course | 3 | C | • Study abroad requirement must be completed by term 7. |
| *Complete 3 courses:* | | | |

| | | |
|---|---|---|
| Upper Division Elective | 9 | |
| Term hours subtotal: | 12 | |

- Gather professional references.
- Apply for full-time career opportunities.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Global Health Practicum | 3 | C | |
| Global Health Elective in Related Areas | 3 | C | |
| Upper Division Elective OR ASB 484: Internship | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Global Health Core |
|---|
| AFR 383: Blacks in Science, Medicine and Public Health |
| ASB 300: Food and Culture ((L or SB) & C) |
| ASB 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H) |
| ASB 305: Poverty and Global Health ((L or SB) & G) |
| ASB 316: Money and Culture (L or SB) |
| ASB 327: Disaster! ((L or SB) & C) |
| ASB 355: Traditional Medicine and Healing (HU or SB) |
| ASB 357: Society, Drugs and Health (SB & G) |
| ASB 370: Ethics of Eating (L or SB) or SOS 370: Ethics of Eating (L or SB) |
| ASB 376: Global Health Policy |
| ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) or TCL 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) |
| ASB 457: Global Mental Health ((L or SB) & G) |
| ASB 462: Medical Anthropology: Culture and Health (SB & C) |
| ASM 345: Disease and Human Evolution |
| ASM 401: Health and Human Biology |
| ASM 403: Evolutionary Medicine and Global Health |

| Global Health Elective in Related Areas |
|---|
| ABS 394: Food and Human Health |
| ABS 394: Medicine and Culture |
| ASB 102: Introduction to Cultural Anthropology (SB & G) |
| ASB 202: Immigration and Ethnic Relations in the U.S. (SB & C) |
| ASB 210: Human Sexuality: Anthropological Perspectives (SB & G) |
| ASB 211: Women in Other Cultures ((HU or SB) & G) |
| ASB 220: The Expressive Culture of Latin America and the Caribbean: A Transborder Perspective ((L or HU or SB) & C) |
| ASB 250: Introduction to Evolution and Medicine (SB & G) |
| ASB 272: Economic Justice (SB) |
| ASB 275: Culture, Language and Learning (SB & C) |
| ASB 294: Building Babies |
| ASB 294: Identity, Culture and Conflict |
| ASB 322: Peoples of Latin America ((L or SB) & G) |
| ASB 325: Peoples of Southeast Asia (G) |
| ASB 343: Latinas/os and the Environment |
| ASB 345: Culture and Society Transformation (SB & G) |
| ASB 348: The Borders of Language (L) |

| Global Health Elective in Related Areas continued |
|---|
| BIO 394: Healing Traditions of Latino-America |
| BIO 494: Obesity:Physiology to pathophysiology to treatment |
| BIO 494: Solutions in Vaccine Design for Global Health |
| ENG 203: Introduction to Health Humanities (HU) |
| ENG 394: Interdisciplinary Health Humanities |
| HCD 201: Economics for Health Majors |
| HCR 230: Culture and Health (C & G) |
| HSC 210: Cultural Aspects of Health (C) |
| HSC 310: Health Communication |
| HST 312: History of Women in Science and Medicine (HU or SB) |
| IDS 355: Peace Corps Seminar (G) |
| JUS 350: Immigration and Justice (SB & C) |
| JUS 352: The Global Politics of Human Rights (SB & G) |
| JUS 370: Cultural Diversity and Justice ((L or HU) & C) |
| JUS 374: The Holocaust, Genocide, and Human Rights |
| JUS 394: Health Disparities & Inequalities |
| JUS 394: Human Rights |
| MIC 498: HIV/AIDS Prevention Education in Africa |

ASM 456: Infectious Disease and Human Evolution

HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H)

HST 304: Black Death:Pandemic Disease in the Medieval World

MIC 314: HIV/AIDS: Science, Behavior, and Society

SGS 340: Violence, Conflict and Human Rights

SGS 350: Economic Development and Globalization

SOC 424: Women and Health (SB)

SOC 427: Sociology of Health and Illness (SB)

SOC 448: Epidemics and Society (SB & G)

TCL 323: Latina/o Health Issues (SB & C)

TCL 326: Health of Chicanas and Latinas (SB & C)

TCL 327: Health and Migration (SB)

TCL 410: Race, Medicine, and the Body (L) or SOC 410: Race, Medicine, and the Body (L)

TCL 447: Gender, Culture, and Development ((L or SB) & G) or SGS 454: Gender, Culture, and Development ((L or SB) & G) or SOS 447: Gender, Culture, and Development ((L or SB) & G) or WST 447: Gender, Culture, and Development ((L or SB) & G)

WST 360: Women as Healers (SB & G)

WST 365: Women and International Health (G)

WST 380: Race, Gender, and Class (SB & C) or AMS 380: Race, Gender, and Class (SB & C) or ETH 380: Race, Gender, and Class (SB & C)

WST 440: Politics of Women's Health (SB & C)

WST 444: Gender, Health, and Bodies (SB)

Global Health Practicum

ASB 373: Applying Anthropology (L or SB)

ASB 395: Topics in Comparative Culture (SB & G)

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)

ASB 362: People and Plants

ASB 363: From Cells to Society: Understanding Complexity or BIO 363: From Cells to Society: Understanding Complexity or SOS 363: From Cells to Society: Understanding Complexity

ASB 371: Language Hegemony and Culture

ASB 375: Humans and the Environment: What's the Connection? ((L or SB) & G)

ASB 380: Language, Culture and Gender (SB)

ASB 408: Advanced Evolutionary Medicine

ASB 448: Maternal and Child Health

ASB 463: Political Ecology of the Border (SB & G)

ASB 466: Peoples and Cultures of Africa (SB & G)

ASB 494: Applied Epidemiology

ASB 494: Ethnography of Schooling in the Borderlands

ASB 494: Facing Immigration

ASB 494: Reproductive Ecology

ASM 104: Bones, Stones, and Human Evolution (SB or SG)

ASM 201: Epidemics and Outbreaks

ASM 246: Human Origins (SB)

ASM 275: Forensic Anthropology (SB or SG)

ASM 342: Evolution of Human Behavior

ASM 403: Evolutionary Medicine and Global Health

ASM 494: Evolution and Mental Disorders

NTR 353: The Western Diet

POS 300: Contemporary Global Controversies (SB & G)

POS 367: World Politics and Global Inequalities (G)

POS 368: Ethics and Human Rights

POS 480: Global Justice (G)

PSY 394: Child Development & Global Health

SGS 303: Global Trends (SB & G)

SGS 304: Foundations of Cross-Cultural Awareness

SGS 341: Humanitarian Crisis and International Intervention

SGS 360: Cultural Aspects of Globalization

SGS 394: Global Problems and Debates

SGS 394: Peace/Conflict/Human Rights

SGS 394: Politics of Global Justice

SOC 352: Social Change (SB & G & H)

SOC 418: Aging and the Life Course (SB & H)

SOC 426: Social Inequalities (SB)

SOC 448: Epidemics and Society (SB & G)

WST 394: Fast Food Nation

WST 460: Women and the Body (SB & C)

WST 471: Women's International Human Rights

ASB 452: Community Partnerships for Global Health (SB) or SSH 402: Community Partnerships for Global Health (SB)

ASB 455: Practicum for Social Sciences (SB)

ASB 484: Internship

ASB 494: Access, Equity and Inclusion in Higher Education

ASB 494: Research Practicum II

ASB 499: Individualized Instruction

ASM 414: Urban, Environmental and Health Challenges (SB)

POS 464: Border Cities: Action Research on Globalization (SB & G)

TCL 321: Transborder Community Development and Health or SOC 320: Transborder Community Development and Health

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Global Health, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LASSHBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 100: Introduction to Global Health (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest area and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR Global Health Elective in Related Areas | 3-4 | C | • Create a first draft resume.<br>• View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6-7 | | |

| Term 2 - A 13 - 19 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • ASU Language Placement: Only those students with no experience with the language may take a 101-level course. All other students are required to take a language placement exam, regardless of prior credit earned.<br>• Students who choose to complete ASM 104 in term 2-A only need two elective credit hours in term 5-B. |
| Elective | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • Join a student club or professional organization. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 7 |

| Term 3 - A 26 - 33 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Develop your skills. |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 33 - 40 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 40 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 394: Statistics for Social Scientists OR ASM 201: Epidemics and Outbreaks OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | • Explore an internship. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 46 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 53 - 59 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) | 6 | C | • All global health online majors are strongly encouraged to go on a summer study abroad program to fulfill major requirements. The six hours in term Term 5-A reflect the six hours that must be completed abroad, or with two additional Global Health core courses through the School of Human Evolution and Social Change. Please contact your academic advisor for travel dates and options, or to inquire about petitioning for a substitution.<br>• For more information about planning and paying for your study abroad program, please go here. |
| Term hours subtotal: | 6 | | |

| Term 5 - B 59 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3-2 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 7-6 | |

- Students who choose to complete ASM 104 in term 2-A need only complete two elective hours in term 5-B.
- Develop your professional online presence.

| Term 6 - A 66 - 72 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Global Health Core Course | 3 | C | • Complete an in person or virtual practice interview. |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Global Health Core Course | 3 | C | • Research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Global Health Core Course | 3 | C | • Secure a part-time job or volunteer experience. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Global Health Practicum | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Global Health Elective in Related Areas | 3 | C | • Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | • Apply for full-time career opportunities. |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Global Health Elective in Related Areas | 3 | C | • Study abroad requirement should be completed by Term 10-A. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

| Global Health Core | Global Health Elective in Related Areas | Global Health Practicum |
|---|---|---|
| ASB 300: Food and Culture ((L or SB) & C) | ASB 102: Introduction to Cultural Anthropology (SB & G) | ASB 373: Applying Anthropology (L or SB) |
| ASB 301: Global History of Health (SB & G & H) | ASB 210: Human Sexuality: Anthropological Perspectives (SB & G) | ASB 395: Topics in Comparative Culture (SB & G) |
| ASB 305: Poverty and Global Health ((L or SB) & G) | ASB 250: Introduction to Evolution and Medicine (SB & G) | ASB 455: Practicum for Social Sciences (SB) |
| ASB 316: Money and Culture (L or SB) | ASB 294: Building Babies | ASB 484: Internship |
| ASB 327: Disaster! ((L or SB) & C) | ASB 294: Identity, Culture and Conflict | ASM 414: Urban, Environmental and Health Challenges (SB) |
| ASB 355: Traditional Medicine and Healing (HU or SB) | ASB 322: Peoples of Latin America ((L or SB) & G) | |
| ASB 357: Society, Drugs and Health (SB & G) | ASB 345: Culture and Society Transformation (SB & G) | |
| ASB 370: Ethics of Eating (L or SB) | ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) | |
| ASB 378: Globalization: Migration, Mass Media, McDonald's ((L or SB) & C) | ASB 362: People and Plants | |
| ASB 457: Global Mental Health ((L or SB) & G) | ASB 363: From Cells to Society: Understanding Complexity or BIO 363: From Cells to Society: Understanding Complexity or SOS 363: From Cells to Society: Understanding Complexity | |
| ASB 462: Medical Anthropology: Culture and Health (SB & C) | ASB 380: Language, Culture and Gender (SB) | |
| ASM 345: Disease and Human Evolution | ASB 408: Advanced Evolutionary Medicine | |
| ASM 401: Health and Human Biology | ASB 466: Peoples and Cultures of Africa (SB & G) | |
| ASM 403: Evolutionary Medicine and Global Health | ASM 104: Bones, Stones, and Human Evolution (SB or SG) | |
| HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H) | ASM 201: Epidemics and Outbreaks | |
| SGS 340: Violence, Conflict and Human Rights | ASM 246: Human Origins (SB) | |
| SGS 350: Economic Development and Globalization | ASM 275: Forensic Anthropology (SB or SG) | |
| SOC 424: Women and Health (SB) | HCR 230: Culture and Health (C & G) | |
| SOC 427: Sociology of Health and Illness (SB) | | |

| | |
|---|---|
| TCL 323: Latina/o Health Issues (SB & C) | HSC 210: Cultural Aspects of Health (C) |
| TCL 327: Health and Migration (SB) | HSC 310: Health Communication |
| WST 365: Women and International Health (G) | JUS 350: Immigration and Justice (SB & C) |
| WST 380: Race, Gender, and Class (SB & C) | JUS 374: The Holocaust, Genocide, and Human Rights |
| | NTR 353: The Western Diet |
| | POS 300: Contemporary Global Controversies (SB & G) |
| | POS 368: Ethics and Human Rights |
| | SGS 303: Global Trends (SB & G) |
| | SGS 304: Foundations of Cross-Cultural Awareness |
| | SGS 394: Global Problems and Debates |
| | SOC 352: Social Change (SB & G & H) |
| | SOC 418: Aging and the Life Course (SB & H) |
| | WST 394: Fast Food Nation |
| | WST 460: Women and the Body (SB & C) |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Global Health, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASSHBS

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 100: Introduction to Global Health (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students who do not test into MAT 251 must take the math course they do place into in Term 1 as their elective. Do not take MAT 142, as it is not a prerequisite to MAT 251.<br>• Select your career interest area and play me3@ASU.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASM 104: Bones, Stones, and Human Evolution (SB or SG) | 4 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 29 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASB 230: Beginning Social Research (SB) OR ASB 250: Introduction to Evolution and Medicine (SB & G) OR ASM 294: Bones, Bodies, and Bioarchaeology OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 294: Research: Health Promotion for Families | 3 | C | • Secure a part-time job or volunteer experience.<br>• Develop your skills. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 394: Statistics for Social Scientists OR ASM 463: A Practical Guide to Bayesian Data Analysis (CS) OR ASM 465: Quantification and Analysis for Anthropologists (CS) OR HCD 300: Biostatistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | • All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society . At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.<br>• Explore an internship. |
| Science and Society Elective | 3 | C | |
| *Complete 3 courses:* Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Summer 4 60 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) | 6 | C | • All global health majors are required to go on a study abroad program either the summer after Term 4, or the summer after Term 6. The six hours in Term Summer 4 reflect the six hours that must be completed abroad through the School of Human Evolution and Social Change. Please see an academic advisor for study abroad program options.<br>• For more information about planning for, applying to, and paying for your study abroad program, please visit the Global Education Office website. |
| Term hours subtotal: | 6 | | |

| Term 5 66 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | • All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society . At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.<br>• Develop your professional online presence. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 81 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Health and Human Biology Course | 3 | C | • Research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| Upper Division Research Practicum Course | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 12 | |

| Term 7 93 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ASM 201: Epidemics and Outbreaks OR ASB 484: Student Outbreak Response Team OR HEP 444: Epidemiology | 3 | C | • Study abroad requirement must be completed by Term 7.<br>• Gather professional references. |
| ★ Upper Division Culture, Society, and Health Course | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Research Practicum Course | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| Health and Human Biology Course |
|---|
| ASB 408: Advanced Evolutionary Medicine or BIO 408: Advanced Evolutionary Medicine |
| ASB 448: Maternal and Child Health |
| ASM 341: Human Osteology |
| ASM 342: Evolution of Human Behavior |
| ASM 345: Disease and Human Evolution |
| ASM 394: Ecology and Evolution of Infectious Diseases or BIO 394: Ecology and Evolution of Infectious Diseases |
| ASM 401: Health and Human Biology |
| ASM 403: Evolutionary Medicine and Global Health or BIO 403: Evolutionary Medicine and Global Health |
| ASM 450: Bioarchaeology (SB & G) |
| BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H) |
| MED 300: Historical and Contemporary Issues in Health (L) |
| PBH 410: Public Mental Health |

| Culture, Society, and Health Course |
|---|
| ASB 300: Food and Culture ((L or SB) & C) |
| ASB 301: Global History of Health (SB & G & H) |
| ASB 305: Poverty and Global Health ((L or SB) & G) |
| ASB 327: Disaster! ((L or SB) & C) |
| ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) |
| ASB 355: Traditional Medicine and Healing (HU or SB) |
| ASB 357: Society, Drugs and Health (SB & G) |
| ASB 370: Ethics of Eating (L or SB) |
| ASB 376: Global Health Policy |
| ASB 457: Global Mental Health ((L or SB) & G) |
| ASB 462: Medical Anthropology: Culture and Health (SB & C) |
| ASB 494: Ethnic Disparities and Health |
| ASB 494: Health: Social and Biocultural Theories |

| Research Practicum Course |
|---|
| ASB 452: Community Partnerships for Global Health (SB) |
| ASB 455: Practicum for Social Sciences (SB) |
| ASB 484: Internship |
| ASB 492: Honors Directed Study |
| ASB 493: Honors Thesis (L) |
| ASB 494: Monitoring, Evaluation, and Learning |
| ASB 494: Qualitative Data Analysis |
| ASB 494: Research Design for Global Health |
| ASM 414: Urban, Environmental and Health Challenges (SB) |
| BIO 390: Medical/Dental Field Placement |

- ASB 494: One Health
- HCD 303: Global Health Care Systems (G)
- HCI 344: Management and Leadership in Health Organizations
- HCR 494: Refugee Health Education
- MIC 314: HIV/AIDS: Science, Behavior, and Society
- PBH 422: Health Disparities and Access to Health
- PBH 435: Environmental and Occupational Health (L)
- POS 427: Social Welfare and Health Policy
- SOC 424: Women and Health (SB)
- SOC 427: Sociology of Health and Illness (SB)
- TCL 321: Transborder Community Development and Health
- TCL 323: Latina/o Health Issues (SB & C)
- TCL 326: Health of Chicanas and Latinas (SB & C)
- TCL 327: Health and Migration (SB)
- TCL 410: Race, Medicine, and the Body (L)
- WST 360: Women as Healers (SB & G)
- WST 365: Women and International Health (G)
- WST 440: Politics of Women's Health (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Global Health, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LASSHBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 100: Introduction to Global Health (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest area and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students who do not test into MAT 251 must take the math course they do place into in Term 1B as their elective. Do not take MAT 142, as it is not a prerequisite to MAT 251.<br>• Create a first draft resume.<br>• View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASM 104: Bones, Stones, and Human Evolution (SB or SG) | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 251: Calculus for Life Sciences (MA) | 3 | | • Join a student club or professional organization. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 26 - 33 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Develop your skills. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 102: Introduction to Cultural Anthropology (SB & G) OR ASB 230: Beginning Social Research (SB) OR ASB 250: Introduction to Evolution and Medicine (SB & G) OR ASM 294: Bones, Bodies, and Bioarchaeology OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASB 394: Statistics for Social Scientists OR ASM 463: A Practical Guide to Bayesian Data Analysis (CS) OR ASM 465: Quantification and Analysis for Anthropologists (CS) OR HCD 300: Biostatistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) | 3 | C | • Explore an internship. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | • All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society . At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G) | 6 | C | • All global health online majors are strongly encouraged to go on a summer study abroad program to fulfill major requirements. The six hours in Term 5-A reflect the six hours that must be completed abroad, or with two additional Global Health core courses through the School of Human Evolution and Social Change. Please contact your academic advisor for travel dates and options, or to inquire about petitioning for a substitution.<br>• For more information about planning for, applying to, and paying for your study abroad program, please visit the Global Education Office website. |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ★ Upper Division Science and Society Elective | 3 | C |
| Elective | 3 | |
| Term hours subtotal: | 6 | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society . At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Develop your professional online presence.

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | • Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Research Practicum Course | 3 | C | • Research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Health and Human Biology Course | 3 | C | • Secure a part-time job or volunteer experience. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Research Practicum Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ASM 201: Epidemics and Outbreaks OR ASB 484: Student Outbreak Response Team OR HEP 444: Epidemiology | 3 | C | • Gather professional references. |

| | | | |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | • Apply for full-time career opportunities. |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Culture, Society, and Health Course | 3 | C | • Study abroad requirement should be completed by Term 10-A. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 3 | | |
| Term hours subtotal: | 3 | | |

Hide Course List(s)/Track Group(s)

| Health and Human Biology Course |
|---|
| ASB 408: Advanced Evolutionary Medicine or BIO 408: Advanced Evolutionary Medicine |
| ASB 448: Maternal and Child Health |
| ASM 342: Evolution of Human Behavior |
| ASM 345: Disease and Human Evolution |
| ASM 401: Health and Human Biology |
| ASM 403: Evolutionary Medicine and Global Health or BIO 403: Evolutionary Medicine and Global Health |
| ASM 450: Bioarchaeology (SB & G) |
| BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H) |
| MED 300: Historical and Contemporary Issues in Health (L) |
| PBH 410: Public Mental Health |

| Culture, Society, and Health Course |
|---|
| ASB 300: Food and Culture ((L or SB) & C) |
| ASB 301: Global History of Health (SB & G & H) |
| ASB 305: Poverty and Global Health ((L or SB) & G) |
| ASB 327: Disaster! ((L or SB) & C) |
| ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) |
| ASB 355: Traditional Medicine and Healing (HU or SB) |
| ASB 357: Society, Drugs and Health (SB & G) |
| ASB 370: Ethics of Eating (L or SB) |
| ASB 376: Global Health Policy |
| ASB 457: Global Mental Health ((L or SB) & G) |
| ASB 462: Medical Anthropology: Culture and Health (SB & C) |
| ASB 494: Ethnic Disparities and Health |
| ASB 494: Health: Social and Biocultural Theories |
| ASB 494: One Health |

| Research Practicum Course |
|---|
| ASB 452: Community Partnerships for Global Health (SB) |
| ASB 455: Practicum for Social Sciences (SB) |
| ASB 484: Internship |
| ASB 494: Monitoring, Evaluation, and Learning |
| ASB 494: Qualitative Data Analysis |
| ASB 494: Research Design for Global Health |
| ASM 414: Urban, Environmental and Health Challenges (SB) |

HCD 303: Global Health Care Systems (G)

HCI 344: Management and Leadership in Health Organizations

PBH 422: Health Disparities and Access to Health

PBH 435: Environmental and Occupational Health (L)

SOC 427: Sociology of Health and Illness (SB)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Global Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASGSBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS 101: Thinking Globally (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required for all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• This major requires an international experience. Students must complete an approved study abroad experience or an approved international internship.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS 204: Professional Global Career Development | 3 | C | • Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.<br>• Meet with a study abroad professional and complete the Study Abroad 101 workshop.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Area Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS Elective | 3 | C | • Create a first draft resume.<br>• Develop your skills. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS Elective | 3 | C | • Explore an internship. |
| Related Area Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS 305: Empirical Political Inquiry (SB) | 3 | C | • The global studies major requires all students to complete an international experience. The experience must be approved by the School of Politics and Global Studies' internship coordinator before the experience is completed. Meet with our internship coordinator to develop a plan to fulfill this requirement.<br>• Thinking about graduate school? Consider registering for a grad school test prep course. |
| *Complete 2 courses:*<br>Related Area Course | 6 | C | |
| SGS Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS 401: Political Statistics (CS) | 3 | C | • Maximum of three hours of SGS 484 can apply toward SGS Electives.<br>• Complete an in person or virtual practice interview. |
| SGS Upper Division Elective | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS Upper Division Elective | 3 | C | • Gather professional references. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS 484: Internship OR SGS 484: Global Experience | 3 | C | |

| | | | |
|---|---|---|---|
| SGS Upper Division Elective | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- All Global Studies majors must complete six major elective courses. Nine hours of the major electives must be upper division. Students must earn a "C" or better in the courses.
- Maximum of three hours of SGS 484 can apply toward SGS Electives.
- Students must complete 12 credit hours in courses drawn from related areas. Courses from the subjects listed below may be used. Only upper-division foreign language courses offered by the School of International Letters and Cultures apply to the related area requirement. Students must earn a "C" or better in the related area courses.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| AFR OR ASB OR ASM OR BIO OR COM OR ECN OR GCU OR GPH OR HST OR JUS OR PAF OR POR OR POS OR PUP OR REL OR SOS OR SPA OR WST Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Global Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LASGSBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS 101: Thinking Globally (SB & G) | 3 | C | • ASU 101 or college-specific First-Year Seminar is required for all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• This major requires an international experience. Students must complete an approved study abroad experience or an approved international internship. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Activate your Handshake account and build out your profile. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS 204: Professional Global Career Development | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned.<br>• Join a student club or professional organization. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* French, Italian, German, Spanish and Vietnamese are available online. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • Create a first draft resume. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or | 4 | C | |

| | | |
|---|---|---|
| equivalent), including American Sign Language IV;<br>* French, Italian, German, Spanish and Vietnamese are available online. | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 7 | |

| Term 3 - A 27 - 34 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS Elective | 3 | C | • Develop your skills. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* French, Italian, German, Spanish and Vietnamese are available online. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* French, Italian, German, Spanish and Vietnamese are available online. | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS Elective | 3 | C | Explore an internship. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 47 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 53 - 59 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SGS 305: Empirical Political Inquiry (SB) | 3 | C | • The global studies major requires all students to complete an international experience. The experience must be approved by the School of Politics and Global Studies' internship coordinator before the experience is completed. Meet with our internship coordinator to develop a plan to fulfill this requirement. |
| SGS Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 59 - 65 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |

| | | |
|---|---|---|
| Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 6 | |

- Thinking about graduate school? Consider registering for a grad school test prep course .

| Term 6 - A 65 - 71 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SGS 401: Political Statistics (CS) | 3 | C | • Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement. |
| Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 71 - 77 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SGS Upper Division Elective | 3 | C | • Maximum of three hours of SGS 484 can apply toward SGS Electives.<br>• Complete an in person or virtual practice interview. |
| Related Area Course | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 77 - 83 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SGS Upper Division Elective | 3 | C | |
| Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 83 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SGS Upper Division Elective | 3 | C | • Gather professional references.<br>• Maximum of three hours of SGS 484 can apply toward SGS Electives. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SGS 484: Internship OR SGS 484: Global Experience | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Maximum of three hours of SGS 484 can apply toward SGS Electives.
- Students must complete 12 credit hours in courses drawn from related areas. Courses from the following subjects may be used. Only upper-division foreign language courses offered by the School of International Letters and Cultures apply to the related area requirement. Students must earn a "C" grade or better in the related area courses.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR OR ASB OR ASM OR BIO OR COM OR ECN OR GCU OR GPH OR HST OR JUS OR PAF OR POR OR POS OR PUP OR REL OR SOS OR SPA OR WST Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## History, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAHISBA

**Only the stand-alone BA or the accelerated History BA/MA combination are available to ASU Online students at this time.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST Survey Course AND Historical Awareness (H) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Related Area Course | 3 | C | |
| Elective | 3 | | |
| Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 130: The Historian's Craft | 3 | C | • Students who have completed 30 credit hours and ENG 102 may take HST 330 in place of HST 130.<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.<br>• Join a student club or professional organization.<br>• If interested in law school, review the Pre-Law at ASU website. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Many General Studies requirements can overlap with major requirements, leaving |

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Humanities, Arts and Design (HU) | 3 | |
| Literacy and Critical Inquiry (L) | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.25 GPA in HST. | | |
| Term hours subtotal: | 16 | |

more room for electives. In particular, many history courses satisfy HU and SB General Studies requirements. Consult an academic advisor to select the best courses for your personal plan of study.

- Explore opportunities to study abroad.

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade |
|---|---|---|
| HST Survey Course | 3 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Maintain 2.25 GPA in HST. | | |
| Term hours subtotal: | 14 | |

- Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if the G requirement has not already been satisfied through other coursework.
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, make an appointment with the pre-law advisor.

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| Upper Division Comparative History Course | 3 | C |
| HST 304: Studies in European History | 3 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | |
| Social-Behavioral Sciences (SB) | 3 | |
| Maintain 2.25 GPA in HST. | | |
| Term hours subtotal: | 16 | |

- The sequence of upper-division history courses shown here is a suggested one. Except where prerequisites dictate the order, consult an academic advisor to determine the best sequence of courses for your personal plan of study.
- HST 304 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.
- Choosing a Humanities (HU) course that also fulfills Cultural Diversity in the United States (C) is recommended.
- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab.
- If planning on law school, prepare to take the LSAT.

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade |
|---|---|---|
| Upper Division History in the Wild Course | 3 | C |
| HST 303: Studies in Asian History OR HST 305: Studies in Latin American History OR HST 307: Studies in African History | 3 | C |

- HST 303, 305, and 307 are variable topics courses. Some topics carry one or more General Studies designations. Check the

| | | | |
|---|---|---|---|
| | Upper Division Related Area Course | 3 | C |
| | Upper Division Elective OR HST 484: Internship | 3 | |
| | Elective | 3 | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| | Maintain 2.25 GPA in HST. | | |
| | Term hours subtotal: | 15 | |

class schedule to confirm any General Studies designations for the specific course topic.
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.
- Explore graduate school opportunities.

| Term 7 91 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HST 495: Methods of Historical Inquiry (L) | 3 | C | • Use Handshake to research employment opportunities.<br>• Attend career fairs, workshops and related events offered by Career and Professional Development Services. |
| Upper Division Related Area Course | 3 | C | |
| HST Upper Division Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HST 306: Studies in United States History | 3 | C | • HST 306 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.<br>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.<br>• Apply for career opportunities. |
| HST Upper Division Elective | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 2 | | |
| ★ Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 14 | | |

- 
  - HST 302-307 are variable topics courses. Students may take these courses for credit multiple times, so long as the topics are different. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.
  - All students are required to take one course from HST 304 and HST 306, plus one course chosen from HST 303, HST 305, or HST 307. Students may select any topic within these course numbers for this requirement. However, for the Comparative History and History in the Wild requirements, students must choose only from the specific topics shown in the Comparative History and History in the Wild lists below. Any topic under HST 302 will count as a Comparative History course. Students must complete 33 total credit hours in history (HST), so any variable topics courses taken for Comparative History and History in the Wild will be in addition to the standard requirement for HST 304, HST 306, and (HST 303, 305, or 307).
  - Students must complete 12 credits of courses in Related Areas, at least six of which must be upper division.

Hide Course List(s)/Track Group(s)

| HST Survey Courses | History in the Wild | Comparative History |
|---|---|---|
| HST 100: Global History to 1500 (HU & H & G) | HST 302: Envisioning Peace | HST 301: Global History of Health (SB & G & H) |

HST 101: Global History Since 1500 (HU & H & G)

HST 102: Europe and the Mediterranean: Ancient and Medieval (SB & H)

HST 103: Early Modern Europe: Renaissance to Enlightenment ((HU or SB) & H)

HST 104: Modern Europe: French Revolution to European Union ((HU or SB) & G & H)

HST 106: Asian Civilizations ((HU or SB) & G & H)

HST 108: Introduction to Japan (SB & G & H)

HST 109: United States to 1865 ((HU or SB) & H)

HST 110: United States Since 1865 (SB & H)

HST 111: Introduction to Asia (HU & H & G)

HST 230: Introduction to Jewish Civilization (HU & H & G)

HST 306: Historic Preservation in the U.S.

HST 306: Landscape, Place and Memory in American History

HST 306: Monuments and Memory

HST 306: U.S. Urban History

HST 414: Political History and Leadership

HST 485: History in the Wild

HST 302: Studies in History

HST 303: Empires in Asia

HST 303: WWII in Asia: Cultures of War

HST 304: Witchcraft and Christianity in the Atlantic World

HST 309: Exploration and Empire ((L or HU) & H)

HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H)

HST 336: Islamic Civilization (HU & H)

HST 339: Islam in the Modern World (HU & G)

HST 357: Historical Perspectives on Philosophy and Religion

HST 358: Jewish History from Antiquity to 1492 (SB & H)

HST 359: Jewish History from 1492 to 1948 (SB & G & H)

HST 404: Conquest and Encounters in Colonial Latin America (L & G)

HST 435: The Russian Empire (SB & H)

HST 454: History of Genocide (G & H)

HST 456: The Vietnam War (SB & G & H)

HST 460: World War II (HU & H & G)

Related Area courses

AFR OR AIS OR APA OR APH OR ARS OR ASB OR ASM OR ECN OR GCU OR HPS OR HUL OR JUS OR PHI OR POS OR REL OR SGS OR SOC OR TCL OR WST Elective

ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)

ARB 335: Arabic Culture and Islam (G)

ARB 336: Introduction to the Qur'an (G)

ARB 337: Hadith and Prophetic Tradition (HU & H & G)

ARB 341: Quran Text and Women (HU & H)

ARB 351: Classical Arabic Literature (HU & G)

ARB 352: Modern Arabic Literature in Translation (HU & G)

ARB 360: Islamic Philosophical Literature

Related Area courses continued

JPN 115: Japanese Popular Culture: Anime, Manga and Film (G)

JPN 333: Japanese Civilization from the Ice Age to Last Thursday

JPN 354: Zen and Japanese Culture or SLC 354: Zen and Japanese Culture

JPN 355: Religious Practice of People in Modern Japan (HU & G) or SLC 355: Religious Practice of People in Modern Japan (HU & G)

JPN 367: Religion, Philosophy and Culture in Japan or SLC 367: Religion, Philosophy and Culture in Japan

JPN 370: Japanese Aesthetics: Art and Beauty in Japan or SLC 370: Japanese Aesthetics: Art and Beauty in Japan

JPN 414: Introduction to Classical Japanese

JPN 415: Advanced Classical Japanese

Related Area courses continued

SLC 123: Gods and Monsters: Comparative Mythology (HU & G)

SLC 141: Russian Civilization: From Tsars to Putin ((L or HU) & G & H) or RUS 141: Russian Civilization: From Tsars to Putin ((L or HU) & G & H)

SLC 144: The Ancient Mediterranean

SLC 221: Survey of Ancient Greek Literature (HU)

SLC 340: Approaches to International Cinema (HU & G) or FMS 341: Approaches to International Cinema (HU & G)

SLC 344: Classics and Comics (HU) or GRK 344: Classics and Comics (HU) or LAT 344: Classics and Comics (HU)

SLC 425: Globalization: From Colonialism to Climate Change (HU & G)

ARB 427: Arabic Prose: Reading the Arabian Nights

ARB 428: Arab Women's Writing (HU & G) or SLC 428: Arab Women's Writing (HU & G)

BIO 316: History of Biology: Conflicts and Controversies (H)

BIO 318: History of Medicine (HU & H)

CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU & G)

CHI 345: Chinese Film and Civilization

CHI 348: Pathways into Chinese Culture

CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)

CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)

CHI 470: Modern Chinese Literature and Culture

ENG Elective (not from ENG 101-197)

FRE 305: Readings in French Literature (G)

FRE 321: French Cultural Masterpieces I ((L or HU) & H)

FRE 322: French Cultural Masterpieces II (L or HU)

FRE 414: French and Italian Popular Culture ((L or HU) & G) or ITA 414: French and Italian Popular Culture ((L or HU) & G) or SLC 414: French and Italian Popular Culture ((L or HU) & G)

FRE 415: French Civilization I (HU)

FRE 416: French Civilization II (HU & G)

FRE 453: Theater of the 19th Century (HU)

FRE 461: Modern Narrative (HU)

GER 315: Germanic Mythology (HU & G)

GER 416: German Civilization (HU & H & G)

GER 421: German Literature Survey, 800-1800 (HU)

JPN 445: Readings in Modern Japanese Letters and Culture

JST Elective (not from JST 131, 132, 231, or 232)

KOR 250: Korean Culture and Society (HU & G)

KOR 321: Modern Korean Literature (HU) or SLC 321: Modern Korean Literature (HU)

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

KOR 375: Intercultural Communication in Korea (SB & G) or SLC 375: Intercultural Communication in Korea (SB & G)

KOR 415: Korean Popular Culture (HU & G) or SLC 415: Korean Popular Culture (HU & G)

KOR 420: Emotions Across Languages, Cultures and History (HU & G) or SLC 420: Emotions Across Languages, Cultures and History (HU & G)

KOR 457: Premodern Korea in a Global Context (HU) or SLC 457: Premodern Korea in a Global Context (HU)

LAT 222: Survey of Roman Literature (HU) or SLC 222: Survey of Roman Literature (HU)

LAT 421: Roman Literature (HU & G)

MCO 418: History of Mass Communication (SB & H)

MUS 354: Popular Music

MUS 355: American Music (HU & C & H)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

MUS 371: World Music (HU & G)

MUS 410: History of Women in Music (HU & C & H)

POR 472: Luso-Brazilian Civilization (HU & G)

PSY 414: History of Psychology (L or SB)

PUP 412: History of the City ((L or HU) & H)

RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU)

SLC 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (L or HU)or RUS 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (L or HU)

SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) or ROM 442: Dracula and Vampire Lore ((L or HU) & G & H)

SLV 440: History of Slavic Languages (SB)

SPA 325: Introduction to Hispanic Literature (HU)

SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)

SPA 426: Literature and Society in Modern Spain (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)

SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 456: 20th-Century Spanish American Fiction

SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

SPA 472: Latin American Society: Five Case Studies (HU & H & G)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)

SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)

THE 320: History of the Theatre I (HU & H)

THE 321: History of the Theatre II (HU & H)

THE 322: Theatre History and Culture (HU & H)

THE 421: Shakespeare: Stage and Film (L or HU)

GER 422: German Literature Survey, 1800-Today (L or HU)

GER 431: German Humor

GER 441: Fairy Tales (HU & G) or SLC 441: Fairy Tales (HU & G)

GRK 142: Ancient Greek Civilization (HU & H) or SLC 142: Ancient Greek Civilization (HU & H)

GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU)

GRK 301: Ancient Greek Literature I (HU & G)

GRK 302: Ancient Greek Literature II (HU & G)

GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)

HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)

HEB 348: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)

HEB 375: Contemporary Culture of Israel (HU & G)

HON 171: The Human Event (L or HU)

HON 272: The Human Event ((L or HU) & H)

HON 370: History of Ideas (L or HU)

HON 378: Culture and Society in England, Ireland, and Scotland (HU & H & G)

HON 379: Romantics, Victorians, and Moderns (HU & G)

HON 380: Aesthetics and Society (HU)

ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H)

ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)

ITA 420: Italian Cinema (L & G)

RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G)

RUS 421: Pushkin (L or HU)

RUS 425: Chekhov and Russian Drama (L or HU)

RUS 430: Russian Short Story (L or HU)

THE 425: Chekhov and Russian Drama (L or HU)

THE 430: History of Fashion I (HU)

**Notes:**

- 
    - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major (HST) must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.25 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## History, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAHISBA

**Only the stand-alone BA or the accelerated History BA/MA combination are available to ASU Online students at this time.**

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Many General Studies requirements can overlap with major courses, leaving more room for electives. In particular, many history courses satisfy HU and SB General Studies requirements. Consult an academic advisor to select the best courses for your personal plan of study. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| | | Minimum | |
|---|---|---|---|

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| HST 130: The Historian's Craft | 3 | C | • Transfer students who have completed 30 credit hours and ENG 102 may take HST 330 in place of HST 130.<br>• If interested in law school, review the Pre-Law at ASU website. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 34 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Choosing a Humanities, Arts and Design (HU) course that also fulfills the Cultural Diversity in the U.S. (C) requirement is recommended if these requirements have not already been satisfied. |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Explore opportunities to study abroad. Online students are eligible and encouraged to participate! |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 47 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Explore the Career and Professional Development Services website and arrange a virtual advising session with a career counselor for assistance with career planning and networking.<br>• If interested in law school, make an appointment with the pre-law advisor. |
| Elective | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 53 - 59 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Comparative History Course | 3 | C | • The sequence of upper-division history courses shown here is a suggested one. Except where prerequisites dictate the order, students |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |

| | | |
|---|---|---|
| Maintain 2.25 GPA in HST. | | |
| Term hours subtotal: | 6 | |

should consult an academic advisor to determine the best sequence of courses for their personal plan of study.

| Term 5 - B 59 - 65 Credit Hours | Hours | Minimum Grade |
|---|---|---|
| HST 304: Studies in European History | 3 | C |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Maintain 2.25 GPA in HST. | | |
| Term hours subtotal: | 6 | |

- HST 304 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.
- Choosing a Social-Behavioral Sciences (SB) course that also fulfills the Global Awareness (G) requirement is recommended if these requirements have not already been satisfied.
- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies.

| Term 6 - A 65 - 72 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ HST 303: Studies in Asian History | 3 | C |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Maintain 2.25 GPA in HST. | | |
| Term hours subtotal: | 7 | |

- HST 303 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ HST 485: History in the Wild | 3 | C |
| Related Area Course | 3 | C |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Maintain 2.25 GPA in HST. | | |
| Term hours subtotal: | 6 | |

- Consider participating in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, contact an academic advisor.

| Term 7 - A 78 - 84 Credit Hours | Hours | Minimum Grade |
|---|---|---|
| HST Upper Division Elective | 3 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Maintain 2.25 GPA in HST. | | |
| Term hours subtotal: | 6 | |

- If planning on law school, prepare to take the LSAT.

| Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade |
|---|---|---|
| ★ HST 495: Methods of Historical Inquiry (L) | 3 | C |
| Elective | 3 | |
| Maintain 2.25 GPA in HST. | | |
| Term hours subtotal: | 6 | |

| Term 8 - A 90 - 96 Credit Hours | Hours | Minimum Grade |
|---|---|---|

| | | | |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | • Explore graduate school opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HST 306: Studies in United States History | 3 | C | • HST 306 is a variable topics course. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.<br>• View career webinars offered by Career and Professional Development Services. |
| Upper Division Elective | 3 | | |
| Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HST Upper Division Elective | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Related Area Course | 3 | C | |
| Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | • Take advantage of mock interview opportunities and assistance with writing resumes and cover letters. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | • Apply for career opportunities. |
| ★ Maintain 2.25 GPA in HST. | | | |
| Term hours subtotal: | 6 | | |

- • HST 302-306 are variable topics courses. Students may take these courses for credit multiple times, so long as the topics are different. Some topics carry one or more General Studies designations. Check the class schedule to confirm any General Studies designations for the specific course topic.
  • All students are required to take one course from HST 303, HST 304 and HST 306. Students may select any topic within these course numbers for this requirement. However, for the Comparative History requirement, students must choose only from the specific topics shown in the Comparative History list below. All topics under HST 302 fulfill the Comparative History requirement. Students must complete 33 total credit hours in history (HST), so any variable topics course taken for Comparative History will be in addition to the standard requirement for HST 303, HST 304 and HST 306.
  • Students must complete 12 credits of Related Area courses, at least six of which must be upper division.

Hide Course List(s)/Track Group(s)

| Comparative History | Related Area |
|---|---|

HST 301: Global History of Health (SB & G & H)

HST 302: Studies in History

HST 303: Empires in Asia

HST 304: Witchcraft and Christianity in the Atlantic World

HST 309: Exploration and Empire ((L or HU) & H)

HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H)

HST 339: Islam in the Modern World (HU & G)

HST 454: History of Genocide (G & H)

HST 456: The Vietnam War (SB & G & H)

HST 460: World War II (HU & H & G)

AFR OR APA OR ASB OR ASM OR ECN OR GCU OR HUL OR JUS OR PHI OR POS OR REL OR SGS OR SOC OR TCL OR WST Elective

ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)

ARB 335: Arabic Culture and Islam (G)

ARB 336: Introduction to the Qur'an (G)

BIO 316: History of Biology: Conflicts and Controversies (H)

BIO 318: History of Medicine (HU & H)

ENG Elective (not from ENG 101-197)

GER 441: Fairy Tales (HU & G) or SLC 441: Fairy Tales (HU & G)

GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU)

HON 370: History of Ideas (L or HU)

JPN 355: Religious Practice of People in Modern Japan (HU & G) or SLC 355: Religious Practice of People in Modern Japan (HU & G)

MCO 418: History of Mass Communication (SB & H)

MUS 354: Popular Music

MUS 355: American Music (HU & C & H)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

MUS 371: World Music (HU & G)

MUS 410: History of Women in Music (HU & C & H)

SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) or ROM 442: Dracula and Vampire Lore ((L or HU) & G & H)

SPA 325: Introduction to Hispanic Literature (HU)

SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)

SPA 426: Literature and Society in Modern Spain (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)

SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

SPA 472: Latin American Society: Five Case Studies (HU & H & G)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)

THE 322: Theatre History and Culture (HU & H)

THE 421: Shakespeare: Stage and Film (L or HU)

THE 430: History of Fashion I (HU)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major (HST) must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.25 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## History (Secondary Education), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAHISSEBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.<br>• Select your Career Interest Communities and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H) | 3 | C | • Students must complete HST 100, HST 101, HST 109 and HST 110 prior to Term 5. These courses may be taken in any order.<br>• Students who have completed 30 credit hours and ENG 102 may take HST 330 in place of HST 130.<br>• Join a student club or professional organization. |
| HST 130: The Historian's Craft | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 17 | | |

| Term 3 31 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H) | 3 | C |
| TEL 111: Exploration of Education (SB) | 3 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Minimum 2.25 GPA in HST. | | |
| Term hours subtotal: | 14 | |

- Apply for an Identity Verified Print (IVP) DPS fingerprint card, required by state law for participation in internships in 6-12th grade schools.
- Explore opportunities to study abroad. Summer is usually the best time for students in this major to study abroad.

| **Term 4 45 - 61 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H) | 3 | C | |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 16 | | |

- Meet with your advisor early in the semester to discuss enrollment in Teachers College (TEL) courses for Term 5. There may be specific steps you need to follow prior to enrolling in these courses, including verification that you have obtained an IVP fingerprint card.
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.

| **Term 5 61 - 77 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 355: Internship: Initial | 1 | C | |
| Upper Division Non-U.S. History Course | 3 | C | |
| Upper Division United States History Course | 3 | C | |
| Elective ( GCU 113 recommended) | 3 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 16 | | |

- While enrolled in TEL 355, you will be paired with a mentor teacher in a 6-12th grade classroom. You will need to complete 45 hours over the semester. Reliable transportation is needed to get to school sites.
- GCU 113 is recommended for the elective course if students have not yet satisfied the AZ Constitution requirement for teacher certification.
- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab.
- Explore graduate school opportunities.

| **Term 6 77 - 91 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | |
|---|---|---|
| HST 480: Methods of Teaching History: Classroom Resources | 3 | C |
| HST 495: Methods of Historical Inquiry (L) | 3 | C |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C |
| TEL 366: Internship: Intermediate | 1 | C |
| Elective | 4 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Minimum 2.25 GPA ASU Cumulative. | | |
| Minimum 2.25 GPA in HST. | | |
| Term hours subtotal: | 14 | |

- Students are encouraged to select free electives from courses in geography, political science, and economics, especially if preparing to teach middle grade (6-8) social studies. Barrett Honors students may use their research and thesis hours as electives.
- While enrolled in TEL 366, you will be paired with a mentor teacher in a 6-12th grade classroom. You will need to complete 45 hours over the semester. Reliable transportation is needed to get to school sites.
- Use Handshake to research employment opportunities.
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.

| **Term 7 91 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| HST 481: Methods of Teaching History: Community Resources | 3 | C | |
| TEL 332: Disciplinary Literacy Methods | 3 | C | |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C | |
| TEL 477: Internship: Advanced | 2 | C | |
| Upper Division Non-U.S. History Course | 3 | C | |
| Upper Division United States History Course | 3 | C | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 17 | | |

- All other degree requirements should be completed prior to student teaching residency. Only one course may be approved to take concurrently with student teaching residency in Term 8.
- Students must pass the NES Secondary Professional Knowledge Exam to obtain secondary education teacher certification in Arizona. Completing this exam prior to student teaching residency is highly recommended. See www.aepa.nesinc.com.
- While enrolled in TEL 477, you will be paired with a mentor teacher in a 6-12th grade classroom. You will need to complete 75 hours over the semester. Reliable transportation is needed to get to school sites.

| **Term 8 108 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| TEL 488: Student Teaching | 11 | C | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Minimum 2.25 GPA in HST. | | | |
| Term hours subtotal: | 12 | | |

- Student teaching requires a full-time commitment in a 6-12th grade classroom for the semester.
- Students must either have passed the Constitutions of the United States and Arizona AEPA exam or have completed coursework covering this requirement within one year of initial certification.
- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
- Apply for career opportunities.

- At least 12 upper-division hours in history (HST) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

| Upper Divison United States History |
| --- |
| HST 300: Experience of America's Modern Wars (H) |
| HST 306: Studies in United States History |
| HST 314: American Cultural History Since 1865 ((HU or SB) & H) |
| HST 315: Political History of the U. S. (SB & H) |
| HST 316: 20th-Century U.S. Foreign Relations (SB & H) |
| HST 317: History of Postwar U.S. Conservatism |
| HST 318: History of Engineering ((L or SB) & G) |
| HST 320: U.S. Urban History since 1850 (SB & H) |
| HST 321: Constitutional History/US to 1865 (SB & H) |
| HST 322: Constitutional History of the United States Since 1865 (H) |
| HST 323: Historical Studies in Race, Crime, and the Law |
| HST 325: Immigration and Ethnicity in the United States (SB & H & C) |
| HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) |
| HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) |
| HST 329: Women in 20th-Century U.S. West (H & C) |
| HST 331: Mexican American History to 1900 (SB & H & C) |
| HST 332: Mexican American History Since 1900 (SB & H & C) |
| HST 333: African American History to 1865 (SB & H & C) |
| HST 334: African American History Since 1865 ((HU or SB) & C & H) |
| HST 335: History of Black Women in America (SB & H) |
| HST 337: American Indian History to 1900 ((HU or SB) & C & H) |
| HST 338: American Indian History since 1900 ((HU or SB) & C & H) |

| Upper Division Non-U.S. History |
| --- |
| HST 302: Envisioning Peace |
| HST 302: Gender and Sexuality in Islam |
| HST 302: History of the Olympic Movement |
| HST 302: Jews, Christians & Muslims in Early Modern World |
| HST 302: Jews, Christians & Muslims in the Medieval World |
| HST 302: Slavery Systems in Africa |
| HST 303: Studies in Asian History |
| HST 304: Studies in European History |
| HST 305: Studies in Latin American History |
| HST 307: Studies in African History |
| HST 309: Exploration and Empire ((L or HU) & H) |
| HST 324: Food in Latin America (SB & G & H) |
| HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H) |
| HST 336: Islamic Civilization (HU & H) |
| HST 339: Islam in the Modern World (HU & G) |
| HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) |
| HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) |
| HST 348: Rome (SB & H) |
| HST 349: Early Middle Ages ((HU or SB) & H) |
| HST 350: Later Middle Ages ((HU or SB) & H) |
| HST 351: Renaissance Europe ((L or HU or SB) & H) |
| HST 352: Europe's Reformations ((L or HU or SB) & H) |
| HST 353: Old Regime in Europe (SB & H) |
| HST 354: Revolutionary Europe (SB & H) |
| HST 355: Total War and the Crisis of Modernity (SB & G & H) |
| HST 356: Europe since 1945 (SB & G & H) |

| Upper Division Non-U.S. History Continued |
| --- |
| HST 404: Conquest and Encounters in Colonial Latin America (L & G) |
| HST 423: The Tudor Monarchy (SB & H) |
| HST 424: The Stuart Monarchy (SB & H) |
| HST 426: The British Empire (H) |
| HST 427: French Revolution/Napoleonic Era (SB & H) |
| HST 429: Modern Germany (SB & G & H) |
| HST 430: The Ottoman Empire in the Classical Period |
| HST 432: Eastern Europe the Balkans, 20th Century (G & H) |
| HST 435: The Russian Empire (SB & H) |
| HST 436: Rise & Fall of Soviet Communism (SB & G & H) |
| HST 438: Modern Spain ((HU or SB) & G & H) |
| HST 439: Athenian Democracy (H) |
| HST 441: Latin America and the World Economy (L & G & H) |
| HST 443: The United States and Latin America (SB & G & H) |
| HST 444: Latin American Independence ((L or HU) & G) |
| HST 445: 20th-Century Cuba (SB & G & H) |
| HST 447: Modern Mexico (SB & H) |
| HST 448: Mexican/U.S. Border |
| HST 451: Chinese Cultural History I ((HU or SB) & H) |
| HST 452: Chinese Cultural History II (SB & G & H) |
| HST 454: History of Genocide (G & H) |
| HST 456: The Vietnam War (SB & G & H) |
| HST 459: Gandhi and the Politics of Nonviolence |
| HST 460: World War II (HU & H & G) |
| HST 465: Women in Europe, 1750 to Present ((HU or SB) & H) |

HST 340: American Military History (SB & H)

HST 341: U.S. West 19th Century (SB & H)

HST 342: U.S. West 20th Century (SB & H)

HST 343: American Southwest ((L or SB) & H)

HST 344: Arizona (SB & H)

HST 345: Environmental History (L)

HST 377: Sports in United States History ((HU or SB) & H)

HST 379: History of College Sports

HST 405: Colonial American History to 1763 (SB & H)

HST 406: American Revolution/1763-1789 (SB & H)

HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H)

HST 408: Civil War and Reconstruction ((L or SB) & H)

HST 409: Emergence Modern U.S. 1877-1918 (SB & H)

HST 412: Contemporary U.S., 1973- Present (SB & H)

HST 413: Contemporary America ((L or SB) & H)

HST 414: Political History and Leadership

HST 419: 20th Century Chicano/a History (C)

HST 443: The United States and Latin America (SB & G & H)

HST 448: Mexican/U.S. Border

HST 449: Mexican Immigration to the U.S. ((L or SB) & H & C)

HST 456: The Vietnam War (SB & G & H)

HST 358: Jewish History from Antiquity to 1492 (SB & H)

HST 359: Jewish History from 1492 to 1948 (SB & G & H)

HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)

HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H)

HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)

HST 364: Sex and Society in Modern Europe ((L or SB) & H)

HST 365: World Wars I and II: Europe's Eastern Front

HST 366: England to 1689 (SB & H)

HST 367: Modern Britain (SB & H)

HST 368: Culture and Imagination in European History (HU & H)

HST 369: History and Memory of the Holocaust

HST 370: Eastern Europe in Transition (SB & G & H)

HST 372: Modern Middle East (SB & G & H)

HST 373: Roman History I: Foundations and Republic

HST 374: Roman History II: The Roman Empire (HU & H)

HST 375: Colonial Latin America (SB & H)

HST 376: Modern Latin America (SB & G & H)

HST 383: China (SB & H)

HST 384: Modern China: 1700 to the Present (SB & G & H)

HST 386: Interpreting China's Classics ((L or HU) & H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and Values/Premod

HST 391: Modern Southeast Asia (SB & G & H)

HST 392: Modern India

HST 397: Greece and Rome at War

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.25 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Integrated Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAISTBA

Students may not be admitted directly to the BA in Integrated Studies. This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25, and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in The College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling (480) 965-6506.

| **Term 1 0 - 14 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your career interest area and play me3@asu. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Mathematics (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14 | | |

| **Term 2 14 - 29 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 2 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 3 29 - 43 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Minimum 3.25 GPA ASU Cumulative. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 14 | |

| **Term 4 43 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.<br>• Explore an internship. |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:*<br>Approved integrated study courses; determined by advisor. | 6 | C | • Create a resume.<br>• Review or develop your professional online presence. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Approved integrated study courses; determined by advisor. | 6 | C | • Research graduate programs and employment opportunities.<br>• Gather professional references. |
| *Complete 2 courses:*<br>Approved integrated study courses; determined by advisor. | 6 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 4 courses:* | | | |

| | | | |
|---|---|---|---|
| ★ | Upper Division Approved integrated study courses; determined by advisor. | 12 | C |
| ★ | Approved integrated study courses; determined by advisor. | 3 | C |
| | Minimum 3.25 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 15 | |

- Prepare applications for graduate programs and full-time career opportunities.
- Complete an in person or virtual practice interview.

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 4 courses:* | | | |
| ★ Upper Division Approved integrated study courses; determined by advisor. | 12 | C | |
| Upper Division Elective | 3 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.25 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Integrated Studies, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAISTBS

Students may not be admitted directly to the BS in Integrated Studies.ÂThis degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25, and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in The College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling (480) 965-6506.

| **Term 1 0 - 16 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest area and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Mathematics (MA) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 2 16 - 31 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 3 31 - 44 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Science and Society Elective | 3 | C | • Before registering in term 4, students must meet with an advisor in The College of Liberal Arts and Sciences' Office of Student and |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | |
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Minimum 3.25 GPA ASU Cumulative. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 13 | |

Academic Programs to develop an approved program of integrated study courses.
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Approved integrated study courses; determined by advisor. | 3 | C | • Develop your skills<br>• Explore an internship |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:*<br>Approved integrated study courses; determined by advisor. | 9 | C | • Review or develop your professional online presence<br>• Create a resume |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Approved integrated study courses; determined by advisor. | 6 | C | • Research graduate programs and employment opportunities<br>• Gather professional references |
| Approved integrated study courses; determined by advisor. | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 4 courses:*<br>Upper Division Approved integrated study courses; determined by advisor. | 12 | C | • Prepare applications for graduate programs and full-time career opportunities<br>• Complete an in person or virtual practice interview |
| Upper Division Elective | 3 | | |
| Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| *Complete 4 courses:* | | | |
| ★ Upper Division Approved integrated study courses; determined by advisor. | 12 | C | |
| Upper Division Elective | 3 | | |
| ★ Minimum 3.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.25 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## International Letters and Cultures, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASLCBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Approved Selected Language Courses | 4-5 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students in this major must be eligible to take a 200-level or above selected target language course in the first term.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.<br>• Learn about intensive language courses.<br>• Engage in your language and culture area at ASU. |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 14-15 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Approved Selected Language Courses | 4-5 | C | • Start planning your study abroad experience. Learn about faculty directed summer programs offered through the School of International Letters and Cultures.<br>• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.<br>• Attend a Financing your Study Abroad Program Workshop.<br>• Select your Career Interest Communities and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Milestone: Meet with a SILC advisor before the end of the term to seek guidance in writing personal statement. | | | |
| Minimum 2.33 GPA ASU Cumulative. | | | |
| Minimum cumulative 3.00 GPA in primary target language courses. | | | |
| Term hours subtotal: | 16-17 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Approved Selected Language Courses | 4-5 | C | |

| | | | |
|---|---|---|---|
| Course from approved Program of Study | 3 | C | • Meet with your academic advisor in SILC regarding your program of study, which is tailored for individual students.<br>• Explore your career interest area.<br>• Learn about research opportunities through the ASU Humanities Lab.<br>• Activate your Handshake account and build out your profile. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Milestone: Write a personal statement and submit statement by the end of the term; receive Program of Study approval. | | | |
| Minimum 2.33 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14-15 | | |

| **Term 4 44 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 3 courses:*<br>Course from approved Program of Study | 9 | C | • Learn about internships, scholarships and awards available to language and culture majors. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Minimum 2.33 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 3 courses:*<br>Upper Division Course from approved Program of Study | 9 | C | • Learn about national scholarships, fellowships and research opportunities. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Minimum 2.33 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 3 courses:*<br>Upper Division Course from approved Program of Study | 9 | C | • Make plans to study abroad in an ASU Study Abroad summer, semester, or academic year program.<br>• Use Handshake to research employment opportunities. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.33 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 3 courses:*<br>Upper Division Course from approved Program of Study | 9 | C | • Learn about ways to build your skills. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective OR SLC 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | 4** (400-Level) GRK/LAT/SLC Course | 3 | C |
| | Upper Division Course from approved Program of Study | 3 | C |
| | Course from approved Program of Study | 3 | C |
| | *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| | Term hours subtotal: | 15 | |

- Attend a Career Services job fair or networking event.

- This degree program is intended for students who are already fairly competent in the language selected to study. The language selected by the student must be one offered by the School of International Letters and Cultures. Please see an academic advisor in SILC for approval of the language as well as the program of study which is tailored for individual students. Because of the nature of the degree program, students taking Romanian should be at least at the 313 level by the end of Term 1, and students taking Greek should be at least at the 301 level by the end of Term 1. Students in all other languages should be at the 201 level by the end of Term 1.

Hide Course List(s)/Track Group(s)

| Approved Selected Language Courses |
|---|
| ARB 201: Intermediate Arabic I (G) AND ARB 202: Intermediate Arabic II (G) |
| ASL 201: American Sign Language III AND ASL 202: American Sign Language IV |
| BCS 201: Intermediate Serbo-Croatian (G) AND BCS 202: Intermediate Serbo-Croatian (G) |
| CHI 201: Second-Year Chinese I (G) AND CHI 202: Second-Year Chinese II (G) or CHI 210: Intensive Chinese II |
| FRE 201: Intermediate French I (G) AND FRE 202: Intermediate French II (G) or FRE 210: Intensive French II (G) |
| GER 201: Intermediate German I (G) AND GER 202: Intermediate German II (G) or GER 210: Intensive German II (G) |
| GRK 301: Ancient Greek Literature I (HU & G) AND GRK 302: Ancient Greek Literature II (HU & G) |
| HEB 201: Intermediate Modern Hebrew (G) AND HEB 202: Intermediate Modern Hebrew (G) |
| HEB 231: Biblical Hebrew III (G) AND HEB 232: Biblical Hebrew IV (G) |
| IDN 201: Intermediate Indonesian I (G) AND IDN 202: Intermediate Indonesian II (G) |
| ITA 201: Intermediate Italian I (G) AND ITA 202: Intermediate Italian II (G) or ITA 210: Intensive Italian II (G) |

| 400-Level GRK/LAT/SLC Course |
|---|
| GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU) |
| LAT 421: Roman Literature (HU & G) |
| SLC 414: French and Italian Popular Culture ((L or HU) & G) |
| SLC 423: Italian Organized Crime in Films and History ((L or HU) & G) |
| SLC 429: Studies in European Literature and Culture |
| SLC 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (L or HU) |
| SLC 440: Film Theory and Criticism |
| SLC 441: Fairy Tales (HU & G) |
| SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) |
| SLC 445: Holocaust, War and German Memory (HU) |
| SLC 446: Weimar-Era German Film |
| SLC 447: German Modernism |
| SLC 450: Experimental Narrative (HU) |
| SLC 455: Berlin: Migration, Arts and Activism (G) |

JPN 201: Second-Year Japanese I (G) AND JPN 202: Second-Year Japanese II (G) or JPN 210: Intensive Japanese II

KOR 201: Second-Year Korean I (G) AND KOR 202: Second-Year Korean II (G)

LAT 201: Intermediate Latin I (HU & G) AND LAT 202: Intermediate Latin II (HU & G)

PLC 201: Intermediate Polish AND PLC 202: Intermediate Polish

POR 201: Intermediate Portuguese I (G) AND POR 202: Intermediate Portuguese II (G)

ROM 313: Romanian Composition and Conversation (HU & H & G) AND ROM 314: Romanian Composition and Conversation (HU & H & G)

RUS 201: Intermediate Russian I (G) AND RUS 202: Intermediate Russian II (G)

SPA 201: Intermediate Spanish (G) AND SPA 202: Intermediate Spanish (G) or SPA 203: Intermediate Spanish I for Bilinguals (C & G) AND SPA 204: Intermediate Spanish II for Bilinguals (C & G) or SPA 210: Intensive Spanish II (G)

VTN 201: Intermediate Vietnamese I (G) AND VTN 202: Intermediate Vietnamese II (G)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## International Letters and Cultures (Arabic Studies), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASLCASBA

| Term 1 0 - 18 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARB 101: Elementary Arabic I (G) | 5 | C | • ASU 101 or college-specific First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language must take a placement test.<br>• Engage in Arabic at ASU. Practice your language skills at the SILC Cafe. |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 18 | | |

| Term 2 18 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARB 102: Elementary Arabic II (G) | 5 | C | • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. Attend a Financing Your Study Abroad Program Workshop.<br>• Select your career interest area and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 or ENG 105 or ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 33 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARB 201: Intermediate Arabic I (G) | 5 | C | • Meet with a School of International Letters and Cultures academic advisor to learn about internships and scholarships and awards for language and culture majors.<br>• Arabic offers many opportunities if you are interested in working for the Peace Corps. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 48 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARB 202: Intermediate Arabic II (G) | 5 | C | • Meet with a School of International Letters and Cultures academic advisor to learn about internships and scholarships and awards for language and culture majors.<br>• Proficiency in Arabic offers an advantage to those who are interested in U.S. State Department careers.<br>• Learn about research opportunities through the ASU Humanities Lab. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 12 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARB 311: Advanced Arabic Skills I OR ARB 315: Advanced Arabic for Heritage Speakers | 3 | C | • Learn about national scholarships, fellowships, and research opportunities. |
| ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARB 341: Quran Text and Women (HU & H) | 3 | C | • Students must take a minimum of six credit hours in concentration electives. Credit hours in excess of the six required credit hours will be counted as elective hours toward the 120 total credit hours required for any ASU degree.<br>• Explore your career interest area.<br>• Use Handshake to research employment opportunities. |
| ARB 411: Advanced Arabic Skills II (G) | 3 | C | |
| Upper Division Concentration Electives | 3 | C | |
| Upper Division Elective OR SLC 484: Internship | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARB 351: Classical Arabic Literature (HU & G) | 3 | C | • Gather professional references. |
| Upper Division Concentration Electives | 3 | C | |
| Upper Division Restricted Content Courses in Arabic | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ARB 352: Modern Arabic Literature in Translation (HU & G) | 3 | C | • Attend an ASU Career Services workshop or Job Fair. |
| Upper Division Related Area Course Electives | 3 | C | |
| Upper Division Restricted Content Courses in Arabic | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Restricted Content Courses in Arabic |
| --- |
| ARB 421: Arabic Conversation II |
| ARB 422: Advanced Arabic Media (G) |
| ARB 427: Arabic Prose: Reading the Arabian Nights |

| Concentration Electives |
| --- |
| ARB 321: Arabic Conversation I |
| ARB 335: Arabic Culture and Islam (G) |
| ARB 336: Introduction to the Qur'an (G) |
| ARB 337: Hadith and Prophetic Tradition (HU & H & G) |
| ARB 340: Arabic Translation |
| ARB 360: Islamic Philosophical Literature |
| ARB 394: Special Topics |
| ARB 421: Arabic Conversation II |
| ARB 422: Advanced Arabic Media (G) |
| ARB 428: Arab Women's Writing (HU & G) |
| ARB 493: Honors Thesis (L) |
| ARB 494: Special Topics |
| ARB 499: Individualized Instruction |

| Related Area Courses |
| --- |
| AFR 480: Different Voices Within Contemporary Islamic Discourse |
| HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H) |
| HST 372: Modern Middle East (SB & G & H) |
| POS 353: Comparative Politics of the Middle East |
| REL 365: Islamic Civilization (HU & H) |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## International Letters and Cultures (Classical Civilization), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASLCVBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with experience in the language must take a placement exam.<br>• Learn about Intensive Language courses at ASU.<br>• Explore your career interest area.<br>• Engage in the Classics at ASU. Practice your language skills at the SILC Cafe. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a second language course at the 4th semester intermediate level (202 or above). | 4 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Start planning your study abroad experience. Learn about ASU Study Abroad programs.<br>• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.<br>• Attend a Financing Your Study Abroad Program workshop.<br>• Select your career interest area and play me3@ASU. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a second language course at the 4th semester intermediate level (202 or above). | 4 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRK 142: Ancient Greek Civilization (HU & H) or SLC 142: Ancient Greek Civilization (HU & H) OR LAT 143: Roman Civilization (HU & H) or SLC 143: Roman Civilization (HU & H) | 3 | C | • Learn about internships, scholarships and awards and explore your career interest area. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a second language course at the 4th semester intermediate level (202 or above). | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 13 | |

| Term 4 43 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Ancient World Elective | 3 | C | • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. |
| GRK 223: Introduction to Greek and Roman Mythology (HU) OR LAT 223: Introduction to Greek and Roman Mythology (HU) OR SLC 223: Introduction to Greek and Roman Mythology (HU) | 3 | | |
| Second Language: Requirement satisfied through the following: * Completion of a second language course at the 4th semester intermediate level (202 or above). | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Ancient World Elective | 3 | C | • Explore your career interest area. |
| Upper Division Culture Core | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 75 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Ancient World Elective | 3 | C | • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.<br>• Visit the Office of National Scholarship Advisement to learn more about national scholarships, fellowships and research opportunities.<br>• Use Handshake to research employment opportunities. |
| Upper Division Culture Core | 3 | C | |
| Upper Division History Core | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 4** (400-Level) GRK/LAT/SLC Course | 3 | C | • Build your skills. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR SLC 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | Upper Division Ancient World Elective | 3 | C |
| | Upper Division History Core | 3 | C |
| | *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| | Elective | 2 | |
| | Term hours subtotal: | 14 | |

- Attend an ASU Career Services Job Fair.

Hide Course List(s)/Track Group(s)

| Upper Division Culture Core | History Core | Ancient World Electives |
|---|---|---|
| GRK 351: Tales of Troy (HU & H) or SLC 351: Tales of Troy (HU & H) | GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) | APH 313: History of Architecture I ((L or HU) & G & H) |
| GRK 352: The Rise and Fall of Ancient Athens (HU & H) or SLC 352: The Rise and Fall of Ancient Athens (HU & H) | GRK 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) | ARS 402: Art of Ancient Egypt (HU & H) |
| GRK 353: Alexander and His Empires (HU & H) or SLC 353: Alexander and His Empires (HU & H) | LAT 373: Roman History I: Foundations and Republic or SLC 373: Roman History I: Foundations and Republic or HST 373: Roman History I: Foundations and Republic | ARS 404: Greek Art (HU & H) |
| LAT 356: Rome from Village to Empire or SLC 356: Rome from Village to Empire | LAT 374: Roman History II: The Roman Empire (HU & H) or SLC 374: Roman History II: The Roman Empire (HU & H) or HST 374: Roman History II: The Roman Empire (HU & H) | ARS 406: Roman Art (HU & H) |
| LAT 357: Rome's First Emperor (HU & H) or SLC 357: Rome's First Emperor (HU & H) | | ASB 330: Understanding Archaeology (SB) |
| LAT 358: Saving the Roman Empire ((L or HU) & H) or SLC 358: Saving the Roman Empire ((L or HU) & H) | | ENG 303: Classical Backgrounds of English Literature (HU) |
| | | GRK 201: Intermediate Ancient Greek (G) |
| | | GRK 301: Ancient Greek Literature I (HU & G) |
| | | GRK 302: Ancient Greek Literature II (HU & G) |
| | | GRK 344: Classics and Comics (HU) or LAT 344: Classics and Comics (HU) or SLC 344: Classics and Comics (HU) |
| | | GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) |
| | | GRK 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) |
| | | GRK 360: Greece and Rome at War or LAT 360: Greece and Rome at War or SLC 360: Greece and Rome at War or HST 397: Greece and Rome at War |
| | | GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU) |

HST 349: Early Middle Ages ((HU or SB) & H)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H)

HST 495: Methods of Historical Inquiry (L)

LAT 201: Intermediate Latin I (HU & G)

LAT 202: Intermediate Latin II (HU & G)

LAT 361: Roman Religion (HU) or SLC 361: Roman Religion (HU) or REL 361: Roman Religion (HU)

LAT 373: Roman History I: Foundations and Republic or SLC 373: Roman History I: Foundations and Republic or HST 373: Roman History I: Foundations and Republic

LAT 421: Roman Literature (HU & G)

PHI 328: History of Ancient Philosophy (HU & H)

POS 340: History of Political Philosophy I (HU & H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

REL 316: Literary Readings of the Hebrew Bible (L or HU)

REL 371: New Testament (HU)

REL 375: Lost Scriptures, Forgotten Gospels (HU)

400-Level GRK/LAT/SLC Course

GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)

LAT 421: Roman Literature (HU & G)

SLC 414: French and Italian Popular Culture ((L or HU) & G)

SLC 423: Italian Organized Crime in Films and History ((L or HU) & G)

SLC 429: Studies in European Literature and Culture

SLC 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (L or HU)

SLC 440: Approaches to Film Theory

SLC 441: Fairy Tales (HU & G)

SLC 442: Dracula and Vampire Lore ((L or HU) & G & H)

SLC 445: Holocaust, War and German Memory (HU)

SLC 446: Weimar-Era German Film

SLC 447: German Modernism

SLC 450: Experimental Narrative (HU)

SLC 455: Berlin: Migration, Arts and Activism (G)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## International Letters and Cultures (Classics) - Greek, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASLCCBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRK 101: Elementary Ancient Greek (G) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.<br>• Engage in the Classics at ASU. Practice your language skills at the SILC Cafe. |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Minimum 2.33 GPA ASU Cumulative. | | | |
| Minimum 3.00 GPA in GRK. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRK 201: Intermediate Ancient Greek (G) | 4 | C | • Start planning your study abroad experience. Learn about faculty-directed summer study abroad programs offered through the School of International Letters and Cultures.<br>• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.<br>• Attend a Financing Your Study Abroad Program Workshop.<br>• Select your career interest area and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 2.33 GPA ASU Cumulative. | | | |
| Minimum 3.00 GPA in GRK. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRK 301: Ancient Greek Literature I (HU & G) | 3 | C | • Students are required to take GRK 301 twice, once in Term 3 and again in Term 5.<br>• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Minimum 3.00 GPA in GRK. | | |
| Term hours subtotal: | 16 | |

| Term 4 46 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRK 302: Ancient Greek Literature II (HU & G) | 3 | C | • Students are required to take GRK 302 twice, once in Term 4 and again in Term 6.<br>• Learn about internship, scholarships and awards opportunities.<br>• Explore your career interest area.<br>• Learn about research opportunities through the ASU Humanities Lab. |
| Ancient World Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Minimum 3.00 GPA in GRK. | | | |
| Term hours subtotal: | 13 | | |

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRK 301: Ancient Greek Literature I (HU & G) | 3 | C | • Students are required to take GRK 301 twice.<br>• Learn about national scholarships, fellowships and research opportunities. |
| Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 4 | | |
| Term hours subtotal: | 16 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GRK 302: Ancient Greek Literature II (HU & G) | 3 | C | • Students are required to take GRK 302 twice.<br>• Explore your career interest area.<br>• Use Handshake to research employment opportunities. |
| Ancient World Elective | 3 | C | |
| Culture Core | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Ancient World Elective | 3 | C | |
| Culture Core | 3 | C | |
| 4** (400-Level) GRK/LAT/SLC Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR SLC 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Ancient World Elective | 3 | C | • Attend an ASU Career Services workshop or job fair. |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |

| | |
|---|---|
| Elective | 3 |
| Term hours subtotal: | 15 |

Hide Course List(s)/Track Group(s)

| Culture Core | Ancient World Electives | 400-Level GRK/LAT/SLC Course |
|---|---|---|
| GRK 351: Tales of Troy (HU & H) or SLC 351: Tales of Troy (HU & H) | APH 313: History of Architecture I ((L or HU) & G & H) | GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU) |
| GRK 352: The Rise and Fall of Ancient Athens (HU & H) or SLC 352: The Rise and Fall of Ancient Athens (HU & H) | ARS 402: Art of Ancient Egypt (HU & H) | LAT 421: Roman Literature (HU & G) |
| GRK 353: Alexander and His Empires (HU & H) or SLC 353: Alexander and His Empires (HU & H) | ARS 404: Greek Art (HU & H) | SLC 414: French and Italian Popular Culture ((L or HU) & G) |
| LAT 356: Rome from Village to Empire or SLC 356: Rome from Village to Empire | ARS 406: Roman Art (HU & H) | SLC 423: Italian Organized Crime in Films and History ((L or HU) & G) |
| LAT 357: Rome's First Emperor (HU & H) or SLC 357: Rome's First Emperor (HU & H) | ASB 330: Understanding Archaeology (SB) | SLC 429: Studies in European Literature and Culture |
| LAT 358: Saving the Roman Empire ((L or HU) & H) or SLC 358: Saving the Roman Empire ((L or HU) & H) | ENG 303: Classical Backgrounds of English Literature (HU) | SLC 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (L or HU) |
| | GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU) | SLC 440: Approaches to Film Theory |
| | GRK 301: Ancient Greek Literature I (HU & G) | SLC 441: Fairy Tales (HU & G) |
| | GRK 302: Ancient Greek Literature II (HU & G) | SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) |
| | GRK 344: Classics and Comics (HU) or LAT 344: Classics and Comics (HU) or SLC 344: Classics and Comics (HU) | SLC 445: Holocaust, War and German Memory (HU) |
| | GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) | SLC 446: Weimar-Era German Film |
| | GRK 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) | SLC 447: German Modernism |
| | GRK 351: Tales of Troy (HU & H) or SLC 351: Tales of Troy (HU & H) | SLC 450: Experimental Narrative (HU) |
| | GRK 352: The Rise and Fall of Ancient Athens (HU & H) or SLC 352: The Rise and Fall of Ancient Athens (HU & H) | SLC 455: Berlin: Migration, Arts and Activism (G) |
| | GRK 353: Alexander and His Empires (HU & H) or SLC 353: Alexander and His Empires (HU & H) | |

GRK 360: Greece and Rome at War or LAT 360: Greece and Rome at War or SLC 360: Greece and Rome at War or HST 397: Greece and Rome at War

GRK 362: Ancient Greek Religion (HU) or SLC 362: Ancient Greek Religion (HU) or REL 360: Ancient Greek Religion (HU)

GRK 363: Ancient Magic and Witchcraft or SLC 363: Ancient Magic and Witchcraft or LAT 363: Ancient Magic and Witchcraft

GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)

HST 349: Early Middle Ages ((HU or SB) & H)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H)

HST 495: Methods of Historical Inquiry (L)

LAT 201: Intermediate Latin I (HU & G)

LAT 202: Intermediate Latin II (HU & G)

LAT 356: Rome from Village to Empire or SLC 356: Rome from Village to Empire

LAT 357: Rome's First Emperor (HU & H) or SLC 357: Rome's First Emperor (HU & H)

LAT 358: Saving the Roman Empire ((L or HU) & H) or SLC 358: Saving the Roman Empire ((L or HU) & H)

LAT 361: Roman Religion (HU) or SLC 361: Roman Religion (HU) or REL 361: Roman Religion (HU)

LAT 373: Roman History I: Foundations and Republic or SLC 373: Roman History I: Foundations and Republic or HST 373: Roman History I: Foundations and Republic

LAT 374: Roman History II: The Roman Empire (HU & H) or HST 374: Roman History II: The Roman Empire (HU & H)

LAT 421: Roman Literature (HU & G)

PHI 328: History of Ancient Philosophy (HU & H)

POS 340: History of Political Philosophy I (HU & H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

**Notes:**

-

    - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## International Letters and Cultures (Classics) - Latin, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASLCCBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAT 101: Elementary Latin (G) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.<br>• Engage in the Classics at ASU. |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Minimum 2.33 GPA ASU Cumulative. | | | |
| Minimum 3.00 GPA in LAT. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAT 102: Elementary Latin (G) | 4 | C | • Start planning your study abroad experience. Learn about study abroad faculty-directed programs offered through the ASU Global Education Office and the School of International Letters and Cultures.<br>• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.<br>• Select your career interest area and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Minimum 3.00 GPA in LAT. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAT 201: Intermediate Latin I (HU & G) | 4 | C | • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.<br>• Attend a Financing Your Study Abroad Program Workshop. |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |

| | | | |
|---|---|---|---|
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Minimum 3.00 GPA in LAT. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAT 202: Intermediate Latin II (HU & G) | 4 | C | • Learn about internships, scholarships and award opportunities.<br>• Explore research opportunities through the ASU Humanities Lab. |
| Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 2.33 GPA ASU Cumulative. | | | |
| Minimum 3.00 GPA in LAT. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAT 421: Roman Literature (HU & G) | 3 | C | • Learn about national scholarships, fellowships, and research opportunities. |
| Upper Division Ancient World Elective | 3 | C | |
| Upper Division Culture Core | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LAT 421: Roman Literature (HU & G) | 3 | C | • Students are required to take LAT 421 twice.<br>• Explore your career interest area.<br>• Use Handshake to research employment opportunities. |
| Ancient World Elective | 3 | C | |
| 4** (400-Level) GRK/LAT/SLC Course | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Culture Core | 3 | C | • Gather professional references. |
| Upper Division Ancient World Elective | 3 | C | |
| Upper Division Elective OR SLC 484: Internship | 3 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 14 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Ancient World Elective | 3 | C | • Attend a career and internship event. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 3 courses:* | | | |

| | |
|---|---|
| Upper Division Elective | 9 |
| Term hours subtotal: | 15 |

Hide Course List(s)/Track Group(s)

| Upper Division Culture Core |
|---|
| GRK 351: Tales of Troy (HU & H) or SLC 351: Tales of Troy (HU & H) |
| GRK 352: The Rise and Fall of Ancient Athens (HU & H) or SLC 352: The Rise and Fall of Ancient Athens (HU & H) |
| GRK 353: Alexander and His Empires (HU & H) or SLC 353: Alexander and His Empires (HU & H) |
| LAT 356: Rome from Village to Empire or SLC 356: Rome from Village to Empire |
| LAT 357: Rome's First Emperor (HU & H) or SLC 357: Rome's First Emperor (HU & H) |
| LAT 358: Saving the Roman Empire ((L or HU) & H) or SLC 358: Saving the Roman Empire ((L or HU) & H) |

| Ancient World Electives |
|---|
| APH 313: History of Architecture I ((L or HU) & G & H) |
| ARS 402: Art of Ancient Egypt (HU & H) |
| ARS 404: Greek Art (HU & H) |
| ARS 406: Roman Art (HU & H) |
| ASB 330: Understanding Archaeology (SB) |
| ENG 303: Classical Backgrounds of English Literature (HU) |
| GRK 201: Intermediate Ancient Greek (G) |
| GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU) or SLC 223: Introduction to Greek and Roman Mythology (HU) |
| GRK 301: Ancient Greek Literature I (HU & G) |
| GRK 302: Ancient Greek Literature II (HU & G) |
| GRK 344: Classics and Comics (HU) or LAT 344: Classics and Comics (HU) or SLC 344: Classics and Comics (HU) |
| GRK 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) or HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) |
| GRK 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) or SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) |
| GRK 351: Tales of Troy (HU & H) or SLC 351: Tales of Troy (HU & H) |
| GRK 352: The Rise and Fall of Ancient Athens (HU & H) or SLC 352: The Rise and Fall of Ancient Athens (HU & H) |

| 400-Level GRK/LAT/SLC Course |
|---|
| GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU) |
| LAT 421: Roman Literature (HU & G) |
| SLC 414: French and Italian Popular Culture ((L or HU) & G) |
| SLC 423: Italian Organized Crime in Films and History ((L or HU) & G) |
| SLC 429: Studies in European Literature and Culture |
| SLC 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (L or HU) |
| SLC 440: Approaches to Film Theory |
| SLC 441: Fairy Tales (HU & G) |
| SLC 442: Dracula and Vampire Lore ((L or HU) & G & H) |
| SLC 445: Holocaust, War and German Memory (HU) |
| SLC 446: Weimar-Era German Film |
| SLC 447: German Modernism |
| SLC 450: Experimental Narrative (HU) |
| SLC 455: Berlin: Migration, Arts and Activism (G) |

GRK 353: Alexander and His Empires (HU & H) or SLC 353: Alexander and His Empires (HU & H)

GRK 360: Greece and Rome at War or LAT 360: Greece and Rome at War or SLC 360: Greece and Rome at War or HST 397: Greece and Rome at War

GRK 363: Ancient Magic and Witchcraft or LAT 363: Ancient Magic and Witchcraft or SLC 363: Ancient Magic and Witchcraft

GRK 444: Heroes, Ancient and Modern (L or HU) or SLC 444: Heroes, Ancient and Modern (L or HU)

HST 349: Early Middle Ages ((HU or SB) & H)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H)

HST 495: Methods of Historical Inquiry (L)

LAT 356: Rome from Village to Empire or SLC 356: Rome from Village to Empire

LAT 357: Rome's First Emperor (HU & H) or SLC 357: Rome's First Emperor (HU & H)

LAT 358: Saving the Roman Empire ((L or HU) & H) or SLC 358: Saving the Roman Empire ((L or HU) & H)

LAT 361: Roman Religion (HU) or SLC 361: Roman Religion (HU) or REL 361: Roman Religion (HU)

LAT 373: Roman History I: Foundations and Republic or SLC 373: Roman History I: Foundations and Republic or HST 373: Roman History I: Foundations and Republic

LAT 421: Roman Literature (HU & G)

PHI 328: History of Ancient Philosophy (HU & H)

POS 340: History of Political Philosophy I (HU & H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

REL 316: Literary Readings of the Hebrew Bible (L or HU)

REL 371: New Testament (HU)

REL 375: Lost Scriptures, Forgotten Gospels (HU)

**Notes:**

-

    - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Italian, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAITABA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ITA 101: Elementary Italian I (G) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.<br>• Learn about Italian language intensive courses. ITA 110 (six credit language course equivalent to ITA 101 and ITA 102) is offered in the spring semester.<br>• Engage in Italian at ASU. Practice your language skills at the SILC Cafe. |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Start planning your study abroad experience. Attend a Financing Your Study Abroad Program Workshop.<br>• ITA 210 (six credit hour intensive language course equivalent to ITA 201 and ITA 202) is offered on the ASU Study Abroad Italian Language, Food and Culture and Professional Experience.<br>• Select your Career Interest Communities and play me3@ASU. |
| ITA 102: Elementary Italian II (G) | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 or ENG 105 or ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ITA 201: Intermediate Italian I (G) | 4 | C | • Meet with a School of International Letters and Cultures academic advisor to learn about internship opportunities in Italian and to discuss the best study abroad options for your major. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |

| | | | |
|---|---|---|---|
| Elective | 2 | | • Learn about research opportunities through the ASU Humanities Lab.<br>• Learn about scholarship opportunities for language and culture majors. |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ITA 202: Intermediate Italian II (G) | 4 | C | • Meet with a School of International Letters and Cultures academic advisor or Italian faculty member to learn about internship opportunities in Italian and to discuss the best study abroad options for your major.<br>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ITA 311: Speak Italy: Language, People, Culture (G) OR ITA 312: Write Italy: Language, People, Culture (L & G) OR ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G) OR ITA 319: Italian for Professions | 3 | C | • Learn about national scholarships, fellowships and research opportunities.<br>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters. |
| Upper Division ITA Electives | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (H) OR ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) | 3 | C | • Learn about scholarships and awards for language and culture majors.<br>• Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.<br>• Attend an ASU Career Services workshop.<br>• Use Handshake to research employment opportunities. |
| ITA 4** Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ITA 413: Advanced Italian (G) | 3 | C | • Meet with a School of International Letters and Cultures academic advisor to learn about internship and career opportunities in Italian. |
| ITA 4** Elective | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | ITA 311: Speak Italy: Language, People, Culture (G) OR ITA 312: Write Italy: Language, People, Culture (L & G) OR ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU & G) OR ITA 319: Italian for Professions | 3 | C |
| ★ | ITA 4** Elective | 3 | C |
| | Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| | Upper Division Elective OR ITA 484: Internship | 3 | |
| | Elective | 3 | |
| | Term hours subtotal: | 15 | |

- Meet with a School of International Letters and Cultures academic advisor to learn about internship and career opportunities in Italian.
- Attend an ASU Career Services workshop or job fair.

Hide Course List(s)/Track Group(s)

| ITA Upper Division Electives |
|---|
| ITA 319: Italian for Professions |
| ITA 350: Food and Culture: The Mediterranean Lifestyle in Italy |
| ITA 394: Special Topics |
| ITA 3** Elective |
| ITA 414: French and Italian Popular Culture ((L or HU) & G) |
| ITA 420: Italian Cinema (L & G) |
| ITA 423: Italian Organized Crime in Films and History ((L or HU) & G) |
| ITA 494: Special Topics |
| ITA 4** Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Jewish Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAJSTBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.<br>• Students completing Biblical Hebrew will need four extra elective credit hours to reach the 120 required for graduation.<br>• Select your Career Interest Communities and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent). | 4 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 2 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Many General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.<br>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.<br>• Join a student club or professional organization.<br>• If interested in law school, review the Pre-Law at ASU website. |
| Second Language: Requirement satisfied through the following:<br>* Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent). | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H) OR HST 230: Introduction to Jewish Civilization (HU & H & G) or JST 230: Introduction to Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization (HU & H & G) | 3 | C | • Explore opportunities to study abroad . |

| | | |
|---|---|---|
| Related Area Course | 3 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent). | 4 | C |
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Maintain 2.50 GPA in Major Courses. | | |
| Term hours subtotal: | 16 | |

| **Term 4 46 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Primary Concentration Course | 3 | C | • Students must choose one of the three concentrations below as their primary concentration and take 15 hours of coursework from that concentration. For the nine hours outside of primary concentration, students may select from courses in the other two concentration areas.<br>• Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.<br>• If interested in law school, make an appointment with the pre-law advisor. |
| Course Outside Primary Concentration | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent). | 4 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 14 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Primary Concentration Course | 3 | C | • Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if the G requirement has not already been satisfied.<br>• Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab. |
| Upper Division Related Area Course | 3 | C | |
| Primary Concentration Course | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Primary Concentration Course | 3 | C | • Explore graduate school opportunities.<br>• If planning on law school, prepare to take the LSAT.<br>• Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor. |
| Upper Division Course Outside Primary Concentration | 3 | C | |
| Related Area Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective OR JST 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ Upper Division Primary Concentration Course | 3 | C | • Use Handshake to research employment opportunities.<br>• Attend career fairs, workshops and related events offered by Career and Professional Development Services. |
| Upper Division Course Outside Primary Concentration | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ JST 490: Methods of Historical Inquiry (L) OR JST 491: History of Antisemitism OR JST 495: Judaism, Science and World Religions OR JST 496: Biblical Narratives: Literary Approaches | 3 | C | • Students complete JST 490, JST 491, JST 495, or JST 496 as a capstone course for the Jewish Studies major.<br>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.<br>• Apply for career opportunities. |
| Upper Division Related Area Course | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| ★ Maintain 2.50 GPA in Major Courses. | | | |
| Term hours subtotal: | 15 | | |

- Students must choose one of the three concentrations as the primary concentration and take 15 hours of coursework from that concentration. For the nine hours outside of primary concentration, students may select from courses in the other two concentration areas.

Hide Course List(s)/Track Group(s)

| History and Society Concentration | Literature and Culture Concentration | Religion and Thought Concentration |
|---|---|---|
| CRJ 456: Etiology of Martyrdom | ENG 333: American Jewish Literature during the Cold War | HEB 375: Contemporary Culture of Israel (HU & G) |
| HEB 375: Contemporary Culture of Israel (HU & G) | ENG 356: The Bible as Literature (HU) | HST 314: American Cultural History Since 1865 ((HU or SB) & H) |
| HST 302: Jews, Christians & Muslims in Early Modern World | HEB 375: Contemporary Culture of Israel (HU & G) | JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H) |
| HST 302: Jews, Christians & Muslims in the Medieval World | JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H) | JST 211: Jews and Judaism in America (SB & H & C) or HST 211: Jews and Judaism in America (SB & H & C) or REL 211: Jews and Judaism in America (SB & H & C) |
| HST 304: Exiles, Migrants, Refugees in Jewish History | JST 211: Jews and Judaism in America (SB & H & C) or HST 211: Jews and Judaism in America (SB & H & C) or REL 211: Jews and Judaism in America (SB & H & C) | JST 314: Jewish Philosophy or HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy |
| HST 304: History of Antisemitism | JST 230: Introduction to Jewish Civilization (HU & H & G) or HST 230: Introduction to Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization (HU & H & G) | JST 315: Hebrew Bible (Old Testament) ((L or HU) & H) or REL 315: Hebrew Bible (Old Testament) ((L or HU) & H) |
| HST 304: Jews and Christians in the Middle Ages | JST 314: Jewish Philosophy or HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy | JST 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU) or |
| HST 304: Nazi Germany | | |
| HST 304: Rebirth of European Jewish Life after 1950 | | |
| HST 358: Jewish History from Antiquity to 1492 (SB & H) | | |

HST 359: Jewish History from 1492 to 1948 (SB & G & H)

HST 372: Modern Middle East (SB & G & H)

JST 210: Introduction to Judaism (HU & H) or REL 210: Introduction to Judaism (HU & H)

JST 211: Jews and Judaism in America (SB & H & C) or HST 211: Jews and Judaism in America (SB & H & C) or REL 211: Jews and Judaism in America (SB & H & C)

JST 230: Introduction to Jewish Civilization (HU & H & G) or HST 230: Introduction to Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization (HU & H & G)

JST 302: Studies in History

JST 304: Studies in European History

JST 318: Contemporary American Jewish Identities ((HU or SB) & C) or REL 318: Contemporary American Jewish Identities ((HU or SB) & C)

JST 348: Israeli Society and Culture (HU & G) or HEB 348: Israeli Society and Culture (HU & G) or REL 311: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)

JST 369: History and Memory of the Holocaust or HST 369: History and Memory of the Holocaust or REL 312: History and Memory of the Holocaust

JST 460: World War II (HU & H & G) or HST 460: World War II (HU & H & G)

JST 490: Methods of Historical Inquiry (L)

JST 491: History of Antisemitism

REL 410: Judaism in Modern Times (HU & H)

SLC 320: Compassion: A Dialogue Between the Humanities, the Sciences and the Arts (HU)

STS 364: Science, Technology, and National Security (SB)

Related Area

ASB OR HST OR POS OR REL OR SGS OR SOC OR WST Elective

AFR 200: Introduction to Africana Studies (SB & G & H)

JST 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU) or HEB 316: Literary Readings of the Hebrew Bible (L or HU) or REL 316: Literary Readings of the Hebrew Bible (L or HU)

JST 318: Contemporary American Jewish Identities ((HU or SB) & C) or REL 318: Contemporary American Jewish Identities ((HU or SB) & C)

JST 346: Israeli Wars in Israeli Movies (HU & G) or FMS 349: Israeli Wars in Israeli Movies (HU & G) or HEB 349: Israeli Wars in Israeli Movies (HU & G)

JST 347: Modern Israeli Literature in Translation (HU & G) or ENG 347: Modern Israeli Literature in Translation (HU & G) or HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)

JST 445: Holocaust, War and German Memory (HU) or FMS 445: Holocaust, War and German Memory (HU) or GER 445: Holocaust, War and German Memory (HU) or SLC 445: Holocaust, War and German Memory (HU)

JST 459: Latin American Jewish Culture or SLC 459: Latin American Jewish Culture or SPA 459: Latin American Jewish Culture

JST 496: Biblical Narratives: Literary Approaches

REL 313: Anti-Semitism in the Media

SLC 320: Compassion: A Dialogue Between the Humanities, the Sciences and the Arts (HU)

HEB 316: Literary Readings of the Hebrew Bible (L or HU) or REL 316: Literary Readings of the Hebrew Bible (L or HU)

JST 318: Contemporary American Jewish Identities ((HU or SB) & C) or REL 318: Contemporary American Jewish Identities ((HU or SB) & C)

JST 349: Nature, Sustainability and Religion or HPS 349: Nature, Sustainability and Religion or REL 349: Nature, Sustainability and Religion or SOS 349: Nature, Sustainability and Religion

JST 411: Judaism and the Beginnings of Christianity (HU & H) or HEB 411: Judaism and the Beginnings of Christianity (HU & H) or REL 411: Judaism and the Beginnings of Christianity (HU & H)

JST 495: Judaism, Science and World Religions

REL 207: Ritual, Symbol, and Myth (L or HU)

REL 310: Western Religious Traditions (HU & H)

REL 385: Contemporary Western Religious Thought (HU)

SLC 320: Compassion: A Dialogue Between the Humanities, the Sciences and the Arts (HU)

AFR 301: Race and Racism in Africa/African Diaspora (SB & G)

AFR 318: African and African Diaspora Women Writers (HU & G)

AFR 370: Family Ethnic and Cultural Diversity (SB & C)

AFR 375: Race, Gender and Sport (SB & C)

ARB 331: Arabic/Islamic Culture and Literature (HU & H & G)

ARB 335: Arabic Culture and Islam (G)

ARB 336: Introduction to the Qur'an (G)

ARB 337: Hadith and Prophetic Tradition (HU & H & G)

ARB 341: Quran Text and Women (HU & H)

ARB 351: Classical Arabic Literature (HU & G)

ARB 352: Modern Arabic Literature in Translation (HU & G)

CRJ 100: Introduction to Criminal Justice (SB)

ENG 315: Medieval Literature in Translation

ENG 333: American Ethnic Literature

ENG 356: The Bible as Literature (HU)

ENG 364: Women and Literature (HU)

GCU 328: Geography of Middle East and North Africa (SB & G)

GER 315: Germanic Mythology (HU & G)

GER 416: German Civilization (HU & H & G)

GER 421: German Literature Survey, 800-1800 (HU)

GER 422: German Literature Survey, 1800-Today (L or HU)

GER 431: German Humor

GER 441: Fairy Tales (HU & G)

IAS 430: Science and Religion (L or HU)

JUS 320: Community and Social Justice (SB & C)

JUS 352: The Global Politics of Human Rights (SB & G)

JUS 360: Law and Social Control (SB)

JUS 374: The Holocaust, Genocide, and Human Rights

JUS 425: Race, Gender, and Justice ((L or SB) & C)

JUS 430: Social Protest, Conflict, and Change ((L or SB) & C)

JUS 438: Human Differences: Dilemmas of Justice ((L or HU) & C)

JUS 467: Terrorism, War, and Justice (SB)

PHI 336: Social and Political Philosophy (HU)

PSY 350: Social Psychology (SB)

SLC 142: Ancient Greek Civilization (HU & H) or GRK 142: Ancient Greek Civilization (HU & H)

SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

SLC 362: Ancient Greek Religion (HU) or GRK 362: Ancient Greek Religion (HU)

SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

SLC 455: Berlin: Migration, Arts and Activism (G) or GER 455: Berlin: Migration, Arts and Activism (G)

SPA 325: Introduction to Hispanic Literature (HU)

SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)

SPA 426: Literature and Society in Modern Spain (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)

SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 456: 20th-Century Spanish American Fiction

SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

SPA 472: Latin American Society: Five Case Studies (HU & H & G)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)

SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)

THP 482: Theatre for Social Change (C)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.50 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Justice Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAJUSBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 105: Introduction to Justice Studies (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Activate your Handshake account and build out your profile. |
| JUS 210: Introduction to Ethnic Studies in the U.S. (C) OR JUS 214: The Pursuit of Justice in the 21st Century (SB) OR JUS 235: Disability, Justice and Advocacy (C) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS Elective | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| **Term 4** 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 303: Justice Theory (L) | 3 | C | • Explore an internship. |
| ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 218: Writing About Literature (L or HU) OR ENG 301: Writing for the Professions (L) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14 | | |

| **Term 5** 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 301: Research in Justice Studies (SB) | 3 | C | • Develop your professional online presence. |
| JUS Upper Division Elective | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| **Term 6** 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>JUS Upper Division Elective | 6 | C | |
| Upper Division Related Area Course | 3 | C | |
| Upper Division Elective OR JUS 484: Internship | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7** 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>JUS Upper Division Elective | 6 | C | • Gather professional references. |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| **Term 8** 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | JUS Upper Division Elective | 3 | C |
| | Upper Division Related Area Course | 3 | C |
| | *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| | Elective | 3 | |
| | Term hours subtotal: | 15 | |

- All Justice Studies students must complete nine upper-division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below. At least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, AMS, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| AFR Upper Division Elective |
| AIS Upper Division Elective |
| AMS Upper Division Elective |
| APA Upper Division Elective |
| ARS Upper Division Elective |
| ASB Upper Division Elective |
| ASM Upper Division Elective |
| CDE Upper Division Elective |
| COM Upper Division Elective |
| CRJ Upper Division Elective |
| ECN Upper Division Elective |
| ENG Upper Division Elective |
| FAS Upper Division Elective |
| FMS Upper Division Elective |
| GCU Upper Division Elective |
| GPH Upper Division Elective |
| HST Upper Division Elective |
| IED Upper Division Elective |
| MHL Upper Division Elective |
| PHI Upper Division Elective |
| POS Upper Division Elective |
| PSY Upper Division Elective |
| REL Upper Division Elective |

SGS Upper Division Elective

SOC Upper Division Elective

SST Upper Division Elective

TCL Upper Division Elective

THE Upper Division Elective

WST Upper Division Elective

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map
# Justice Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Online ASU Local
LAJUSBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 105: Introduction to Justice Studies (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Activate your Handshake account and build out your profile. |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 23 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 23 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 210: Introduction to Ethnic Studies in the U.S. (C) OR JUS 214: The Pursuit of Justice in the 21st Century (SB) OR JUS 235: Disability, Justice and Advocacy (C) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |

| | | | |
|---|---|---|---|
| | Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| | Minimum 2.00 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 7 | |

| Term 3 - A 30 - 37 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | JUS Elective | 3 | C | |
| | Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| | Term hours subtotal: | 7 | | |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| | Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| | Complete First-Year Composition requirement. | | | |
| | Complete Mathematics (MA) requirement. | | | |
| | Minimum 2.00 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | JUS 303: Justice Theory (L) | 3 | C | |
| | Natural Science - Quantitative (SQ) | 4 | | |
| | Term hours subtotal: | 7 | | |

| Term 4 - B 51 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 301: Writing for the Professions (L) | 3 | C | • Explore an internship. |
| | Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| | Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| | Minimum 2.00 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 9 | | |

| Term 5 - A 60 - 67 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | JUS 301: Research in Justice Studies (SB) | 3 | C | • Develop your professional online presence. |
| | Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| | Term hours subtotal: | 7 | | |

| Term 5 - B 67 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | JUS Upper Division Elective | 3 | C | |
| | Upper Division Related Area Course | 3 | C | |
| | Elective | 3 | | |

| | | | |
|---|---|---|---|
| | Minimum 2.00 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 9 | |

| Term 6 - A 76 - 82 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ | *Complete 2 courses:*<br>JUS Upper Division Elective | 6 | C | |
| | Term hours subtotal: | 6 | | |

| Term 6 - B 82 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | Upper Division Related Area Course | 3 | C | |
| | Upper Division Elective | 3 | | |
| | Elective | 2 | | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| | Minimum 2.00 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 8 | | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ | JUS Upper Division Elective | 3 | C | • Gather professional references. |
| | *Complete 2 courses:*<br>Elective | 6 | | |
| | Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| | Upper Division Related Area Course | 3 | C | |
| | Upper Division Elective | 3 | | |
| | Minimum 2.00 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ | JUS Upper Division Elective | 3 | C | |
| | Upper Division Elective | 3 | | |
| | Elective | 3 | | |
| | Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ | JUS Upper Division Elective | 3 | C | |
| | Upper Division Elective | 3 | | |
| | Minimum 2.00 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 6 | | |

- All Justice Studies students must complete nine upper-division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below. At least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, AMS, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
| --- |
| AFR Upper Division Elective |
| AIS Upper Division Elective |
| AMS Upper Division Elective |
| APA Upper Division Elective |
| ARS Upper Division Elective |
| ASB Upper Division Elective |
| ASM Upper Division Elective |
| CDE Upper Division Elective |
| COM Upper Division Elective |
| CRJ Upper Division Elective |
| ECN Upper Division Elective |
| ENG Upper Division Elective |
| FAS Upper Division Elective |
| FMS Upper Division Elective |
| GCU Upper Division Elective |
| GPH Upper Division Elective |
| HST Upper Division Elective |
| IED Upper Division Elective |
| MHL Upper Division Elective |
| PHI Upper Division Elective |
| POS Upper Division Elective |
| PSY Upper Division Elective |
| REL Upper Division Elective |
| SGS Upper Division Elective |
| SOC Upper Division Elective |
| SST Upper Division Elective |
| TCL Upper Division Elective |
| THE Upper Division Elective |
| WST Upper Division Elective |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Justice Studies, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAJUSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 105: Introduction to Justice Studies (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Activate your Handshake account and build out your profile. |
| JUS 210: Introduction to Ethnic Studies in the U.S. (C) OR JUS 214: The Pursuit of Justice in the 21st Century (SB) OR JUS 235: Disability, Justice and Advocacy (C) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS Elective | 3 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |

| | | | |
|---|---|---|---|
| Complete Mathematics (MA) requirement. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 47 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 303: Justice Theory (L) | 3 | C | • Explore an internship. |
| ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 218: Writing About Literature (L or HU) OR ENG 301: Writing for the Professions (L) | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 301: Research in Justice Studies (SB) | 3 | C | • Develop your professional online presence. |
| JUS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 302: Statistical Analysis for Justice Studies (CS) | 3 | C | |
| JUS Upper Division Elective | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* JUS Upper Division Elective | 6 | C | • Gather professional references. |
| Upper Division Related Area Course | 3 | C | |
| Upper Division Elective OR JUS 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS Upper Division Elective | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- All Justice Studies students must complete nine upper-division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below. At least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, AMS, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
| --- |
| AFR Upper Division Elective |
| AIS Upper Division Elective |
| AMS Upper Division Elective |
| APA Upper Division Elective |
| ARS Upper Division Elective |
| ASM Upper Division Elective |
| ASB Upper Division Elective |
| CDE Upper Division Elective |
| COM Upper Division Elective |
| CRJ Upper Division Elective |
| ECN Upper Division Elective |
| ENG Upper Division Elective |
| FAS Upper Division Elective |
| FMS Upper Division Elective |
| GCU Upper Division Elective |
| HST Upper Division Elective |
| GPH Upper Division Elective |
| IED Upper Division Elective |
| MHL Upper Division Elective |
| PHI Upper Division Elective |
| POS Upper Division Elective |
| PSY Upper Division Elective |
| REL Upper Division Elective |

SGS Upper Division Elective

SOC Upper Division Elective

SST Upper Division Elective

TCL Upper Division Elective

THE Upper Division Elective

WST Upper Division Elective

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Justice Studies, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAJUSBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 105: Introduction to Justice Studies (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Activate your Handshake account and build out your profile. |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 23 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 23 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 210: Introduction to Ethnic Studies in the U.S. (C) OR JUS 214: The Pursuit of Justice in the 21st Century (SB) OR JUS 235: Disability, Justice and Advocacy (C) | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 30 - 39 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS Elective | 3 | C | |
| Science and Society Elective | 3 | C | |
| Elective | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 9 |

| Term 3 - B 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 45 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 303: Justice Theory (L) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 54 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 301: Writing for the Professions (L) | 3 | C | • Explore an internship. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 301: Research in Justice Studies (SB) | 3 | | • Develop your professional online presence. |
| Upper Division Science and Society Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS 302: Statistical Analysis for Justice Studies (CS) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS Upper Division Elective | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ JUS Upper Division Elective | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| JUS Upper Division Elective | 3 | C | • Gather professional references. |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ JUS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- All Justice Studies students must complete nine upper-division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below. At least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, AMS, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| AFR Upper Division Elective |
| AIS Upper Division Elective |
| AMS Upper Division Elective |
| APA Upper Division Elective |
| ARS Upper Division Elective |

ASB Upper Division Elective

ASM Upper Division Elective

CDE Upper Division Elective

COM Upper Division Elective

FAS Upper Division Elective

CRJ Upper Division Elective

ECN Upper Division Elective

ENG Upper Division Elective

FMS Upper Division Elective

GCU Upper Division Elective

GPH Upper Division Elective

HST Upper Division Elective

IED Upper Division Elective

MHL Upper Division Elective

PHI Upper Division Elective

POS Upper Division Elective

PSY Upper Division Elective

REL Upper Division Elective

SGS Upper Division Elective

SOC Upper Division Elective

SST Upper Division Elective

TCL Upper Division Elective

THE Upper Division Elective

WST Upper Division Elective

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120

**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mathematics, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAMATBA

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) OR CSE 100: Principles of Programming with C++ (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Select your Career Interest Communities and play me3@ASU. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Field | 4 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU). |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |

| | | | |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | • PHY 121 & PHY 122 and/or MSE 208 are recommended to satisfy the Natural Science - Quantitative (SQ) requirement as they also satisfy Related Field requirements. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| **Term 4** 45 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 300: Mathematical Structures (L) | 3 | C | • Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.<br>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5** 61 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.<br>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| *Complete 2 courses:*<br>Related Field | 6 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| **Term 6** 77 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Additional Course in the Major (ACT, DAT, MAT or STP) | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• Use Handshake to research employment opportunities.<br>• PHI 103 is recommended for the Literacy and Critical Inquiry (L) requirement. |
| Related Field | 2 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR MAT 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| **Term 7** 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Additional Course in the Major (ACT, DAT, MAT or STP) | 6 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* | | | |

| | | | |
|---|---|---|---|
| Upper Division Elective | | 6 | |
| | Term hours subtotal: | 15 | |

- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
- Develop your professional online presence.

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Additional Course in the Major (ACT, DAT, MAT or STP) | 4 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• Meet with your academic advisor for final degree check and apply for graduation through your My ASU. |
| ★ Additional Course in the Major (ACT, DAT, MAT or STP) | 2 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 8 | | |
| Term hours subtotal: | 14 | | |

Hide Course List(s)/Track Group(s)

| Additional Course in the Major (ACT, DAT, MAT or STP) |
|---|
| ACT Upper Division Elective |
| DAT Upper Division Elective |
| MAT 243: Discrete Mathematical Structures |
| MAT 274: Elementary Differential Equations (MA) or MAT 275: Modern Differential Equations (MA) |
| MAT Upper Division Elective |
| STP 4** Elective |

| Related Field |
|---|
| ACT Upper Division Elective |
| AST Upper Division Elective |
| BCH 4** Elective |
| BME Upper Division Elective |
| CEE Upper Division Elective |
| CHE Elective |
| CHM 341: Elementary Physical Chemistry |
| CHM 343: Elementary Physical Chemistry Laboratory |
| CHM 345: Physical Chemistry I |
| CHM 346: Physical Chemistry II |
| CHM 348: Physical Chemistry Laboratory I (L) |
| CHM 349: Physical Chemistry Laboratory II (L) |
| CHM 453: Inorganic Chemistry |
| CHM 460: Biological Chemistry |
| CHM 471: Solid-State Chemistry |
| CIS 2** Elective |
| CIS Upper Division Elective |
| CSE Elective |
| DAT Upper Division Elective |

| |
|---|
| ECN Upper Division Elective |
| EEE Elective |
| FIN Upper Division Elective |
| GLG 418: Geophysics |
| GLG 419: Geodynamics |
| GLG 470: Hydrogeology |
| GLG 481: Geochemistry |
| IEE Upper Division Elective |
| MAE Elective |
| MAT 243: Discrete Mathematical Structures |
| MAT 274: Elementary Differential Equations (MA) or MAT 275: Modern Differential Equations (MA) |
| MAT Upper Division Elective |
| MSE Elective |
| PHI 333: Symbolic Logic |
| PHI 413: Advanced Symbolic Logic |
| PHY 121: University Physics I: Mechanics (SQ) |
| PHY 122: University Physics Laboratory I (SQ) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |
| PHY 132: University Physics Laboratory II (SQ) |
| PHY 150: Physics I (SQ) |
| PHY 151: Physics II (SQ) |
| PHY 2** Elective |
| PHY Upper Division Elective |
| STP Upper Division Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mathematics, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAMATBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | • Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.<br>• PHI 103 Principles of Sound Reasoning is recommended to satisfy the Literacy and Critical Inquiry (L) requirement.<br>• Join a student club or professional organization. |
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• PHY 121 & PHY 122 and/or MSE 208 is recommended to satisfy the Natural Science - Quantitative (SQ) requirement as they also satisfy Related Field requirements. |
| MAT 275: Modern Differential Equations (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 2 | | |
| Complete First-Year Composition requirement. | | | |

| | | | |
|---|---|---|---|
| Complete Mathematics (MA) requirement. | | | • Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU). |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 300: Mathematical Structures (L) | 3 | C | • Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• Completion of MAT 300 with a B or better by the end of this term is strongly correlated with success in this major and meets prerequisites to continue with MAT 371 in the next term. |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | |
| Science and Society Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 371: Advanced Calculus I | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• MAT 275 is highly recommended. |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 77 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Additional Courses in the Major (ACT, DAT, MAT, STP) | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• Develop your professional online presence. |
| Upper Division Depth Course | 3 | C | |
| Related Field | 3 | C | |
| Upper Division Elective OR MAT 484: Internship | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Additional Courses in the Major (ACT, DAT, MAT, STP) | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• Upper-division MAT/STP courses should be taken through the Tempe campus, unless approved by an academic advisor in the School of Mathematical and Statistical Sciences.<br>• Complete an in person or virtual practice interview. |
| Upper Division Advanced Courses | 3 | C | |
| Upper Division Depth Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | Upper Division Advanced Courses | 3 | C |
| | Related Field | 4 | C |
| | *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| | Term hours subtotal: | 13 | |

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Upper-division MAT/STP courses should be taken through the Tempe campus unless approved by a SoMSS advisor.
- Meet with your academic advisor for final degree check and apply for graduation through your My ASU.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Advanced Courses | Depth Courses | Related Field |
|---|---|---|
| ACT 4** Elective | ACT 440: Single Life Mortality | ACT 410: Mathematics of Finance |
| DAT 401: Statistical Modeling and Inference for Data Science | ACT 441: Long-Term Actuarial Mathematics | ACT 415: Probability for Risk Management |
| DAT 402: Machine Learning for Data Science | ACT 450: Actuarial Models | ACT 430: Mathematics of Financial Derivatives |
| MAT 372: Advanced Calculus II | ACT 451: Short-Term Actuarial Mathematics | ACT 450: Actuarial Models |
| MAT 410: Introduction to General Topology | MAT 410: Introduction to General Topology | ACT 451: Short-Term Actuarial Mathematics |
| MAT 412: Differential Geometry | MAT 412: Differential Geometry | BCH 4** Elective |
| MAT 415: Introduction to Combinatorics | MAT 415: Introduction to Combinatorics | BME Upper Division Elective |
| MAT 416: Graph Theory | MAT 416: Graph Theory | CEE Upper Division Elective |
| MAT 419: Introduction to Linear Optimization (CS) | MAT 423: Numerical Analysis I (CS) | CHE Elective |
| MAT 420: Scientific Computing | MAT 425: Numerical Analysis II (CS) | CHM 341: Elementary Physical Chemistry |
| MAT 421: Applied Computational Methods (CS) | MAT 442: Advanced Linear Algebra | CHM 343: Elementary Physical Chemistry Laboratory |
| MAT 423: Numerical Analysis I (CS) | MAT 444: Intermediate Abstract Algebra | CHM 345: Physical Chemistry I |
| MAT 425: Numerical Analysis II (CS) | MAT 447: Cryptography I | CHM 346: Physical Chemistry II |
| MAT 440: Group Theory | MAT 448: Cryptography II | CHM 348: Physical Chemistry Laboratory I (L) |
| MAT 441: Ring Theory | MAT 472: Intermediate Real Analysis I | CHM 349: Physical Chemistry Laboratory II (L) |
| MAT 442: Advanced Linear Algebra | MAT 473: Intermediate Real Analysis II | CHM 453: Inorganic Chemistry |
| MAT 443: Introduction to Abstract Algebra | MAT 475: Differential Equations | CHM 460: Biological Chemistry |
| MAT 444: Intermediate Abstract Algebra | MAT 476: Partial Differential Equations | CHM 471: Solid-State Chemistry |
| MAT 445: Theory of Numbers | STP 425: Stochastic Processes | CIS 2** Elective |
| MAT 447: Cryptography I | STP 427: Mathematical Statistics | CIS Upper Division Elective |

MAT 448: Cryptography II

MAT 451: Mathematical Modeling (CS)

MAT 452: Introduction to Chaos and Nonlinear Dynamics

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 476: Partial Differential Equations

STP 420: Introductory Applied Statistics (CS)

STP 421: Probability

STP 425: Stochastic Processes

STP 427: Mathematical Statistics

STP 429: Applied Regression (CS)

Additional Course in the Major (ACT, DAT, MAT, STP)

ACT Upper Division Elective

DAT Upper Division Elective

MAT Upper Division Elective

STP Upper Division Elective

CSE Elective

DAT Upper Division Elective

ECN Upper Division Elective

EEE Elective

FIN Upper Division Elective

GLG 418: Geophysics

GLG 419: Geodynamics

GLG 470: Hydrogeology

GLG 481: Geochemistry

IEE Upper Division Elective

MAE Elective

MAT Upper Division Elective

MSE Elective

PHI 333: Symbolic Logic

PHI 413: Advanced Symbolic Logic

PHY 121: University Physics I: Mechanics (SQ)

PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)

PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

PHY 2** Elective

PHY Upper Division Elective

STP Upper Division Elective

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mathematics (Secondary Education), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAMATSBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 207: Algebra and Geometry in the High School | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| MTE 210: Mentored Tutoring Internship | 1 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 208: Discrete Mathematics for Secondary Teachers | 3 | C | |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 49 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | • Meet with your academic advisor to discuss a summer internship and/or Research Opportunities for Undergraduates (REU). |
| MTE 250: Technology and Mathematical Visualization | 3 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) AND Historical Awareness (H) | 3 | | |

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Complete First-Year Composition requirement. | | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 17 | |

| Term 4 49 - 64 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 300: Mathematical Structures (L) | 3 | C | • Apply for an Identity Verified Print (IVP) fingerprint clearance card. This is required by AZ state law for participation in internships in 6-12 grade schools.<br>• Upper-division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| MAT 310: Introduction to Geometry | 3 | C | |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | |
| MTE 320: Conceptual Foundations of 7-12 Mathematics Curricula and Assessment | 3 | C | |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 64 - 79 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 371: Advanced Calculus I | 3 | C | • Meet with your advisor early in the semester to discuss enrollment in Teachers College (TEL) courses for Term 6. There may be specific steps you need to follow, prior to enrolling in these courses, including verification that you have obtained an IVP fingerprint card.<br>• Upper-division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| MTE 430: The Development of Mathematical Thinking | 3 | C | |
| STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | |
| MAT OR STP Upper Division Elective ( MAT 274 OR MAT 275 recommended) | 3 | C | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 79 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 415: Introduction to Combinatorics OR MAT 416: Graph Theory | 3 | C | • Upper-division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MTE 482: Methods of Teaching Mathematics in Secondary School | 3 | C | • While enrolled in TEL 477, you will be paired with a mentor teacher in a 6-12th |
| TEL 332: Disciplinary Literacy Methods | 3 | C | |

| | | | |
|---|---|---|---|
| ★ | TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C |
| ★ | TEL 477: Internship: Advanced | 2 | C |
| | MAT 441: Ring Theory OR MAT 445: Theory of Numbers OR MAT 440: Group Theory | 3 | C |
| | Minimum 2.25 GPA ASU Cumulative. | | |
| | Term hours subtotal: | 14 | |

grade classroom. You will need to complete 75 hours over the semester. Reliable transportation is needed to get to school sites.
- Students seeking teacher certification must pass required educator exams. Please speak with your Teachers College advisor to plan appropriately.
- Upper-division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Use Handshake to research employment opportunities.

| **Term 8** 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | • Gather professional references.<br>• Student teaching requires a full-time commitment in a 6-12th grade classroom for the semester. |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Minimum 2.25 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Mathematics (Statistics), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAMATTBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CSE 110: Principles of Programming (CS) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Elective | 3 | | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | • Join a student club or professional organization. |
| CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | • STP and upper-division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• PHI 103 is recommended to satisfy the Literacy and Critical Inquiry (L) general studies requirement. |
| STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Maintain 3.00 GPA in Critical Tracking Courses. | | | • Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU). |
| | Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 300: Mathematical Structures (L) | 3 | C | • Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.<br>• STP and upper-division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | |
| STP 429: Applied Regression (CS) | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Maintain 3.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 371: Advanced Calculus I | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• STP and upper-division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor. |
| STP 421: Probability | 3 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STP 427: Mathematical Statistics | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• STP and upper-division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor.<br>• Develop your professional online presence.<br>• Use Handshake to research employment opportunities. |
| MAT or STP Advanced Course | 3 | C | |
| Related Field Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective OR MAT 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division MAT or STP Advanced Course | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.<br>• STP and upper-division MAT courses should be taken through the Tempe campus, unless approved by a SoMSS advisor<br>• Gather professional references. |
| Upper Division Science and Society Elective | 3 | C | |
| Related Field Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division MAT or STP Advanced Course | 3 | C | • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Related Field Course | 4 | C | |
| Upper Division Elective | 3 | | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Elective | | 5 |
| | Term hours subtotal: | 15 |

- STP and upper-division MAT courses should be taken through the Tempe campus, unless approved by an SoMSS advisor.
- Meet with your academic advisor for final degree check and apply for graduation through My ASU.
- Apply for full-time career opportunities.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Field Course | MAT or STP Advanced Course |
|---|---|
| ACT Upper Division Elective | ACT 430: Mathematics of Financial Derivatives |
| AST Upper Division Elective | ACT 435: Statistics for Risk Modeling |
| BCH 4** Elective | ACT 450: Actuarial Models |
| BME Upper Division Elective | ACT 451: Short-Term Actuarial Mathematics |
| CEE Upper Division Elective | MAT 275: Modern Differential Equations (MA) |
| CHE Elective | MAT 372: Advanced Calculus II |
| CHM 341: Elementary Physical Chemistry | MAT 420: Scientific Computing |
| CHM 343: Elementary Physical Chemistry Laboratory | MAT 421: Applied Computational Methods (CS) |
| CHM 345: Physical Chemistry I | MAT 423: Numerical Analysis I (CS) |
| CHM 346: Physical Chemistry II | MAT 442: Advanced Linear Algebra |
| CHM 348: Physical Chemistry Laboratory I (L) | MAT 472: Intermediate Real Analysis I |
| CHM 349: Physical Chemistry Laboratory II (L) | STP 4** Elective |
| CHM 453: Inorganic Chemistry | |
| CHM 460: Biological Chemistry | |
| CHM 471: Solid-State Chemistry | |
| CIS 2** Elective | |
| CIS Upper Division Elective | |
| CSE Elective | |
| DAT 301: Exploring Data in R and Python | |
| DAT 402: Machine Learning for Data Science | |
| ECN Upper Division Elective | |
| EEE Elective | |

FIN Upper Division Elective

GLG 418: Geophysics

GLG 419: Geodynamics

GLG 470: Hydrogeology

GLG 481: Geochemistry

IEE Upper Division Elective

MAE Elective

MAT Upper Division Elective

MSE Elective

PHI 333: Symbolic Logic

PHI 413: Advanced Symbolic Logic

PHY 121: University Physics I: Mechanics (SQ)

PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)

PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

PHY 2** Elective

PHY Upper Division Elective

STP Upper Division Elective

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Microbiology, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAMICBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • LIA 101, ASU 101, or college-specific First-Year Seminar required of all first-year students.<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement.<br>• Select your Career Interest Communities and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student organization<br>• Activate your Handshake account and build out your profile<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Attend a Pre-Health 101 Session<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) OR BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins | 4 | C | • Students are encouraged to take MBB 347 to satisfy the genetics requirement. MBB 347 is only offered in spring term.<br>• Pre-health students should take CHM 233 and CHM 237 this term. See the pre-health website for more information<br>• If CHM 231 and 235 are taken, then BCH 361 and 367 must be taken the following semester<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I | 4 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

- It is not recommended to take more than two lab courses in a term.
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session
- Explore Minors or Certificates

| **Term 4 46 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) OR BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins | 4 | C |
| BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II | 4 | C |
| Literacy and Critical Inquiry (L) | 3 | |
| Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 14 | |

- If MIC 220 and MIC 206 were taken the previous term, BIO 340 or MBB 347 must be taken this term.
- Students are encouraged to take MBB 347 to satisfy the genetics requirement. MBB 347 is only offered in spring term.
- Pre-health students should take CHM 234 and CHM 238 this term. See the pre-health website for more information
- If CHM 231 and 235 were previously taken, then BCH 361 and 367 must be taken this term
- If CHM 233 and 237 were previously taken, then CHM 234 and 238 must be taken this term
- Meet with the Career & Professional Development Center to learn how to develop professional skills

| **Term 5 60 - 74 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| MIC 302: Advanced Bacteriology Laboratory (L) | 2 | C |
| MIC 360: Bacterial Physiology | 3 | C |
| Upper Division Microbiology/Immunology Major Electives | 3-4 | C |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 14-15 | |

- Pre-health students should take PHY 111 and PHY 113 instead of an elective this term. See the pre-health website for more information
- Meet with your advisor to discuss ways to maximize your remaining time at ASU
- Two lab courses are required and may be fulfilled by course requirements in other areas
- Thinking about graduate school? Consider registering for a grad school test prep course.

| **Term 6 74 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| PHY 101: Introduction to Physics (SQ) | 4 | C |
| Upper Division Additional Major Requirements | 3 | C |
| Upper Division General Biology Major Electives | 3-4 | C |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | |
| Elective | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 16-17 | |

- Pre-health students should take PHY 112 and PHY 114 instead of PHY 101 this term. See the pre-health website for more information
- Students must complete one upper-division elective from the list of Microbiology/Immunology Electives and one upper-division elective from the list of General Biology Electives.
- Explore graduate school or full-time employment opportunities

| Term 7 90 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MIC 401: Research Paper (L) | 1 | C | • MIC 401 requires the completion of an individualized instruction form and meeting with a faculty reader before the semester begins<br>• Apply for full-time career opportunities<br>• Meet with your advisor to verify remaining degree requirements have been met prior to Term 8 |
| Upper Division Additional Major Requirements | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 16 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Additional Major Requirements | 3 | C | • Continue to apply for full-time career opportunities or graduate school |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 14 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| General Biology Major Electives |
|---|
| BIO 302: Cancer--Mother of All Diseases (L) |
| BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) |
| BIO 320: Fundamentals of Ecology |
| BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L) |
| BIO 345: Evolution |
| BIO 351: Developmental Biology |
| BIO 353: Cell Biology |
| BIO 360: Animal Physiology |
| BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L) |
| BMI 465: Introduction to Comparative Genomics |

| Microbiology/Immunology Major Electives |
|---|
| BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L) |
| MBB 445: Techniques in Molecular Biology/Genetics or MIC 445: Techniques in Molecular Biology/Genetics |
| MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 446: Techniques in Molecular Biology/Genetics Lab |
| MIC 314: HIV/AIDS: Science, Behavior, and Society |
| MIC 379: Medical Bacteriology |
| MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations |
| MIC 421: Experimental Immunology |
| MIC 441: Bacterial Genetics |
| MIC 442: Bacterial Genetics Laboratory |

| Additional Major Requirements |
|---|
| BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L) |
| BIO 390: Medical/Dental Field Placement or BIO 484: Internship or MIC 484: Internship |
| BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging |
| BIO 492: Honors Directed Study or MBB 492: Honors Directed Study or MIC 492: Honors Directed Study |
| BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research |
| MBB 445: Techniques in Molecular Biology/Genetics or MIC 445: Techniques in Molecular Biology/Genetics |
| MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 446: Techniques in Molecular Biology/Genetics Lab |

| | |
|---|---|
| MIC 470: Bacterial Diversity and Systematics | MIC 379: Medical Bacteriology |
| MIC 484: Internship | MIC 421: Experimental Immunology |
| MIC 485: General Virology | MIC 425: Advanced Immunology |
| | MIC 441: Bacterial Genetics |
| | MIC 442: Bacterial Genetics Laboratory |
| | MIC 470: Bacterial Diversity and Systematics |
| | MIC 485: General Virology |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Microbiology (Medical Microbiology), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAMICMBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • LIA 101, ASU 101, or college-specific First-Year Seminar required of all first-year students.<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement.<br>• Select your Career Interest Communities and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | C | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student organization.<br>• Activate your Handshake account and build out your profile.<br>• Attend a Pre-Health 101 Session.<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) OR BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins | 4 | C | • If MIC 220 and MIC 206 are taken this term, BIO 340 or MBB 347 must be taken the following term.<br>• Students are encouraged to take MBB 347 to satisfy the genetics requirement. MBB 347 is only offered in spring term.<br>• Pre-health students should take CHM 233 and CHM 237 this term. See the pre-health website for more information.<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following term. |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 4 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |

| | | |
|---|---|---|
| Term hours subtotal: | 14 | |

- It is not recommended to take more than two lab courses in a term.
- Attend a Study Abroad 101 Session.
- Explore minors or certificates.

| Term 4 46 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) OR BIO 340: General Genetics or MBB 347: Molecular Genetics: From Genes to Proteins | 4 | C | |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 17 | | |

- If MIC 220 and MIC 206 were taken the previous term, BIO 340 or MBB 347 must be taken this term.
- Students are encouraged to take MBB 347 to satisfy the genetics requirement. MBB 347 is only offered in spring term.
- Pre-health students should take CHM 234 and CHM 238 this term instead of an Elective. See the pre-health website for more information.
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Meet with the Career & Professional Development Center to learn how to develop professional skills.

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 353: Cell Biology | 3 | C | |
| BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory | 4 | C | |
| Upper Division Elective | 4 | | |
| Elective | 4 | | |
| Term hours subtotal: | 15 | | |

- Pre-health students should take PHY 111 and 113 instead of PHY 101 this term. See the pre-health website for more information.
- Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad).

| Term 6 78 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 360: Animal Physiology OR HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H) OR MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society OR MIC 421: Experimental Immunology OR MIC 379: Medical Bacteriology OR MIC 485: General Virology | 2 | C | |
| MIC 420: Immunology: Molecular and Cellular Foundations OR BIO 420: Immunology: Molecular and Cellular Foundations | 3 | | |
| BIO 312: Bioethics (HU) OR BIO 416: Biomedical Research Ethics (L) | 3 | | |
| Microbes or Biomedicine Course | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

- BIO 312 or BIO 416 will satisfy the upper-division Science and Society requirement for The College of Liberal Arts and Sciences.
- Pre-health students should take PHY 112 and 114 instead of an Elective this term. See the pre-health website for more information.
- Courses from the Microbes and Biomedicine groups must include at least one course from each category and at least one lab course.
- Explore graduate school or full-time career opportunities.

| Term 7 92 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | MIC 401: Research Paper (L) | 1 | C |
| | Microbes or Biomedicine Course | 3 | C |
| | Upper Division Literacy and Critical Inquiry (L) | 3 | |
| | *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| | Term hours subtotal: | 13 | |

- MIC 401 requires the completion of an individualized instruction form and meeting with a faculty reader before the semester begins.
- Courses from the Microbes and Biomedicine groups must include one lab course
- Thinking about graduate school? Consider registering for a grad school test prep course.
- Use Handshake to research employment opportunities.
- Meet with your advisor to verify remaining degree requirements have been met prior to Term 8.

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ BIO 360: Animal Physiology OR HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H) OR MIC 314: HIV/AIDS: Science, Behavior, and Society or SSH 314: HIV/AIDS: Science, Behavior, and Society OR MIC 421: Experimental Immunology OR MIC 379: Medical Bacteriology OR MIC 485: General Virology | 3 | C | • Continue to apply for full-time career opportunities or graduate school. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Biomedicine | Microbes |
|---|---|
| ASB 462: Medical Anthropology: Culture and Health (SB & C) | BIO 390: Medical/Dental Field Placement or BIO 484: Internship or MIC 484: Internship |
| BIO 302: Cancer--Mother of All Diseases (L) | BIO 492: Honors Directed Study or MBB 492: Honors Directed Study or MIC 492: Honors Directed Study |
| BIO 343: Genetic Engineering and Society (L) or MBB 343: Genetic Engineering and Society (L) | BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research |
| BIO 345: Evolution | MIC 302: Advanced Bacteriology Laboratory (L) |
| BIO 351: Developmental Biology | MIC 314: HIV/AIDS: Science, Behavior, and Society |
| BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging | MIC 360: Bacterial Physiology |
| MIC 445: Techniques in Molecular Biology/Genetics or MBB 445: Techniques in Molecular Biology/Genetics | |

| | |
|---|---|
| MIC 446: Techniques in Molecular Biology/Genetics Lab or MBB 446: Techniques in Molecular Biology/Genetics Lab | MIC 379: Medical Bacteriology |
| MIC 494: Biotechnology Viruses as Tools or BIO 494: Biotechnology Viruses as Tools | MIC 425: Advanced Immunology |
| MIC 494: Novel Models for Host-Microbe Interactions | MIC 441: Bacterial Genetics |
| | MIC 442: Bacterial Genetics Laboratory |
| | MIC 485: General Virology |
| | MIC 494: Human Pathogenic Viruses |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Molecular Biosciences and Biotechnology, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAMBBBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • LIA 101, ASU 101, or college-specific First-Year Seminar required of all first-year students.<br>• Students transferring General Statistics (STP 226 or PSY 230) will fulfill STP 231 requirement.<br>• Select your Career Interest Communities and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| STP 231: Statistics for Life Science (CS) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Join a student organization.<br>• Activate your Handshake account and build out your profile.<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Attend a Pre-Health 101 Session.<br>• Students transferring Calculus (MAT 270 or MAT 210) will fulfill MAT 251 requirement. |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 32 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MBB 347: Molecular Genetics: From Genes to Proteins | 4 | C | • Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235 this term. See pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester<br>• It is not recommended to take more than two lab courses in a term. |
| CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 4 | C | |
| Science and Society Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session
- Explore minors or certificates

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MBB 343: Genetic Engineering and Society (L) | 4 | C | • Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See the pre-health website for more information<br>• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester<br>• MBB 343 will be used to satisfy the upper-division Science and Society requirement for The College.<br>• Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)<br>• Meet with the Career & Professional Development Center to learn how to develop professional skills |
| MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MBB 484: Internship OR MBB 492: Honors Directed Study OR MBB 495: Undergraduate Research | 3 | C | • Pre-health students should take PHY 111 and PHY 113 instead of PHY 101. See pre-health website for more information.<br>• MBB 484 or MBB 492 or MBB 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own.<br>• Meet with your advisor to discuss ways to maximize your remaining time at ASU (i.e. pre-health; 4+1 Masters Programs; study abroad).<br>• Thinking about graduate school? Consider registering for a grad school test prep course. |
| PHY 101: Introduction to Physics (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MBB 484: Internship OR MBB 492: Honors Directed Study OR MBB 495: Undergraduate Research | 3 | C | • Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See pre-health website for more information.<br>• MBB 484 or MBB 492 or MBB 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own. |
| BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory | 4 | C | |
| Upper Division Elective | 3 | | |
| Elective | 4 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

- Use Handshake to research employment opportunities.

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MBB 490: Capstone: Issues in Biotechnology (L) | 2 | C | • MBB 490 is a fall only course and can be taken before or after MBB 491 in a student's final year.<br>• Explore or apply for full-time career opportunities or graduate school.<br>• Meet with your advisor to verify remaining degree requirements have been met prior to Term 8. |
| Upper Division Major Electives | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 7 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ MBB 491: Capstone: Issues in Molecular Biosciences (L) | 2 | C | • MBB 491 is a spring only course and can be taken before or after MBB 490 in a student's final year.<br>• Continue to apply for full-time career opportunities or graduate school. |
| Upper Division Major Electives | 4 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Major Electives |
|---|
| BIO 308: Plant Physiology |
| BIO 355: Introduction to Computational Molecular Biology (CS) or MAT 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS) |
| BIO 357: Cell and Molecular Biology Laboratory |
| BIO 415: Statistical Models for Biology (CS) |
| BIO 439: Computing for Research |
| BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging |
| MBB 350: Applied Genetics |
| MBB 440: Functional Genomics or BIO 440: Functional Genomics |

| |
|---|
| MBB 445: Techniques in Molecular Biology/Genetics AND MBB 446: Techniques in Molecular Biology/Genetics Lab or MIC 445: Techniques in Molecular Biology/Genetics AND MIC 446: Techniques in Molecular Biology/Genetics Lab |
| MIC 302: Advanced Bacteriology Laboratory (L) |
| MIC 420: Immunology: Molecular and Cellular Foundations or BIO 420: Immunology: Molecular and Cellular Foundations AND MIC 421: Experimental Immunology |
| MIC 441: Bacterial Genetics AND MIC 442: Bacterial Genetics Laboratory |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Neuroscience, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LABMENBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students who test into MAT 251 or MAT 270 should enroll in that course in Term 1.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Join a student club or professional organization. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| NEU 101: Introduction to Neuroscience | 3 | C | |
| BIO 181: General Biology I (SQ) | 4 | C | |
| Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • MAT 251 or MAT 270 may require prerequisites which should be taken in Term 1.<br>• Secure a part-time job or volunteer experience. |
| BIO 182: General Biology II (SG) | 4 | C | |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16-17 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | • Explore an internship.<br>• Pursue research opportunities. |
| NEU 290: Data Science for Neuroscience Majors | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 46 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| Science and Society Elective | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 62 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 360: Animal Physiology | 3 | C | • The College of Liberal Arts and Sciences' Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) major coursework must be completed through courses offered by The College of Liberal Arts and Sciences. |
| NEU 310: Fundamentals of Cognitive Neuroscience | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 77 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 476: Cellular and Molecular Neuroscience | 3 | C | • Use Handshake to research employment opportunities<br>• Draft a resume<br>• Gather professional references |
| *Complete 2 courses:* Upper Division Major Electives | 6 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR NEU 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 92 - 107 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NEU 325: Biopsychology OR BIO 477: Systems and Behavioral Neuroscience | 3 | C | • Apply for graduate school. |
| *Complete 2 courses:* Upper Division Major Electives | 6 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 107 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Major Electives | 6 | C | • Apply for full-time career opportunities. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 4-6 | | |
| Term hours subtotal: | 13-15 | | |

- A total of 18 credit hours is required from the major electives.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Behavioral Neuroscience |
| --- |
| NEU 307: Your Brain on Drugs |
| NEU 394: Neuroscience of Learning and Motivation |
| NEU 494: Anatomy of the Nervous System |
| NEU 494: Behavioral Neuroendocrinology |
| NEU 494: Brain and Emotion |
| NEU 494: Neural Basis of Learning and Memory |
| NEU 494: Neuroeconomics |
| NEU 494: Neuropharmacology of Psychiatric Medications |
| NEU 494: The Social Brain |

| Cellular and Molecular Neuroscience |
| --- |
| BIO 327: Evolution of Human Behavior |
| BIO 331: Animal Behavior |
| BIO 435: Research Techniques in Animal Behavior |
| BIO 436: Sociobiology and Behavioral Ecology |
| BIO 465: Neurophysiology |
| BIO 494: Genetics and Genomics of Behavior |
| BIO 494: Neurobiology of Attachment |
| BIO 498: Neural Development |
| NEU 494: Biotechnology Viruses as Tools or BIO 494: Biotechnology Viruses as Tools |

| Cognitive Neuroscience |
| --- |
| NEU 394: Language and the Brain |
| NEU 394: Neuroimaging Methods |
| NEU 394: Neuroscience of Perception |
| NEU 494: Cognitive Neuroscience of Memory |
| NEU 494: Neuroscience of Social Cognition |
| NEU 494: Themes in Cognitive Neuroscience |
| NEU 494: Visual Cognitive Neuroscience |
| SHS 367: Language Science (SB) |
| SHS 485: Acquired Speech and Language Disorders |
| SHS 494: Health Neuroscience |

| Systems and Computational Neuroscience |
| --- |
| BIO 355: Introduction to Computational Molecular Biology (CS) |
| BIO 439: Computing for Research |
| BIO 494: Data Analysis in Neuroscience |
| BME 316: Biomechanics for Biomedical Engineers |
| BME 350: Signals and Systems for Bioengineers |
| BME 360: Control in Biological Systems |
| BME 416: Advanced Biomechanics |
| BME 465: Magnetic Resonance Imaging |
| KIN 424: Neural Aspects of Movement and Rehabilitation |
| MAT 451: Mathematical Modeling (CS) |
| MAT 494: Mathematical Neuroscience |
| SHS 310: Anatomical and Physiological Bases of Speech |
| SHS 311: Hearing Science |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Neuroscience, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LABMENBS

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-LA: The ASU Experience | 1 | | |
| BIO 181: General Biology I (SQ) | 4 | C | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NEU 101: Introduction to Neuroscience | 3 | C | • Students who test into MAT 251 or MAT 270 should enroll in that course in Term 1.<br>• View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Join a student club or professional organization. |
| Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 14 - 21 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| BIO 182: General Biology II (SG) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 21 - 27 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA) | 3 | C | • MAT 251 or MAT 270 may require prerequisites which should be taken in Term 1.<br>• Participate in a volunteer experience. |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 27 - 34 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 113: General Chemistry I (SQ) | 4 | C | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | • Take advantage of online tutoring resources. |
| Term hours subtotal: | 7 | |

| Term 3 - B 34 - 40 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NEU 290: Data Science for Neuroscience Majors | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 40 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| Science and Society Elective | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 47 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Participate in an internship |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 53 - 59 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NEU 310: Fundamentals of Cognitive Neuroscience | 3 | C | • The College of Liberal Arts and Sciences' Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) track coursework must be completed through courses offered by The College of Liberal Arts and Sciences. |
| Upper Division Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 59 - 65 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 360: Animal Physiology | 3 | C | • A total of 18 credit hours is required from the major electives.<br>• Take advantage of career resources. |
| Upper Division Major Electives | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 65 - 71 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 476: Cellular and Molecular Neuroscience | 3 | C | • Draft a resume |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 71 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NEU 325: Biopsychology OR BIO 477: Systems and Behavioral Neuroscience | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 7 - A 77 - 83 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Major Electives | 3 | C | • Use Handshake to research employment opportunities |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 83 - 89 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 89 - 95 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Upper Division Major Electives | 6 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 95 - 101 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | • Gather professional references |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 101 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Major Electives | 3 | C | • Apply for graduate school |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 107 - 113 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 113 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Major Electives | 3 | C | • Apply for full-time career opportunities |
| Elective | 4 | | |
| Term hours subtotal: | 7 | | |

- 
  - A total of 18 credit hours is required from the major electives.
  - All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be

upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Behavioral Neuroscience |
| --- |
| NEU 307: Your Brain on Drugs |
| NEU 394: Neuroscience of Learning and Motivation |
| NEU 494: Anatomy of the Nervous System |
| NEU 494: Brain and Emotion |

| Cellular and Molecular Neuroscience |
| --- |
| BIO 331: Animal Behavior |

| Cognitive Neuroscience |
| --- |
| NEU 394: Language and the Brain |
| NEU 394: Neuroimaging Methods |
| NEU 394: Neuroscience of Perception |
| NEU 494: Cognitive Neuroscience of Memory |
| SHS 367: Language Science (SB) |
| SHS 485: Acquired Speech and Language Disorders |

| Systems and Computational Neuroscience |
| --- |
| BIO 439: Computing for Research |
| SHS 310: Anatomical and Physiological Bases of Speech |
| SHS 311: Hearing Science |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Philosophy, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPHIBA

**Accelerated options for this program are not currently available to ASU Online students.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.<br>• Select your Career Interest Communities and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| PHI Elective | 3 | C | |
| Elective | 2 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization.<br>• If interested in law school, review the Pre-Law at ASU website. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if the G requirement has not already been satisfied through other coursework. |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |

| | | | |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | • Explore opportunities to study abroad. |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 103: Principles of Sound Reasoning (L or HU) | 3 | C | • Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.<br>• Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.<br>• If interested in law school, make an appointment with the pre-law advisor. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 300: Philosophical Argument and Exposition (L) | 3 | C | • History of Philosophy course is selected from list at bottom of map.<br>• Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.<br>• Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied with major courses.<br>• Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor. |
| Upper Division History of Philosophy | 3 | C | |
| Upper Division Elective OR PHI 484: Internship | 3 | | |
| Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 333: Symbolic Logic OR PHI 413: Advanced Symbolic Logic | 3 | C | • History of Philosophy course is selected from list at bottom of map.<br>• Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab.<br>• Explore graduate school opportunities.<br>• If planning to attend law school, prepare to take the LSAT. |
| Upper Division History of Philosophy AND Humanities, Arts and Design (HU) | 3 | C | |
| PHI 313: Probability, Evidence, and Decision OR PHI 314: Philosophy of Science (HU) OR PHI 330: Theory of Knowledge (HU) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Philosophy Capstone Course | 3 | C | |

| | | | |
|---|---|---|---|
| PHI 335: History of Ethics (HU) OR PHI 336: Social and Political Philosophy (HU) OR PHI 337: Ethical Theory (HU) OR PHI 338: Metaethics | 3 | C | • Philosophy Capstone Course is chosen from list at bottom of map.<br>• Use Handshake to research employment opportunities.<br>• Attend career fairs, workshops and related events offered by Career and Professional Development Services. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHI 331: Philosophy of Language (HU) OR PHI 332: Metaphysics (HU) OR PHI 334: Philosophy of Mind (HU) | 3 | C | • Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.<br>• Apply for full-time career opportunities. |
| ★ Philosophy Capstone Course | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

- 
  - At least 12 upper-division hours in the major (PHI) must be in courses offered by The College of Liberal Arts and Sciences.
  - PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

Hide Course List(s)/Track Group(s)

| History of Philosophy |
|---|
| PHI 304: Existentialism (HU) |
| PHI 328: History of Ancient Philosophy (HU & H) |
| PHI 329: History of Modern Philosophy (HU & H) |
| PHI 401: Rationalism |
| PHI 402: Empiricism (HU) |
| PHI 403: Contemporary Analytic Philosophy (HU) |

| Philosophy Capstone Course |
|---|
| PHI 401: Rationalism |
| PHI 402: Empiricism (HU) |
| PHI 403: Contemporary Analytic Philosophy (HU) |
| PHI 405: Moral Psychology |
| PHI 408: Feminist Ethics (HU) |
| PHI 413: Advanced Symbolic Logic |
| PHI 420: Topics in Philosophy |
| PHI 452: Philosophy of Biology and Medicine |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Philosophy, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAPHIBA

**Accelerated options for this program are not currently available to ASU Online students.**

| Term 1 - A 0 - 6 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| Elective | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 1 - B 6 - 12 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| PHI Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 12 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 19 - 26 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • If interested in law school, review the Pre-Law at ASU website. |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 33 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Term hours subtotal: | 7 | |

| Term 3 - B 33 - 40 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness (G) is recommended if the G requirement has not already been satisfied through other coursework.<br>• Explore opportunities to study abroad. Online students are eligible and encouraged to participate! |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 40 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 103: Principles of Sound Reasoning (L or HU) | 3 | C | • Explore the Career and Professional Development Services website and arrange a virtual advising session with a career counselor for assistance with career planning and networking.<br>• If interested in law school, make an appointment with the pre-law advisor. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 47 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | • Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 53 - 59 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 300: Philosophical Argument and Exposition (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 59 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division History of Philosophy | 3 | C | • History of Philosophy course is chosen from list at bottom of map.<br>• Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, contact an academic advisor. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 66 - 72 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division History of Philosophy AND Humanities, Arts and Design (HU) | 3 | C | • History of Philosophy course is chosen from list at bottom of map. |
| Historical Awareness (H) | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies.
- If Historical Awareness (H) is already being satisfied by PHI 328, PHI 329, or another course, choose an elective instead.

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 314: Philosophy of Science (HU) OR PHI 330: Theory of Knowledge (HU) | 3 | C | • If planning on law school, prepare to take the LSAT. |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHI 333: Symbolic Logic | 3 | C | • Explore graduate school opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHI 335: History of Ethics (HU) OR PHI 336: Social and Political Philosophy (HU) OR PHI 337: Ethical Theory (HU) OR PHI 338: Metaethics | 3 | C | • View career webinars offered by Career and Professional Development Services. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | • Use Handshake to research employment opportunities. |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHI 332: Metaphysics (HU) OR PHI 334: Philosophy of Mind (HU) | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Philosophy Capstone Course | 3 | C | • Capstone course is chosen from list at bottom of map.<br>• Capstone option PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* | | | |

| | | | |
|---|---|---|---|
| Upper Division Elective | 6 | | • Take advantage of mock interview opportunities and assistance with writing resumes and cover letters. |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Philosophy Capstone Course | 3 | C | • Capstone course is chosen from list at bottom of map.<br>• Capstone option PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different..<br>• Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- At least 12 upper-division hours in the major (PHI) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

| History of Philosophy | Philosophy Capstone Course |
|---|---|
| PHI 304: Existentialism (HU) | PHI 403: Contemporary Analytic Philosophy (HU) |
| PHI 328: History of Ancient Philosophy (HU & H) | PHI 420: Topics in Philosophy |
| PHI 329: History of Modern Philosophy (HU & H) | |
| PHI 403: Contemporary Analytic Philosophy (HU) | |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

**Total College Residency Hrs:** 12 minimum

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Philosophy (Morality, Politics and Law), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPHIMPBA

**Accelerated options for this program are not currently available to ASU Online students.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.<br>• Select your Career Interest Communities and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 2 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • If planning to take PHI 333: Symbolic Logic in a later semester, take PHI 103, the prerequisite for PHI 333.<br>• Explore opportunities to study abroad. |
| PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.<br>• If interested in law school, review the Pre-Law at ASU website.<br>• Join a student club or professional organization. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| **Term 4 46 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • If interested in law school, make an appointment with the pre-law advisor.<br>• Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHI 300: Philosophical Argument and Exposition (L) | 3 | C | • History of Philosophy course is selected from list at bottom of map.<br>• Politics course is selected from list at bottom of map.<br>• Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor. |
| Upper Division History of Philosophy | 3 | C | |
| Politics Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHI 335: History of Ethics (HU) OR PHI 337: Ethical Theory (HU) | 3 | C | • Epistemology, Metaphysics or Logic Course selected from list at bottom of map.<br>• Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab.<br>• If planning on law school, prepare to take the LSAT.<br>• Explore graduate school opportunities.<br>• If Humanities, Arts and Design (HU) and Historical Awareness (H) requirements have already been satisfied through major courses, choose an elective instead. |
| Upper Division Epistemology, Metaphysics, or Logic Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| | | **Minimum** | |
|---|---|---|---|

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ PHI 307: Philosophy of Law (HU) OR PHI 347: Philosophical Theories of Constitutional Law | 3 | C | • Philosophy Capstone Course selected from list at bottom of map.<br>• Ethics course selected from list at bottom of map.<br>• Use Handshake to research employment opportunities.<br>• Attend career fairs, workshops and related events offered by Career and Professional Development Services. |
| ★ Philosophy Capstone Course | 3 | C | |
| Upper Division Ethics Course | 3 | C | |
| Upper Division Elective OR PHI 484: Internship | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Philosophy Capstone Course | 3 | C | • Philosophy Capstone course selected from list at bottom of map.<br>• Law course selected from list at bottom of map.<br>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.<br>• Apply for full-time career opportunities. |
| ★ Upper Division Law Course | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

- PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

Hide Course List(s)/Track Group(s)

| History of Philosophy | Epistemology, Metaphysics, or Logic | Ethics |
|---|---|---|
| PHI 304: Existentialism (HU) | PHI 330: Theory of Knowledge (HU) | PHI 306: Applied Ethics (HU) |
| PHI 328: History of Ancient Philosophy (HU & H) | PHI 331: Philosophy of Language (HU) | PHI 310: Environmental Ethics (HU) |
| PHI 329: History of Modern Philosophy (HU & H) | PHI 332: Metaphysics (HU) | PHI 320: Bioethics (HU) |
| PHI 401: Rationalism | PHI 333: Symbolic Logic | PHI 335: History of Ethics (HU) |
| PHI 402: Empiricism (HU) | PHI 334: Philosophy of Mind (HU) | PHI 337: Ethical Theory (HU) |
| PHI 403: Contemporary Analytic Philosophy (HU) | | PHI 338: Metaethics |
| | | PHI 370: Sports Ethics (HU) |
| | | PHI 405: Moral Psychology |
| | | PHI 408: Feminist Ethics (HU) |
| | | REL 381: Religion and Moral Issues (L or HU) |

| Law | Politics | Philosophy Capstone Course |
|---|---|---|
| HST 321: Constitutional History/US to 1865 (SB & H) | HST 315: Political History of the U. S. (SB & H) | PHI 401: Rationalism |
| HST 322: Constitutional History of the United States Since 1865 (H) | HST 317: History of Postwar U.S. Conservatism or POS 317: History of Postwar U.S. Conservatism | PHI 402: Empiricism (HU) |
| | | PHI 403: Contemporary Analytic Philosophy (HU) |

HST 323: Historical Studies in Race, Crime, and the Law

JUS 303: Justice Theory (L)

JUS 308: Courts and Society

JUS 360: Law and Social Control (SB)

JUS 410: Punishment: Logic and Approach

JUS 463: Discretionary Justice (SB)

JUS 465: Death Penalty in the United States (L)

PHI 307: Philosophy of Law (HU)

PHI 347: Philosophical Theories of Constitutional Law

POS 370: Law and Society (SB)

POS 465: International Organization and Law (SB & G)

POS 470: Law and the Political Order (SB)

POS 471: Constitutional Law I (SB)

POS 472: Constitutional Law II (SB)

HST 414: Political History and Leadership or POS 414: Political History and Leadership

PHI 336: Social and Political Philosophy (HU)

POS 210: Political Ideologies (SB)

POS 340: History of Political Philosophy I (HU & H)

POS 341: History of Political Philosophy II (HU & H)

POS 346: Problems of Democracy (HU)

POS 368: Ethics and Human Rights

POS 442: American Political Thought (HU)

REL 319: Religion, Violence and America

REL 378: Religion, War and Peace (L)

REL 388: Religion, Ethics, and International Politics or POS 388: Religion, Ethics, and International Politics

PHI 405: Moral Psychology

PHI 408: Feminist Ethics (HU)

PHI 413: Advanced Symbolic Logic

PHI 420: Topics in Philosophy

PHI 452: Philosophy of Biology and Medicine

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Philosophy (Morality, Politics and Law), BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAPHIMPBA

**Accelerated options for this program are not currently available to ASU Online students.**

| **Term 1 - A 0 - 6 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| Elective | 2 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| **Term 1 - B 6 - 12 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • Taking a Social-Behavioral Sciences (SB) course that also satisfies Global Awareness (G) is suggested.<br>• View ASU Online first-year student registration information here. |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 2 - A 12 - 19 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 7 | | |

| **Term 2 - B 19 - 26 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU) | 3 | C | • If planning to take PHI 333 Symbolic Logic in a later semester, take PHI 103, the prerequisite for PHI 333.<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |

| | | |
|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | |
| Term hours subtotal: | 7 | |

second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.

- If interested in law school, review the Pre-Law at ASU website.

| Term 3 - A 26 - 33 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 33 - 40 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.<br>• Explore opportunities to study abroad. Online students are eligible and encouraged to participate! |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 40 - 47 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Explore the Career and Professional Development Services website and arrange a virtual advising session with a career counselor for assistance with career planning and networking.<br>• If interested in law school, make an appointment with the pre-law advisor. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 47 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 54 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 300: Philosophical Argument and Exposition (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ Upper Division History of Philosophy | 3 | C | • Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies.<br>• If Historical Awareness (H) is already being satisfied by PHI 328, PHI 329, or another course, choose an elective instead. |
| Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 66 - 72 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHI 335: History of Ethics (HU) OR PHI 337: Ethical Theory (HU) | 3 | C | • Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, contact an academic advisor. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Epistemology, Metaphysics or Logic Course | 3 | C | • Epistemology, Metaphysics or Logic course is chosen from list at bottom of map.<br>• If planning on law school, prepare to take the LSAT. |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Politics Course | 3 | C | • Politics course selected from list at bottom of map.<br>• Explore graduate school opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHI 307: Philosophy of Law (HU) | 3 | C | • View career webinars offered by Career and Professional Development Services. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Philosophy Capstone Course | 3 | C | • Capstone course chosen from list at bottom of map.<br>• Capstone option PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Law Course | 3 | C | • Law course selected from list at bottom of map. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Ethics Course | 3 | C | |

| | | |
|---|---|---|
| Elective | 3 | |
| Term hours subtotal: | 6 | |

- Ethics course selected from list at bottom of map.
- Use Handshake to research employment opportunities.

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | • Take advantage of mock interview opportunities and assistance with writing resumes and cover letters. |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Philosophy Capstone Course | 3 | C | • Capstone course chosen from list at bottom of map.<br>• Capstone option PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.<br>• Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

| History of Philosophy | Epistemology, Metaphysics or Logic Course | Ethics |
|---|---|---|
| PHI 304: Existentialism (HU) | PHI 330: Theory of Knowledge (HU) | PHI 306: Applied Ethics (HU) |
| PHI 328: History of Ancient Philosophy (HU & H) | PHI 332: Metaphysics (HU) | PHI 310: Environmental Ethics (HU) |
| PHI 329: History of Modern Philosophy (HU & H) | PHI 333: Symbolic Logic | PHI 320: Bioethics (HU) |
| PHI 403: Contemporary Analytic Philosophy (HU) | PHI 334: Philosophy of Mind (HU) | PHI 335: History of Ethics (HU) |
| | | PHI 337: Ethical Theory (HU) |
| | | PHI 338: Metaethics |
| | | PHI 370: Sports Ethics (HU) |
| | | REL 381: Religion and Moral Issues (L or HU) |

| Law | Politics | Philosophy Capstone Course |
|---|---|---|
| JUS 303: Justice Theory (L) | PHI 336: Social and Political Philosophy (HU) | PHI 403: Contemporary Analytic Philosophy (HU) |
| JUS 308: Courts and Society | POS 210: Political Ideologies (SB) | PHI 420: Topics in Philosophy |
| JUS 360: Law and Social Control (SB) | POS 340: History of Political Philosophy I (HU & H) | |
| POS 370: Law and Society (SB) | POS 346: Problems of Democracy (HU) | |
| POS 465: International Organization and Law (SB & G) | POS 368: Ethics and Human Rights | |
| POS 471: Constitutional Law I (SB) | POS 442: American Political Thought (HU) | |

| | |
|---|---|
| POS 472: Constitutional Law II (SB) | REL 388: Religion, Ethics, and International Politics or POS 388: Religion, Ethics, and International Politics |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Philosophy (Science, Nature and Mind), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPHISNMBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.<br>• Select your Career Interest Communities and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Explore opportunities to study abroad.<br>• Join a student club or professional organization.<br>• Activate your Handshake account and build out your profile.<br>• If interested in a health career, attend a Pre-Health 101 workshop. |
| PHI 103: Principles of Sound Reasoning (L or HU) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | • Choosing a Humanities (HU) course that also satisfies the Historical Awareness (H) requirement is recommended. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Elective | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | |
| Term hours subtotal: | 16 | |

- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.
- If interested in a health career, review the Pre-Health website.
- If interested in law school, review the Pre-Law website.
- If planning on a health career, choose electives that satisfy medical or dental school requirements for admission.

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

- Choosing a Social Behavioral Sciences (SB) course that also satisfies the Global Awareness (G) requirement is recommended if these requirements have not already been satisfied.
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
- If interested in a health career, make an appointment with a pre-health advisor.
- If interested in law school, make an appointment with the pre-law advisor.

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 300: Philosophical Argument and Exposition (L) | 3 | C | |
| PHI 314: Philosophy of Science (HU) | 3 | C | |
| Upper Division History of Philosophy Course | 3 | C | |
| Upper Division Elective OR PHI 484: Internship | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- History of Philosophy course selected from list at bottom of map.
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.
- If planning on a health career, prepare to take entrance exams for professional school.

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 333: Symbolic Logic OR PHI 413: Advanced Symbolic Logic | 3 | C | |
| PHI 334: Philosophy of Mind (HU) | 3 | C | |
| Mind Course OR Science and Nature Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

- Select "Mind" or "Science and Nature" course from list at bottom of map.
- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab.
- If planning on law school, prepare to take the LSAT.
- Thinking about graduate school? Consider registering for a grad school test prep course.

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Philosophy Capstone Course | 3 | C | |

| | | |
|---|---|---|
| Upper Division Science and Nature Course | 3 | C |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | |
| Term hours subtotal: | 15 | |

- Philosophy Capstone course selected from list at bottom of map.
- Select "Science and Nature" course from list at bottom of map.
- Use Handshake to research employment opportunities.
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.

| **Term 8 105 - 120 Credit Hours Necessary course signified by** ★ | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Philosophy Capstone Course | 3 | C | • Philosophy Capstone course selected from list at bottom of map.<br>"Mind" course selected from list at bottom of map.<br>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.<br>• Apply for full-time career opportunities. |
| Upper Division Mind Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

Hide Course List(s)/Track Group(s)

| History of Philosophy | Mind | Science and Nature |
|---|---|---|
| PHI 304: Existentialism (HU) | IAS 410: Evolution of Ideas (L or HU) | FIS 331: Technology and the Modern World |
| PHI 328: History of Ancient Philosophy (HU & H) | PHI 313: Probability, Evidence, and Decision or HPS 313: Probability, Evidence, and Decision | HPS 322: History of Science I (HU & H) or BIO 328: History of Science I (HU & H) |
| PHI 329: History of Modern Philosophy (HU & H) | PHI 319: Philosophy, Computing and Artificial Intelligence (CS) | HPS 323: History of Science II (HU & H) or BIO 317: History of Science II (HU & H) |
| PHI 401: Rationalism | PHI 330: Theory of Knowledge (HU) | HPS 331: History of Medicine (HU & H) or BIO 318: History of Medicine (HU & H) |
| PHI 402: Empiricism (HU) | PHI 331: Philosophy of Language (HU) | HPS 349: Nature, Sustainability and Religion or JST 349: Nature, Sustainability and Religion or REL 349: Nature, Sustainability and Religion or SOS 349: Nature, Sustainability and Religion |
| PHI 403: Contemporary Analytic Philosophy (HU) | PHI 405: Moral Psychology | HST 345: Environmental History (L) |
| | PSY 224: Introduction to Cognitive Neuroscience | MAT 411: History and Philosophy of Mathematics (HU & H) |
| | PSY 323: Sensation and Perception | PHI 310: Environmental Ethics (HU) or BIO 324: Environmental Ethics (HU) |
| | PSY 324: Memory and Cognition | PHI 320: Bioethics (HU) or BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU) |
| | PSY 341: Developmental Psychology (SB) | |
| | PSY 434: Cognitive Psychology (L) | |

| |
|---|
| PHI 322: History and Philosophy of Sustainability or HST 308: History and Philosophy of Sustainability or SOS 309: History and Philosophy of Sustainability |
| PHI 325: Philosophy of Social Science (HU or SB) |
| PHI 332: Metaphysics (HU) |
| PHI 409: Eco-Community Ethics (HU) or IAS 409: Eco-Community Ethics (HU) |
| SOC 334: Technology and Society (L or SB) or ASB 344: Technology and Society (L or SB) |
| SOS 310: Equity, Justice and Sustainability |
| STS 302: Philosophy of Science and Technology (SB) |
| STS 303: History of Science and Technology (H) |
| STS 306: Social Effects of Science and Technology (SB) |
| STS 331: Ethical Issues in Science and Technology (SB) |
| WST 340: Gender, Science, and Technology (SB) |

| Philosophy Capstone Course |
|---|
| PHI 401: Rationalism |
| PHI 402: Empiricism (HU) |
| PHI 403: Contemporary Analytic Philosophy (HU) |
| PHI 405: Moral Psychology |
| PHI 408: Feminist Ethics (HU) |
| PHI 413: Advanced Symbolic Logic |
| PHI 420: Topics in Philosophy |
| PHI 452: Philosophy of Biology and Medicine |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Physics, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPHYBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) | 3-4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• CHM 114 may be taken in place of CHM 113.<br>• Select your career interest communities and play me3@ASU. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14-15 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) | 3-4 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Join a student club or professional organization. |
| PHY 150: Physics I (SQ) OR PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14-15 | | |

| Term 3 28 - 42 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA) | 3-4 | C | • Look into internship opportunities. |

| | | |
|---|---|---|
| PHY 151: Physics II (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14-15 | |

| **Term 4 42 - 59 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C | • Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking. |
| PHY 252: Physics III (SQ) OR PHY 241: University Physics III AND PHY 202: Programming for Physicists | 4 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 17 | | |

| **Term 5 59 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 302: Mathematical Methods in Physics II | 3 | C | • Develop your online professional presence. |
| PHY 310: Classical Particles, Fields, and Matter I | 3 | C | |
| PHY 314: Quantum Physics I | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| PHY 311: Classical Particles, Fields, and Matter II | 3 | C | • Complete a practice interview. |
| Upper Division Physics Elective | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR PHY 484: Internship | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Upper Division Physics Elective | 3 | C | |

*Complete 4 courses:*

| | | |
|---|---|---|
| Upper Division Elective | 12 | |
| Term hours subtotal: | 15 | |

- Courses other than those in the track list below must be approved by the Department of Physics academic advisor.
- Meet with your academic advisor for a final degree check before registering for your final semester.
- Use Handshake to view career postings.

| **Term 8 105 - 120 Credit Hours Necessary course signified by** ★ | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Literacy and Critical Inquiry (L) | 3 | | • Apply for graduation.<br>• Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Upper Division Physics Elective |
|---|
| PHY 315: Quantum Physics II |
| PHY 333: Electronic Circuits and Measurements |
| PHY 334: Advanced Laboratory I (L) |
| PHY 361: Introductory Modern Physics |
| PHY 432: Computational Methods in Physics |
| PHY 452: Physical Optics |
| PHY 462: Particle and Nuclear Physics |
| PHY 480: Methods of Teaching Physics |
| PHY 481: Materials Physics I |
| PHY 494: Special Topics |
| PHY 495: Project Research |
| PHY 498: Pro-Seminar |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Physics, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAPHYBA

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• Select your career interest area and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • ASU Language Placement: Only those students with no experience with the language may take a 101-level course. All other students are required to take a language placement exam, regardless of prior credit earned.<br>• Join a student club or professional organization. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Maintain 2.00 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 8 |

| Term 3 - A 28 - 35 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C | • Review the Career Guide for ASU Online students to learn about available career planning resources. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 35 - 43 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 8 | | |

| Term 4 - A 43 - 50 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 241: University Physics III AND PHY 202: Programming for Physicists | 4 | C | • Register for a Handshake account and participate in virtual career advising. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 50 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 59 - 68 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 302: Mathematical Methods in Physics II | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 68 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 314: Quantum Physics I | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 74 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 310: Classical Particles, Fields, and Matter I | 3 | C | • Develop your professional online presence<br>• CHM 114 may be taken in place of CHM 113 |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHY 311: Classical Particles, Fields, and Matter II | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) ( PHY 334 recommended) | 3 | | |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Physics Elective | 3 | C | • Complete practice interview. |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Physics Elective | 3 | C | • Apply for graduation. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:* Upper Division Elective | 9 | | • Apply for full-time positions. |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

Upper Division Physics Electives

- PHY 315: Quantum Physics II
- PHY 333: Electronic Circuits and Measurements
- PHY 334: Advanced Laboratory I (L)
- PHY 361: Introductory Modern Physics
- PHY 394: Intro to Research Technique

**Notes:**

-

    - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Physics, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPHYBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) | 4-3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• MAT 270 is recommended.<br>• Select your career interest area and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14-13 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) | 4-3 | C | • MAT 271 is recommended<br>• PHY 150 is recommended<br>• Join a student club or professional organization |
| PHY 150: Physics I (SQ) OR PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 2 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16-15 | | |

| Term 3 30 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA) | 4-3 | C | • MAT 272 is recommended<br>• PHY 151 is recommended<br>• Take a look at internship or research opportunities |
| PHY 151: Physics II (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |

| | | |
|---|---|---|
| Science and Society Elective | 3 | C |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Elective | 3 | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 17-16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C | • PHY 252 is recommended.<br>• Activate your Handshake account and build out your profile. |
| PHY 252: Physics III (SQ) OR PHY 241: University Physics III AND PHY 202: Programming for Physicists | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 302: Mathematical Methods in Physics II | 3 | C | • Prepare for a career or graduate school.<br>• Create a first draft resume. |
| PHY 310: Classical Particles, Fields, and Matter I | 3 | C | |
| PHY 314: Quantum Physics I | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 311: Classical Particles, Fields, and Matter II | 3 | C | • Explore graduate programs<br>• Prepare for graduate school exams |
| PHY 315: Quantum Physics II | 3 | C | |
| PHY 334: Advanced Laboratory I (L) | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Elective OR PHY 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 412: Classical Particles, Fields, and Matter III OR PHY 416: Quantum Physics III | 3 | C | • Develop your professional online presence.<br>• Submit graduate school applications. |
| PHY 441: Statistical and Thermal Physics | 3 | C | |
| PHY 333: Electronic Circuits and Measurements OR PHY 465: Advanced Laboratory II | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHY Upper Division Elective | 3 | C | • Apply for full-time careers |
| *Complete 3 courses:* Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Physics, BS

School/College: The College of Liberal Arts and Sciences
Location: Online ASU Local
LAPHYBS

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• Select your career interest area and play me3@ASU. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 265: Calculus for Engineers I (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 266: Calculus for Engineers II (MA) | 3 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 2 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 28 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAT 267: Calculus for Engineers III (MA) | 3 | C |
| Science and Society Elective | 3 | C |
| Elective | 3 | |
| Term hours subtotal: | 9 | |

- Review the Career Guide for ASU Online students to learn about available career planning resources.

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 241: University Physics III AND PHY 202: Programming for Physicists | 4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 7 | | |

- Register for a Handshake account and participate in virtual career advising.

| Term 4 - B 51 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Maintain 2.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 302: Mathematical Methods in Physics II | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

- Research career outlooks.

| Term 5 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 314: Quantum Physics I | 3 | C | |
| PHY 334: Advanced Laboratory I (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 310: Classical Particles, Fields, and Matter I | 3 | C | |
| PHY 315: Quantum Physics II | 3 | C | |
| Term hours subtotal: | 6 | | |

- Develop your professional online presence.

| Term 6 - B 81 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHY 311: Classical Particles, Fields, and Matter II | 3 | C | |

| | | | |
|---|---|---|---|
| | Upper Division Science and Society Elective | 3 | C |
| | Upper Division Elective OR PHY 484: Internship | 3 | |
| ★ | Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| | Term hours subtotal: | 9 | |

| Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHY 441: Statistical and Thermal Physics | 3 | C | • Create a resume<br>• Complete a virtual practice interview |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHY 412: Classical Particles, Fields, and Matter III | 3 | C | |
| PHY 333: Electronic Circuits and Measurements OR PHY 465: Advanced Laboratory II | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PHY Upper Division Elective | 3 | C | • Apply for graduation |
| *Complete 2 courses:* Elective | 6 | | • Apply for full-time career opportunities |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 6 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Political Science, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPOSBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required for all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | • Join a student club or professional organization.<br>• Create a first draft resume.<br>• Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Area Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 210: Political Ideologies (SB) | 3 | C | • A study abroad experience enhances cross-cultural awareness and may expand career opportunities.<br>• Develop your skills. |
| Related Area Course | 3 | C | |

| | | |
|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS Elective | 3 | C | • Explore an internship. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 301: Empirical Political Inquiry (SB) | 3 | C | • Thinking about graduate school? Consider registering for a grad school test prep course.<br>• Maximum of six hours of POS 484 and three hours of POS 499 (Individualized Instruction) may be applied toward the major. |
| POS Upper Division Elective | 3 | C | |
| POS Elective | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective OR POS 484: Internship | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 6 76 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS Upper Division Elective | 3 | C | • Complete an in person or virtual practice interview. |
| *Complete 2 courses:*<br>Related Area Course | 6 | C | |
| Upper Division Elective | 3 | | |
| Elective | 2 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS Upper Division Elective | 3 | C | • Gather professional references. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| ★ POS Upper Division Elective | | 3 | C | • Apply for full-time career opportunities. |
| *Complete 4 courses:*<br>Upper Division Elective | | 12 | | |
| | Term hours subtotal: | 15 | | |

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following subjects may be used.
- Maximum of six hours of POS 484 and three hours of POS 499 (Individualized Instruction) may be applied toward the major.

Hide Course List(s)/Track Group(s)

| Related Area Course |
|---|
| AES OR AFR OR AIS OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR GPH OR HST OR JUS OR MIS OR PHI OR PSY OR REL OR SGS OR SOC OR TCL OR WST Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Political Science, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAPOSBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | • ASU 101 or college-specific First-Year Seminar is required for all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 12 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Activate your Handshake account and build out your profile. |
| Elective | 2 | | |
| Term hours subtotal: | 5 | | |

| Term 2 - A 12 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned.<br>• Join a student club or professional organization. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* French, Italian, German, Spanish and Vietnamese are available online. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • Create a first draft resume. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* French, Italian, German, Spanish and Vietnamese are available online. | 4 | C | |

| | | |
|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 7 | |

| Term 3 - A 26 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 210: Political Ideologies (SB) | 3 | C | • Develop your skills. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* French, Italian, German, Spanish and Vietnamese are available online. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 33 - 40 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;<br>* French, Italian, German, Spanish and Vietnamese are available online. | 4 | C | • A study abroad experience enhances cross-cultural awareness and may expand career opportunities. |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 40 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS Elective | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 46 - 53 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Courses | 3 | C | • Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.<br>• Explore an internship. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 53 - 59 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 301: Empirical Political Inquiry (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 59 - 65 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Courses | 3 | C | • Thinking about graduate school? Consider registering for a grad school test prep course . |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 65 - 72 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| POS Elective | 3 | C |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Term hours subtotal: | 7 | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Courses | 3 | C | • Complete an in person or virtual practice interview. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POS Upper Division Elective | 3 | C | • Maximum of six hours of POS 484 and three hours of POS 499 (Individualized Instruction) may be applied toward the major. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Courses | 3 | C | • Gather professional references. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POS Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | • Apply for full-time career opportunities |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POS Upper Division Elective | 3 | C | |

| | |
|---|---|
| Upper Division Elective | 3 |
| Term hours subtotal: | 6 |

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following subjects may be used.
- Maximum of six hours of POS 484 and three hours of POS 499 (Individualized Instruction) may be applied toward the major.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| AFR OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR GPH OR HST OR JUS OR PHI OR PSY OR REL OR SGS OR SOC OR WST Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Political Science, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPOSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required for all first-year students.<br>• Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Related Area Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | • Join a student club or professional organization.<br>• Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Related Area Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 210: Political Ideologies (SB) | 3 | C | • A study abroad experience enhances cross-cultural awareness and may expand career opportunities.<br>• Develop your skills. |
| Related Area Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>POS Elective | 6 | C | • Explore an internship. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete Natural Science - Quantitative (SQ) course. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 301: Empirical Political Inquiry (SB) | 3 | C | • Maximum of six hours of POS 484 and three hours of POS 499 (Individualized Instruction) may be applied toward the major.<br>• The Science and Society course list and more information about the requirement can be found here.<br>• Thinking about graduate school? Consider registering for a grad school test prep course. |
| Related Area Course | 3 | C | |
| Science and Society Elective | 3 | C | |
| POS Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 401: Political Statistics (CS) | 3 | C | • Complete an in person or virtual practice interview. |
| *Complete 2 courses:*<br>POS Upper Division Elective | 6 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Elective OR POS 484: Internship | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS Upper Division Elective | 3 | C | • Gather professional references. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS Upper Division Elective | 3 | C | • Apply for full-time career opportunities. |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following subjects may be used.
- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Maximum of six hours of POS 484 and three hours of POS 499 (Individualized Instruction) may be applied toward the major.

Hide Course List(s)/Track Group(s)

| Related Area Course |
| --- |
| AES OR AFR OR AIS OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR GPH OR HST OR JUS OR MIS OR PHI OR PSY OR REL OR SGS OR SOC OR TCL OR WST Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Political Science, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LAPOSBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Activate your Handshake account and build out your profile. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | • Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | • Create a first draft resume. |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 210: Political Ideologies (SB) | 3 | C | • Develop your skills. |

| | | |
|---|---|---|
| Elective | 3 | |
| Term hours subtotal: | 6 | |

| Term 3 - B 31 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS Elective | 3 | C | • A study abroad experience enhances cross-cultural awareness and may expand career opportunities. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 44 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | • The Science and Society course list and more information about the requirement can be found here. |
| POS Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | • Explore an internship. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete Natural Science - Quantitative (SQ) course. | | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 301: Empirical Political Inquiry (SB) | 3 | C | • Maximum of six hours of POS 484 and three hours of POS 499 (Individualized Instruction) may be applied toward the major. |
| POS Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Thinking about graduate school? Consider registering for a grad school test prep course . |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 401: Political Statistics (CS) | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | • Complete an in person or virtual practice interview. |
| POS Upper Division Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POS Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Related Area Courses | 6 | C | • Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement. |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POS Upper Division Elective | 3 | C | • Gather professional references. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ *Complete 2 courses:* Related Area Courses | 6 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | • Apply for full-time career opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POS Upper Division Elective | 3 | C | |
| Term hours subtotal: | 3 | | |

- 
- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following subjects may be used.

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Maximum of six hours of POS 484 and three hours of POS 499 (Individualized Instruction) may be applied toward the major.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
| --- |
| AFR OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR GPH OR HST OR JUS OR PHI OR PSY OR REL OR SGS OR SOC OR WST Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Politics and the Economy, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPECBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | • ASU 101 or college-specific First-Year Seminar is required of all first-year students.<br>• Students placing into MAT 210 or MAT 270 should take one of those courses in Term 1. If not, students should select a prerequisite course. Students should not take MAT 142.<br>• Students considering graduate work in economics should choose MAT 270 or a prerequisite course.<br>• Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.<br>• Select yourCareer Interest Communities and play me3@ASU. |
| Mathematics (MA) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 210: Brief Calculus (MA) | 3 | C | • Students considering graduate work in economics should select MAT 270 instead of MAT 210.<br>• Create a first draft resume. |
| POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | C | • Students considering graduate work in economics should select MAT 271 instead of MAT 211. |
| MAT 211: Mathematics for Business Analysis | 3 | C | |

| | | | |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Develop your skills. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| **Term 4 48 - 63 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) | 3 | C | • Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately.<br>• The Science and Society course list and more information about the requirement can be found here.<br>• Explore an internship. |
| POS 210: Political Ideologies (SB) | 3 | C | |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 5 63 - 78 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ECN 312: Intermediate Microeconomic Theory (SB) | 3 | C | • Thinking about graduate school? Consider registering for a grad school test prep course. |
| POS 301: Empirical Political Inquiry (SB) | 3 | C | |
| POS 465: International Organization and Law (SB & G) OR POS 485: Political Economy (SB) OR POS 486: International Political Economy (SB & G) | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6 78 - 93 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ECN 313: Intermediate Macroeconomic Theory (SB) | 3 | C | • Use Handshake to research employment opportunities. |
| ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy | 3 | C | |
| POS 465: International Organization and Law (SB & G) OR POS 485: Political Economy (SB) OR POS 486: International Political Economy (SB & G) | 3 | C | |
| ECN 221: Business Statistics (CS) OR POS 401: Political Statistics (CS) | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 93 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy | 3 | C | • Gather professional references. |
| POS 465: International Organization and Law (SB & G) OR POS 485: Political Economy (SB) OR POS 486: International Political Economy (SB & G) | 3 | C | |

| | | |
|---|---|---|
| Upper Division Elective OR POS 484: Internship OR ECN 484: Internship | 3 | |
| *Complete 2 courses:* Elective | 6 | |
| Term hours subtotal: | 15 | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECN 475: Capstone in Economics (L) OR POS 348: Do You Want to Build a Nation? (L) | 3 | C | • Apply for full-time career opportunities. |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPGSBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Students who place into MAT 119 or MAT 170 should take the course in Term 1 to complete the MA requirement.<br>• The decision between MAT 119 and MAT 170 should be determined based on academic and career goals. Consult with your academic advisor for more information.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. LIA 101 offered by The College of Liberal Arts and Sciences satisfies this requirement.<br>• Foundation of Behavior: Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. Select courses from ASB, ASM, BIO, GCU, HPS, PHI, SOC.<br>• Select your career interest area and play me3@ASU. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Foundations of Behavior | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • MAT 119 or MAT 170 may require prerequisites which should be completed in Term 1.<br>• Join a student club or professional organization.<br>• Secure a part-time job or volunteer experience. |
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C |
| Foundations of Behavior | 3 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | |
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

- Languages offered at ASU
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Explore an internship.
- Pursue research opportunities.

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • PSY Elective: Before graduation, students must complete three additional PSY courses (nine credit hours). At least two courses must be upper division. No more than three credit hours of PSY 394 may be used to fulfill the nine credit hours of PSY electives. No more than six hours (total) from the following course list may be used to fulfill this requirement: PSY 384, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499. |
| Foundations of Behavior | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| PSY Elective | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>3** Breadth Within Psychology | 6 | C | • Breadth Within Psychology: Before graduation, students must complete one course from four of the five Breadth course lists below (four courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social.<br>• The College of Liberal Arts and Sciences' Psychology Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) PSY coursework must be completed through courses offered by The College of Liberal Arts and Sciences - Department of Psychology. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 17 | | |

| Term 6 77 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>3** Breadth Within Psychology | 6 | C | • Use Handshake to research employment opportunities<br>• Draft a resume.<br>• Gather professional references. |
| Foundations of Behavior | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 13 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ★ 4** Depth Within Psychology | 3 | C |
| PSY Upper Division Elective | 3 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | |
| Upper Division Elective OR PSY 484: Internship | 3 | |
| Term hours subtotal: | 15 | |

- Depth Within Psychology: Students must complete two courses from the course list below. **Note:** PSY 498: Pro-Seminar must be offered by The College of Liberal Arts and Sciences -- Department of Psychology.
- PSY Upper Division Elective: Students must complete three additional PSY courses (nine credit hours). At least two courses must be upper division. No more than three credit hours of PSY 394 may be used to fulfill the nine credit hours of PSY electives. No more than six hours (total) from the following course list may be used to fulfill this requirement: PSY 384, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.
- Apply for graduate school.

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ 4** Depth Within Psychology | 3 | C | • Apply for full-time career opportunities. |
| PSY Upper Division Elective | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

- PSY 498: Pro-Seminar must be offered by The College of Liberal Arts and Sciences -- Department of Psychology.

Hide Course List(s)/Track Group(s)

| Foundations of Behavior (12 credit hours from the following options) | Biological Breadth | Personality/Mental Health Breadth |
|---|---|---|
| ASB Elective | NEU 325: Biopsychology | PSY 315: Personality Theory and Research (SB) |
| ASM Elective | PSY 325: Physiological Psychology | PSY 366: Psychological Disorders (SB) |
| BIO Elective | | |
| GCU Elective | | |
| HPS Elective | | |
| PHI Elective | | |
| SOC Elective | | |
| **Cognitive/Learning Breadth** | **Developmental Breadth** | **Social Breadth** |
| PSY 320: Learning and Motivation | PSY 341: Developmental Psychology (SB) | PSY 350: Social Psychology (SB) |
| PSY 323: Sensation and Perception | | PSY 351: Honors Social Psychology (L or SB) |
| PSY 324: Memory and Cognition | | |
| NEU 394: Neuroscience of Learning and Motivation | | |
| NEU 394: Neuroscience of Perception | | |

400-Level Depth Within Psychology

NEU 494: Biotechnology Viruses as Tools

NEU 494: Brain and Emotion

NEU 494: Cognitive Neuroscience of Memory

NEU 494: Data Analysis in Neuroscience

NEU 494: Neural Basis of Learning and Memory

NEU 494: Neuropharmacology of Psychiatric Medications

NEU 494: Visual Cognitive Neuroscience

PSY 400: Topics in Neuroscience

PSY 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 430: Industrial Psychology

PSY 432: Embodied Cognition (L)

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Child and Adolescent Psychological Disorders (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPGSBS

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Students who place into MAT 119 or MAT 170 should take the course in Term 1 to complete the MA requirement.<br>• The decision between MAT 119 and MAT 170 should be determined based on academic and career goals. Consult with your academic advisor for more information.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. LIA 101 offered by The College of Liberal Arts and Sciences fulfills this requirement.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Join a student club or professional organization. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Mathematics (MA) | 3 | C | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • MAT 119 or MAT 170 may require prerequisites which should be completed in Term 1.<br>• Foundation of Behavior: Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. Select courses from: ASB, ASM, BIO, GCU, HPS, PHI, SOC.<br>• Secure a part-time job or volunteer experience. |
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| Foundations of Behavior | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • Explore an internship.<br>• Pursue research opportunities. |
| Foundations of Behavior | 3 | C | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 47 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.<br>• PSY Elective: Before graduation, students must complete three additional PSY elective courses (nine credit hours). At least two courses must be upper division. No more than three credit hours of PSY 394 may be used to fulfill the nine credit hours of PSY electives. No more than six hours (total) from the following course list may be used to fulfill this requirement: PSY 384, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499. |
| Foundations of Behavior | 3 | C | |
| Science and Society Elective | 3 | C | |
| PSY Elective | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>3** Breadth Within Psychology | 6 | C | • Breadth Within Psychology: Before graduation, students must complete one course from four of the five Breadth course lists below (four courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social.<br>• The College of Liberal Arts and Sciences' Psychology Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) PSY coursework must be completed through courses offered by The College of Liberal Arts and Sciences - Department of Psychology. |
| Upper Division Science and Society Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>3** Breadth Within Psychology | 6 | C | • Use Handshake to research employment opportunities<br>• Draft a resume<br>• Gather professional references<br>• PSY Upper Division Elective: Before graduation, students must complete three additional PSY courses (nine credit hours). At |
| Foundations of Behavior | 3 | C | |
| PSY Upper Division Elective | 3 | C | |
| Elective | 3 | | |

| | | |
|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 15 | |

least two courses must be upper division. No more than three credit hours of PSY 394 may be used to fulfill the nine credit hours of PSY electives. No more than six hours (total) from the following course list may be used to fulfill this requirement: PSY 384, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.

| **Term 7 90 - 105 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ 4** Depth Within Psychology | 3 | C | • Depth Within Psychology: Before graduation, students must complete two courses from the course list below. **Note:** PSY 498 Pro-Seminar must be offered by The College of Liberal Arts and Sciences - Department of Psychology.<br>• Apply for graduate school. |
| PSY Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Elective OR PSY 484: Internship | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ 4** Depth Within Psychology | 3 | C | • Apply for full-time career opportunities. |
| *Complete 4 courses:* Upper Division Elective | 12 | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- PSY 498: Pro-Seminar must be offered by The College of Liberal Arts and Sciences -- Department of Psychology.

Hide Course List(s)/Track Group(s)

| | | |
|---|---|---|
| Foundations of Behavior (12 credit hours from the following options) | Biological Breadth | Personality/Mental Health Breadth |
| ASB Elective | NEU 325: Biopsychology | PSY 315: Personality Theory and Research (SB) |
| ASM Elective | PSY 325: Physiological Psychology | PSY 366: Psychological Disorders (SB) |
| BIO Elective | | |
| GCU Elective | | |
| HPS Elective | | |
| PHI Elective | | |
| SOC Elective | | |
| Cognitive/Learning Breadth | Developmental Breadth | Social Breadth |

NEU 394: Neuroscience of Learning and Motivation

NEU 394: Neuroscience of Perception

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

400-Level Depth Within Psychology

NEU 494: Biotechnology Viruses as Tools

NEU 494: Brain and Emotion

NEU 494: Cognitive Neuroscience of Memory

NEU 494: Data Analysis in Neuroscience

NEU 494: Neural Basis of Learning and Memory

NEU 494: Neuropharmacology of Psychiatric Medications

NEU 494: Visual Cognitive Neuroscience

PSY 400: Topics in Neuroscience

PSY 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 430: Industrial Psychology

PSY 432: Embodied Cognition (L)

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Child and Adolescent Psychological Disorders (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 351: Honors Social Psychology (L or SB)

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Psychology (Psychological Science), BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LAPGSPSBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Students who place into MAT 119 or MAT 170 should take the course in Term 1 to complete the MA requirement.<br>• The decision between MAT 119 and MAT 170 should be determined based on academic and career goals. Consult with your academic advisor for more information.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. LIA 101 offered by The College of Liberal Arts and Sciences fulfills this requirement.<br>• Select your Career Interest Communities and play me3@ASU.<br>• Join a student club or professional organization. |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Mathematics (MA) | 3 | C | |
| Elective | 1 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • MAT 119 or MAT 170 may require prerequisites which should be completed in Term 1.<br>• Foundation of Behavior: Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. Select courses from: ASB, ASM, BIO, GCU, HPS, PHI, SOC. Students must complete at least six credit hours from within a single department and subject code.<br>• Secure a part-time job or volunteer experience. |
| MAT 119: Finite Mathematics (MA) OR MAT 170: Precalculus (MA) | 3 | C | |
| Foundations of Behavior | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 230: Introduction to Statistics (CS) | 3 | C | • Explore an internship.<br>• Pursue research opportunities. |
| Foundations of Behavior | 3 | C | |

| | | |
|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Elective | 4 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 290: Research Methods (L or SG) | 4 | C | • All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society . At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements. |
| *Complete 2 courses:* Foundations of Behavior | 6 | C | |
| Science and Society Elective | 3 | C | |
| Elective | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* 3** Breadth Within Psychology Course | 6 | C | • Research Experience: Before graduating, students must complete at least six credit hours of Research Experience (PSY 399, PSY 499, PSY 492, or PSY 493)<br>• Breadth Within Psychology: Before graduation, students must complete one course from four of the five Breadth course lists below (four courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social.<br>• The College of Liberal Arts and Sciences' Psychology Residency Requirement: Before graduation, at least 12 credit hours of upper-division (300 and 400 level) PSY coursework must be completed through courses offered by The College of Liberal Arts and Sciences - Department of Psychology. |
| PSY 399: Supervised Research | 3 | Y | |
| Upper Division Science and Society Elective | 3 | C | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* 3** Breadth Within Psychology Course | 6 | C | • Use Handshake to research employment opportunities<br>• Draft a resume<br>• Gather professional references |
| PSY 330: Statistical Methods (CS) | 3 | C | |
| PSY 399: Supervised Research OR PSY 492: Honors Directed Study OR PSY 493: Honors Thesis (L) OR PSY 499: Individualized Instruction | 3 | Y | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ 4** Depth Within Psychology Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective OR PSY 484: Internship | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

- 400-Level Depth Within Psychology: Before graduation, students must complete two courses from the course list below. **Note:** PSY 498 Pro-Seminar must be offered by The College of Liberal Arts and Sciences - Department of Psychology.
- Apply for graduate school.

| **Term 8** 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ 4** Depth Within Psychology Course | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Minimum 3.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Students in this major must complete at least six credit hours of their Foundations of Behavior within a single department and subject code.
- Students cannot declare this major as first-year students.
- Students must have a minimum ASU cumulative GPA of 3.00 to be accepted into this major, and students must maintain a minimum ASU cumulative GPA of 3.00 to remain in the major.
- PSY 498: Pro-Seminar must be offered by The College of Liberal Arts and Sciences -- Department of Psychology.

Hide Course List(s)/Track Group(s)

| | | |
|---|---|---|
| Foundations of Behavior (12 credit hours from the following options. At least 6 hours must be from one subject.) | Biological Breadth | Personality/Mental Health Breadth |
| ASB Elective | NEU 325: Biopsychology | PSY 315: Personality Theory and Research (SB) |
| ASM Elective | PSY 325: Physiological Psychology | PSY 366: Psychological Disorders (SB) |
| BIO Elective | | |
| GCU Elective | | |
| HPS Elective | | |
| PHI Elective | | |
| SOC Elective | | |
| Cognitive/Learning Breadth | Developmental Breadth | Social Breadth |

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

NEU 394: Neuroscience of Learning and Motivation

NEU 394: Neuroscience of Perception

400-Level Depth Within Psychology

NEU 494: Biotechnology Viruses as Tools

NEU 494: Brain and Emotion

NEU 494: Cognitive Neuroscience of Memory

NEU 494: Data Analysis in Neuroscience

NEU 494: Neural Basis of Learning and Memory

NEU 494: Neuropharmacology of Psychiatric Medications

NEU 494: Visual Cognitive Neuroscience

PSY 400: Topics in Neuroscience

PSY 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 430: Industrial Psychology

PSY 432: Embodied Cognition (L)

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Child and Adolescent Psychological Disorders (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 341: Developmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 351: Honors Social Psychology (L or SB)

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 470: Psychopharmacology

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Religious Studies (Religion, Culture and Public Life), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LARELCPBA

**Accelerated options for this program are not currently available to ASU Online students.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| REL 101: Religion, Culture and Public Life (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.<br>• Select your Career Interest Communities and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Elective | 2 | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • See Religion, Culture and Public Life course list below. Students complete 15 credit hours from the Religion, Culture and Public Life concentration as part of the Religious Studies major.<br>• Join a student club or professional organization.<br>• If interested in law school, review the Pre-Law at ASU website. |
| Religion, Culture and Public Life Concentration Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Related Area Course | 3 | C |
| REL Outside Concentration Course | 3 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.50 GPA in REL. | | |
| Term hours subtotal: | 16 | |

- Outside Concentration courses include any REL courses that are not listed in the Religion, Culture and Public Life concentration. REL 100 and REL 321 may count as either Religion, Culture and Public Life concentration courses, or as Outside Concentration courses, but not both.
- Please see list of Related Area courses below.
- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to study abroad.

| **Term 4 46 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| Religion, Culture and Public Life Concentration Course | 3 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Maintain 2.50 GPA in REL. | | |
| Term hours subtotal: | 14 | |

- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, make an appointment with the pre-law advisor.

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| REL 307: Religion: Theory and Practice (L or HU) | 3 | C |
| Upper Division Religion, Culture and Public Life Concentration Course | 3 | C |
| Related Area Course | 3 | C |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Upper Division Elective | 3 | |
| Maintain 2.50 GPA in REL. | | |
| Term hours subtotal: | 15 | |

- REL 307 is typically offered only in the Fall semester.
- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.
- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab.

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| Upper Division Religion, Culture and Public Life Concentration Course | 3 | C |
| Upper Division Related Area Course | 3 | C |
| Upper Division REL Outside Concentration Course | 3 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Upper Division Elective OR REL 484: Internship | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Maintain 2.50 GPA in REL. | | |

- Upper Division Outside Concentration courses include any upper-division REL courses that are not listed in the Religion, Culture and Public Life concentration. REL 321 may count as either a Religion, Culture and Public Life concentration course, or as an Outside Concentration course, but not both.
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.
- Explore graduate school opportunities.

| | | |
|---|---|---|
| Term hours subtotal: | 15 | |

- If planning on law school, prepare to take the LSAT.

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Religion, Culture and Public Life Concentration Course | 3 | C | • Use Handshake to research employment opportunities.<br>• Attend career fairs, workshops and related events offered by Career and Professional Development Services. |
| Upper Division Related Area Course | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ REL 405: Problems in Religious Studies OR REL 406: Religious Studies Capstone I AND REL 407: Religious Studies Capstone II | 3 | C | • REL 405 serves as the capstone course for this major and is typically offered only in the Spring semester. REL 405 is for on-campus students while REL 406 and 407 are for ASU Online students.<br>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.<br>• Apply for full-time career opportunities. |
| Upper Division Related Area Course | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| ★ Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 15 | | |

- 
  - Students complete 15 credit hours in the Religion, Culture and Public Life concentration, at least nine of which must be upper-division.
  - Students complete six credits of Outside Concentration REL courses, at least three of which must be upper-division. The Outside Concentration courses are any REL courses NOT in the Religion, Culture and Public Life concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Culture and Public Life concentration courses, or as Outside Concentration courses, but each course will satisfy only ONE requirement, not both.
  - Students complete 15 credits of courses in Related Areas, at least nine of which must be upper-division.

Hide Course List(s)/Track Group(s)

| Religion, Culture and Public Life Courses | REL Outside Concentration Courses | Related Area Courses |
|---|---|---|
| REL 100: Religions of the World (HU & G) | Any REL course that is NOT listed in the Religion, Culture and Public Life concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both. | AFR OR AIS OR AMS OR APA OR APH OR ARS OR ASB OR GCU OR HPS OR HST OR HUL OR JUS OR PHI OR POS OR SGS OR SOC OR TCL OR WST Elective |
| REL 200: Exploring the World's Religions ((L or HU) & G) | REL 100: Religions of the World (HU & G) | ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) |
| REL 202: Religion and Popular Culture (HU & C) | REL 321: Religion in America ((L or HU) & C & H) | ARB 335: Arabic Culture and Islam (G) |
| REL 205: Life, Sex and Death (HU) | | ARB 336: Introduction to the Qur'an (G) |
| REL 207: Ritual, Symbol, and Myth (L or HU) | | ARB 337: Hadith and Prophetic Tradition (HU & H & G) |
| REL 210: Introduction to Judaism (HU & H) | | |
| REL 260: Introduction to Islam (HU & G) | | |

REL 270: Introduction to Christianity (HU)

REL 272: Heretics, Saints and Emperors: Christianity in the Ancient World (HU & H)

REL 287: Topics in Film, Media, and Religion (HU & G)

REL 301: Comparative Mysticism (HU)

REL 310: Western Religious Traditions (HU & H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

REL 320: American Religious Traditions (HU & C & H)

REL 321: Religion in America ((L or HU) & C & H)

REL 323: African American Religion (HU & C)

REL 324: Sacred Healing and Arts of the Africana World

REL 326: Hispanic Religion, Culture and Healing (HU & C)

REL 330: Native American Worldviews (HU & C)

REL 343: Daoism ((L or HU) & G & H)

REL 346: Chinese Religions

REL 350: Hinduism ((L or HU) & G)

REL 351: Buddhism ((L or HU) & G)

REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) & G)

REL 365: Islamic Civilization (HU & H)

REL 371: New Testament (HU)

REL 382: Magick, Religion and Science (L or HU)

REL 383: Religion and Sports (HU)

REL 390: Women, Gender and Religion (HU & G)

REL 393: Religion and Sex (HU)

REL 394: Jainism

ARB 341: Quran Text and Women (HU & H)

ARB 351: Classical Arabic Literature (HU & G)

ARB 352: Modern Arabic Literature in Translation (HU & G)

ARB 360: Islamic Philosophical Literature

ARB 427: Arabic Prose: Reading the Arabian Nights

ARB 428: Arab Women's Writing (HU & G) or SLC 428: Arab Women's Writing (HU & G)

BIO 312: Bioethics (HU)

BIO 315: Science, Values, and the Public or ENG 370: Science, Values, and the Public

BIO 318: History of Medicine (HU & H)

CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU & G)

CHI 345: Chinese Film and Civilization

CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)

CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)

ENG 315: Medieval Literature in Translation

ENG 333: American Ethnic Literature

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 356: The Bible as Literature (HU)

ENG 359: Indigenous American Literature ((L or HU) & C)

GER 315: Germanic Mythology (HU & G)

HEB 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU)

HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)

HEB 348: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)

HEB 375: Contemporary Culture of Israel (HU & G)

HEB 411: Judaism and the Beginnings of Christianity (HU & H)

Related Area Courses Continued

HON 171: The Human Event (L or HU)

HON 272: The Human Event ((L or HU) & H)

HON 370: History of Ideas (L or HU)

HON 379: Romantics, Victorians, and Moderns (HU & G)

IAS 430: Science and Religion (L or HU)

JPN 115: Japanese Popular Culture: Anime, Manga and Film (G)

JPN 333: Japanese Civilization from the Ice Age to Last Thursday

JPN 354: Zen and Japanese Culture or SLC 354: Zen and Japanese Culture

JPN 355: Religious Practice of People in Modern Japan (HU & G) or SLC 355: Religious Practice of People in Modern Japan (HU & G)

JPN 367: Religion, Philosophy and Culture in Japan or SLC 367: Religion, Philosophy and Culture in Japan

JPN 370: Japanese Aesthetics: Art and Beauty in Japan or SLC 370: Japanese Aesthetics: Art and Beauty in Japan

JPN 445: Readings in Modern Japanese Letters and Culture

JST Elective (not from JST 131, 132, 231, or 232)

KOR 250: Korean Culture and Society (HU & G)

KOR 321: Modern Korean Literature (HU)

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

KOR 354: Religions of Korea (HU)

KOR 375: Intercultural Communication in Korea (SB & G) or SLC 375: Intercultural Communication in Korea (SB & G)

KOR 415: Korean Popular Culture (HU & G) or SLC 415: Korean Popular Culture (HU & G)

KOR 420: Emotions Across Languages, Cultures and History (HU & G) or SLC 420: Emotions Across Languages, Cultures and History (HU & G)

KOR 457: Premodern Korea in a Global Context (HU) or SLC 457: Premodern Korea in a Global Context (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music

MUS 355: American Music (HU & C & H)

MUS 371: World Music (HU & G)

POR 472: Luso-Brazilian Civilization (HU & G)

PSY 350: Social Psychology (SB)

SLC 142: Ancient Greek Civilization (HU & H) or GRK 142: Ancient Greek Civilization (HU & H)

SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

SLC 320: Compassion: A Dialogue Between the Humanities, the Sciences and the Arts (HU)

SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

SLC 362: Ancient Greek Religion (HU) or GRK 362: Ancient Greek Religion (HU)

SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

SLC 455: Berlin: Migration, Arts and Activism (G) or GER 455: Berlin: Migration, Arts and Activism (G)

SLC 494: Religions and Conflicts in Southeast Asia

SPA 325: Introduction to Hispanic Literature (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

TCL 328: Hispanic Religion, Culture and Healing (HU & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- At least 12 upper-division hours in the major (REL) must be in courses offered by The College of Liberal Arts and Sciences.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.50 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Religious Studies (Religion, Culture and Public Life), BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LARELCPBA

**Accelerated options for this program are not currently available to ASU Online students.**

| **Term 1 - A 0 - 7 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| REL 101: Religion, Culture and Public Life (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ASU 101 is not required of transfer students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 7 | | |

| **Term 1 - B 7 - 13 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 2 - A 13 - 20 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| **Term 2 - B 20 - 27 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Religion, Culture and Public Life Concentration Course | 3 | C | • Please see Religion, Culture and Public Life course list below. Students complete 15 credit hours from the Religion, Culture and Public Life concentration as part of the Religious Studies major. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | | |
|---|---|---|
| Maintain 2.50 GPA in REL coursework. | | |
| Term hours subtotal: | 7 | |

- If interested in law school, review the Pre-Law at ASU website.

| Term 3 - A 27 - 34 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| REL Outside Concentration Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 7 | | |

- Please see REL Outside Concentration Course list below.
- Explore opportunities to study abroad. Online students are eligible and encouraged to participate!

| Term 4 - A 41 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Religion, Culture and Public Life Concentration Course | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 7 | | |

- Explore the Career and Professional Development Services website and arrange a virtual advising session with a career counselor for assistance with career planning and networking.
- If interested in law school, make an appointment with the pre-law advisor.

| Term 4 - B 48 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.

| Term 5 - A 54 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| REL 307: Religion: Theory and Practice (L or HU) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 6 | | |

- REL 307 is typically offered only in the Fall semester.
- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.

| Term 5 - B 60 - 67 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, contact an academic advisor.

| Term 6 - A 67 - 73 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Religion, Culture and Public Life Concentration Course | 3 | C | • Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity with the Humanities Lab. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 73 - 79 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division REL Outside Concentration Course | 3 | C | • If planning on law school, prepare to take the LSAT. |
| Literacy and Critical Inquiry (L) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 79 - 85 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Religion, Culture and Public Life Concentration Course | 3 | C | • Explore graduate school opportunities. |
| Upper Division Elective | 3 | | |
| Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 85 - 91 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | • View career webinars offered by Career and Professional Development Services. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Religion, Culture and Public Life Concentration Course | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Related Area Course | 3 | C | |
| Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 97 - 103 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 103 - 109 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ REL 406: Religious Studies Capstone I | 1 | C | • REL 406 and REL 407 serve as the capstone courses for this major and are typically offered only in the Spring semester. |
| Upper Division Elective | 3 | | |
| Elective | 2 | | |

| | | |
|---|---|---|
| Maintain 2.50 GPA in REL coursework. | | |
| Term hours subtotal: | 6 | |

| Term 9 - B 109 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ REL 407: Religious Studies Capstone II | 2 | C | • Take advantage of mock interview opportunities and assistance with writing resumes and cover letters. |
| Upper Division Elective | 3 | | |
| Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 5 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| ★ Maintain 2.50 GPA in REL coursework. | | | |
| Term hours subtotal: | 6 | | |

- 
  - Students complete 15 credit hours in the Religion, Culture and Public Life concentration, at least nine of which must be upper-division.
  - Students complete six credit hours in Outside Concentration REL courses, at least three of which must be upper-division. Outside Concentration courses include all REL courses that are not part of the Religion, Culture and Public Life concentration. Due to their broad content, REL 100 and REL 321 appear in both the Religion, Culture and Public Life and the Outside Concentration course lists. Students may use these courses to satisfy a concentration requirement OR an Outside Concentration requirement, but each course will apply toward only ONE requirement, not both.
  - Students complete 15 credits of courses in related areas, at least nine of which must be upper-division.
  - At least 12 upper-division hours in the major (REL) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

| Religion, Culture and Public Life | REL Outside Concentration Courses | Related Area Courses |
|---|---|---|
| REL 100: Religions of the World (HU & G) | Any REL course that is NOT listed in the Religion, Culture and Public Life concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both. | AFR OR APA OR ARS OR ASB OR GCU OR HST OR HUL OR JUS OR PHI OR POS OR SGS OR SOC OR TCL OR WST Elective |
| REL 202: Religion and Popular Culture (HU & C) | REL 100: Religions of the World (HU & G) | ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) |
| REL 205: Life, Sex and Death (HU) | REL 321: Religion in America ((L or HU) & C & H) | ARB 335: Arabic Culture and Islam (G) |
| REL 207: Ritual, Symbol, and Myth (L or HU) | | ARB 336: Introduction to the Qur'an (G) |
| REL 301: Comparative Mysticism (HU) | | BIO 312: Bioethics (HU) |
| REL 310: Western Religious Traditions (HU & H) | | BIO 318: History of Medicine (HU & H) |
| REL 315: Hebrew Bible (Old Testament) ((L or HU) & H) | | ENG 333: American Ethnic Literature |
| REL 320: American Religious Traditions (HU & C & H) | | ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |

REL 321: Religion in America ((L or HU) & C & H)

REL 323: African American Religion (HU & C)

REL 324: Sacred Healing and Arts of the Africana World

REL 330: Native American Worldviews (HU & C)

REL 343: Daoism ((L or HU) & G & H)

REL 350: Hinduism ((L or HU) & G)

REL 351: Buddhism ((L or HU) & G)

REL 371: New Testament (HU)

REL 382: Magick, Religion and Science (L or HU)

REL 390: Women, Gender and Religion (HU & G)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 356: The Bible as Literature (HU)

ENG 359: Indigenous American Literature ((L or HU) & C)

HON 370: History of Ideas (L or HU)

IAS 430: Science and Religion (L or HU)

JPN 355: Religious Practice of People in Modern Japan (HU & G) or SLC 355: Religious Practice of People in Modern Japan (HU & G)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music

MUS 355: American Music (HU & C & H)

MUS 371: World Music (HU & G)

PSY 350: Social Psychology (SB)

SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

SPA 325: Introduction to Hispanic Literature (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.50 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Religious Studies (Religion, Politics and Global Affairs), BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LARELPGBA

**Accelerated options for this program are not currently available to ASU Online students.**

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| REL 101: Religion, Culture and Public Life (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.<br>• Select your Career Interest Communities and play me3@ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Elective | 2 | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • See Religion, Politics and Global Affairs course list below. Students complete 15 credit hours from the Religion, Politics and Global Affairs concentration as part of the Religious Studies major.<br>• Join a student club or professional organization.<br>• If interested in law school, review the Pre-Law at ASU website. |
| Religion, Politics and Global Affairs Concentration Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Related Area Course | 3 | C |
| REL Outside Concentration Course | 3 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Computer/Statistics/Quantitative Applications (CS) | 3 | |
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.50 GPA in REL. | | |
| Term hours subtotal: | 16 | |

- Outside Concentration courses include any REL courses that are not listed in the Religion, Politics and Global Affairs concentration. REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but not both.
- Please see list of Related Area courses below.
- Explore opportunities to study abroad.

| **Term 4 46 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| Religion, Politics and Global Affairs Concentration Course | 3 | C |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Maintain 2.50 GPA in REL. | | |
| Term hours subtotal: | 14 | |

- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, make an appointment with the pre-law advisor.

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| REL 307: Religion: Theory and Practice (L or HU) | 3 | C |
| Upper Division Religion, Politics and Global Affairs Concentration Course | 3 | C |
| Related Area Course | 3 | C |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Elective | 3 | |
| Maintain 2.50 GPA in REL. | | |
| Term hours subtotal: | 15 | |

- REL 307 is typically offered only in the Fall semester.
- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.
- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies or a research opportunity in the Humanities Lab.

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| Upper Division Religion, Politics and Global Affairs Concentration Course | 3 | C |
| Upper Division Related Area Course | 3 | C |
| Upper Division REL Outside Concentration Course | 3 | C |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | |
| Upper Division Elective OR REL 484: Internship | 3 | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Maintain 2.50 GPA in REL. | | |
| Term hours subtotal: | 15 | |

- Upper Division Outside Concentration courses include any upper-division REL courses that are not listed in the Religion, Politics and Global Affairs concentration. REL 321 may count as either a Religion, Politics and Global Affairs concentration course, or as an Outside Concentration course, but not both.
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.
- Explore graduate school opportunities.

- If planning on law school, prepare to take the LSAT.

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Religion, Politics and Global Affairs Concentration Course | 3 | C | • Use Handshake to research employment opportunities.<br>• Attend career fairs, workshops and related events offered by Career and Professional Development Services. |
| Upper Division Related Area Course | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ REL 405: Problems in Religious Studies OR REL 406: Religious Studies Capstone I AND REL 407: Religious Studies Capstone II | 3 | C | • REL 405 serves as the capstone course for this major and is typically offered only in the Spring semester. REL 405 is for on-campus students while REL 406 and 407 are for ASU Online students.<br>• Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.<br>• Apply for full-time career opportunities. |
| Upper Division Related Area Course | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| ★ Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 15 | | |

- Students complete 15 credit hours in the Religion, Politics and Global Affairs concentration, at least nine of which must be upper division.
- Students complete six credits of Outside Concentration REL courses, at least three of which must be upper division. The Outside Concentration courses are any REL courses **not** in the Religion, Politics and Global Affairs concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but each course will satisfy only **one** requirement, not both.
- Students complete 15 credits of courses in Related Areas, at least nine of which must be upper division.
- At least 12 upper-division hours in the major (REL) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

| Religion, Politics and Global Affairs | REL Outside Concentration Courses | Related Area Courses |
|---|---|---|
| REL 100: Religions of the World (HU & G) | Any REL course that is **not** listed in the Religion, Politics and Global Affairs concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both. | AFR OR AIS OR AMS OR APA OR APH OR ARS OR ASB OR GCU OR HPS OR HST OR HUL OR JUS OR PHI OR POS OR SGS OR SOC OR TCL OR WST Elective |
| REL 107: Religion and Globalization (HU & G) | REL 100: Religions of the World (HU & G) | ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) |
| REL 201: Religion and the Modern World (L or HU) | REL 321: Religion in America ((L or HU) & C & H) | ARB 335: Arabic Culture and Islam (G) |
| REL 225: Africana Religious Studies (HU & C) | | ARB 336: Introduction to the Qur'an (G) |
| REL 319: Religion, Violence and America | | |

REL 321: Religion in America ((L or HU) & C & H)

REL 347: Religions of India ((L or HU) & G)

REL 349: Nature, Sustainability and Religion

REL 352: Modern Buddhism

REL 354: Religions of Korea (HU)

REL 362: Islam and Islamic Societies in Africa: Social and Political History (G)

REL 363: Islam and World Affairs (G)

REL 364: Islam in Eurasia and Central Asia

REL 366: Islam in the Modern World (HU & G)

REL 374: Witchcraft and Heresy in Europe ((L or HU) & H)

REL 377: Religion in Russia (HU & H)

REL 378: Religion, War and Peace (L)

REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)

REL 381: Religion and Moral Issues (L or HU)

REL 387: Religion and Conflict: Theories and Cases ((L or HU) & G)

REL 388: Religion, Ethics, and International Politics

REL 420: Religion in American Life and Thought (HU)

REL 460: Islam and Politics (HU & G)

REL 461: Different Voices Within Contemporary Islamic Discourse

ARB 337: Hadith and Prophetic Tradition (HU & H & G)

ARB 341: Quran Text and Women (HU & H)

ARB 351: Classical Arabic Literature (HU & G)

ARB 352: Modern Arabic Literature in Translation (HU & G)

ARB 360: Islamic Philosophical Literature

ARB 427: Arabic Prose: Reading the Arabian Nights

ARB 428: Arab Women's Writing (HU & G) or SLC 428: Arab Women's Writing (HU & G)

BIO 312: Bioethics (HU)

BIO 315: Science, Values, and the Public or ENG 370: Science, Values, and the Public

BIO 318: History of Medicine (HU & H)

CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU & G)

CHI 345: Chinese Film and Civilization

CHI 451: Chinese Cultural History I ((HU or SB) & H) or SLC 451: Chinese Cultural History I ((HU or SB) & H)

CHI 452: Chinese Cultural History II (SB & G & H) or SLC 452: Chinese Cultural History II (SB & G & H)

ENG 315: Medieval Literature in Translation

ENG 333: American Ethnic Literature

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 356: The Bible as Literature (HU)

ENG 359: Indigenous American Literature ((L or HU) & C)

GER 315: Germanic Mythology (HU & G)

HEB 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU)

HEB 347: Modern Israeli Literature in Translation (HU & G) or SLC 347: Modern Israeli Literature in Translation (HU & G)

HEB 348: Israeli Society and Culture (HU & G) or SLC 348: Israeli Society and Culture (HU & G)

HEB 375: Contemporary Culture of Israel (HU & G)

HEB 411: Judaism and the Beginnings of Christianity (HU & H)

Related Area Courses Continued

HON 171: The Human Event (L or HU)

HON 272: The Human Event ((L or HU) & H)

HON 370: History of Ideas (L or HU)

HON 379: Romantics, Victorians, and Moderns (HU & G)

IAS 430: Science and Religion (L or HU)

JPN 115: Japanese Popular Culture: Anime, Manga and Film (G)

JPN 333: Japanese Civilization from the Ice Age to Last Thursday

JPN 354: Zen and Japanese Culture or SLC 354: Zen and Japanese Culture

JPN 355: Religious Practice of People in Modern Japan (HU & G) or SLC 355: Religious Practice of People in Modern Japan (HU & G)

JPN 367: Religion, Philosophy and Culture in Japan or SLC 367: Religion, Philosophy and Culture in Japan

JPN 370: Japanese Aesthetics: Art and Beauty in Japan or SLC 370: Japanese Aesthetics: Art and Beauty in Japan

JPN 445: Readings in Modern Japanese Letters and Culture

JST Elective (not from JST 131, 132, 231, or 232)

KOR 250: Korean Culture and Society (HU & G)

KOR 321: Modern Korean Literature (HU)

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

KOR 354: Religions of Korea (HU)

KOR 375: Intercultural Communication in Korea (SB & G) or SLC 375: Intercultural Communication in Korea (SB & G)

KOR 415: Korean Popular Culture (HU & G) or SLC 415: Korean Popular Culture (HU & G)

KOR 420: Emotions Across Languages, Cultures and History (HU & G) or SLC 420: Emotions Across Languages, Cultures and History (HU & G)

KOR 457: Premodern Korea in a Global Context (HU) or SLC 457: Premodern Korea in a Global Context (HU)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music

MUS 355: American Music (HU & C & H)

MUS 371: World Music (HU & G)

POR 472: Luso-Brazilian Civilization (HU & G)

PSY 350: Social Psychology (SB)

SLC 142: Ancient Greek Civilization (HU & H) or GRK 142: Ancient Greek Civilization (HU & H)

SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

SLC 320: Compassion: A Dialogue Between the Humanities, the Sciences and the Arts (HU)

SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

SLC 362: Ancient Greek Religion (HU) or GRK 362: Ancient Greek Religion (HU)

SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

SLC 455: Berlin: Migration, Arts and Activism (G) or GER 455: Berlin: Migration, Arts and Activism (G)

SLC 494: Religions and Conflicts in Southeast Asia

SPA 325: Introduction to Hispanic Literature (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

TCL 328: Hispanic Religion, Culture and Healing (HU & C)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.50 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Religious Studies (Religion, Politics and Global Affairs), BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LARELPGBA

**Accelerated options for this program are not currently available to ASU Online students.**

| **Term 1 - A 0 - 7 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| REL 101: Religion, Culture and Public Life (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ASU 101 is not required of transfer students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 7 | | |

| **Term 1 - B 7 - 13 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| **Term 2 - A 13 - 20 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| **Term 2 - B 20 - 27 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Religion, Politics and Global Affairs Concentration Course | 3 | C | • See Religion, Politics and Global Affairs course list below. Students complete 15 credit hours from the Religion, Politics and Global Affairs concentration as part of the major. |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | | |
|---|---|---|
| Maintain 2.50 GPA in REL. | | |
| Term hours subtotal: | 7 | |

- If interested in law school, review the Pre-Law at ASU website.

| Term 3 - A 27 - 34 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| REL Outside Concentration Course | 3 | C | • Please see REL Outside Concentration Course list below.<br>• Explore opportunities to study abroad. Online students are eligible and encouraged to participate! |
| Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Religion, Politics and Global Affairs Concentration Course | 3 | C | • Explore the Career and Professional Development Services website and arrange a virtual advising session with a career counselor for assistance with career planning and networking.<br>• If interested in law school, make an appointment with the pre-law advisor. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 48 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 54 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| REL 307: Religion: Theory and Practice (L or HU) | 3 | C | • REL 307 is typically offered only in the Fall semester.<br>• Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 60 - 67 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 6 - A 67 - 73 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Religion, Politics and Global Affairs Concentration Course | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 73 - 79 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division REL Outside Concentration Course | 3 | C | • Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, contact an academic advisor.<br>• If planning on law school, prepare to take the LSAT. |
| Literacy and Critical Inquiry (L) | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 79 - 85 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Religion, Politics and Global Affairs Concentration Course | 3 | C | • Explore graduate school opportunities.<br>• Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies. |
| Upper Division Elective | 3 | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 85 - 91 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | • View career webinars offered by Career and Professional Development Services. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Religion, Politics and Global Affairs Concentration Course | 3 | C | • Use Handshake to research employment opportunities. |
| Upper Division Related Area Course | 3 | C | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 97 - 103 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 103 - 109 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ REL 406: Religious Studies Capstone I | 1 | C | • REL 406 and REL 407 serve as the capstone courses for this major and are typically offered only in the Spring semester. |
| Upper Division Elective | 3 | | |
| Elective | 2 | | |
| Maintain 2.50 GPA in REL. | | | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

| Term 9 - B 109 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ REL 407: Religious Studies Capstone II | 2 | C | • Take advantage of mock interview opportunities and assistance with writing resumes and cover letters. |
| Upper Division Elective | 3 | | |
| Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 5 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 3 | | |
| ★ Maintain 2.50 GPA in REL. | | | |
| Term hours subtotal: | 6 | | |

- 
  - Students complete 15 credit hours in the Religion, Politics and Global Affairs concentration, at least nine of which must be upper division.
  - Students complete six credits of Outside Concentration REL courses, at least three of which must be upper division. The Outside Concentration courses are any REL courses **not** in the Religion, Politics and Global Affairs concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but each course will satisfy only **one** requirement, not both.
  - Students complete 15 credits of courses in Related Areas, at least nine of which must be upper division.
  - At least 12 upper-division hours in the major (REL) must be in courses offered by The College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

| Religion, Politics and Global Affairs |
|---|
| REL 100: Religions of the World (HU & G) |
| REL 107: Religion and Globalization (HU & G) |
| REL 201: Religion and the Modern World (L or HU) |
| REL 225: Africana Religious Studies (HU & C) |
| REL 321: Religion in America ((L or HU) & C & H) |
| REL 352: Modern Buddhism |
| REL 366: Islam in the Modern World (HU & G) |
| REL 374: Witchcraft and Heresy in Europe ((L or HU) & H) |
| REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) |

| REL Outside Concentration Courses |
|---|
| Any REL course that is **not** listed in the Religion, Politics and Global Affairs concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both. |
| REL 100: Religions of the World (HU & G) |
| REL 321: Religion in America ((L or HU) & C & H) |

| Related Area Courses |
|---|
| AFR OR APA OR ARS OR ASB OR GCU OR HST OR HUL OR JUS OR PHI OR POS OR SGS OR SOC OR TCL OR WST Elective |
| ARB 331: Arabic/Islamic Culture and Literature (HU & H & G) |
| ARB 335: Arabic Culture and Islam (G) |
| ARB 336: Introduction to the Qur'an (G) |
| BIO 312: Bioethics (HU) |
| BIO 318: History of Medicine (HU & H) |
| ENG 333: American Ethnic Literature |
| ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) |
| ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) |

REL 381: Religion and Moral Issues (L or HU)

REL 388: Religion, Ethics, and International Politics

REL 420: Religion in American Life and Thought (HU)

ENG 356: The Bible as Literature (HU)

ENG 359: Indigenous American Literature ((L or HU) & C)

HON 370: History of Ideas (L or HU)

IAS 430: Science and Religion (L or HU)

JPN 355: Religious Practice of People in Modern Japan (HU & G) or SLC 355: Religious Practice of People in Modern Japan (HU & G)

MUS 347: Jazz in America (HU & C)

MUS 354: Popular Music

MUS 355: American Music (HU & C & H)

MUS 371: World Music (HU & G)

PSY 350: Social Psychology (SB)

SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

SPA 325: Introduction to Hispanic Literature (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.50 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Russian, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LARUSBA

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.<br>• Engage in Russian at ASU. Practice your language skills at the SILC Cafe.<br>• Play me3@ASU and set up your Handshake account. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| RUS 101: Elementary Russian I | 5 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Meet with a School of International Letters and Cultures Russian faculty member or academic advisor to discuss the best study abroad options for your major.<br>• Attend a Financing Your Study Abroad Program Workshop. |
| RUS 102: Elementary Russian II | 5 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| RUS 211: Conversational Russian I (G) | 3 | C | • Explore your career interest area. |
| RUS 201: Intermediate Russian I (G) | 5 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| | Term hours subtotal: | 15 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| RUS 212: Conversational Russian II (G) | 3 | C | • Meet with your academic advisor to explore internship and career opportunities in the U.S. State Department and Foreign Affairs.<br>• Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.<br>• Learn about internships, scholarships and awards for language and culture majors.<br>• Learn about research opportunities with the ASU Humanities Lab.<br>• Heritage speakers of Russian may take RUS 295 Russian for Heritage Speakers, a three credit course equivalent to RUS 202. |
| RUS 202: Intermediate Russian II (G) | 5 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| RUS 311: Russian Society I (G) | 3 | C | • Explore opportunities working for the Peace Corps. |
| Upper Division Russian Elective | 3 | C | |
| Related Area Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| RUS 312: Russian Society II (G) | 3 | C | • Plan ahead. Learn about national scholarship, fellowship and research opportunities.<br>• Attend an ASU Career Services workshop . |
| SLV 304: Digital Humanities for Language Majors (CS) OR SLV 440: History of Slavic Languages (SB) | 3 | C | |
| Upper Division Restricted Electives | 3 | C | |
| Upper Division Elective OR RUS 484: Internship | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| RUS 411: Russian Language, History and Culture I (G) OR RUS 412: Russian Language, History and Culture II (G) | 3 | C | • Develop your skills. |
| Upper Division Restricted Electives | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| | | Minimum | |
|---|---|---|---|

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ RUS 430: Russian Short Story (L or HU) | 3 | C | • Attend a Career Services workshop or career fair. |
| *Complete 4 courses:* Upper Division Elective | 12 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Related Area Course | Upper Division Russian Elective | Upper Division Restricted Electives |
|---|---|---|
| GCU 426: Geography of Russia and Surroundings (SB & G) | RUS 394: Special Topics | RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) |
| HST 304: Studies in European History | RUS 421: Pushkin (L or HU) | RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) & G) |
| HST 355: Total War and the Crisis of Modernity (SB & G & H) | RUS 425: Chekhov and Russian Drama (L or HU) | RUS 421: Pushkin (L or HU) |
| HST 435: The Russian Empire (SB & H) | RUS 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (L or HU) | RUS 425: Chekhov and Russian Drama (L or HU) |
| HST 436: Rise & Fall of Soviet Communism (SB & G & H) | RUS 440: Russian Mass Media (G) | RUS 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (L or HU) |
| MHL 363: Survey of Russian Music (HU) | RUS 493: Honors Thesis (L) | |
| POS 360: World Politics (SB & G) | RUS 494: Special Topics | |
| POS 467: International Security (SB & G) | RUS 499: Individualized Instruction | |
| POS 486: International Political Economy (SB & G) | | |
| REL 364: Islam in Eurasia and Central Asia | | |
| SLC 340: Approaches to International Cinema (HU & G) | | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sociology, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASOCBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select a career interest area and play me3@ASU.<br>• Choose Related Area courses from subject areas listed below. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Related Area Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 2** Elective | 3 | C | • Create a first draft resume. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SOC 201: Careers in Sociology | 1 | C | |
| Related Area Course | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| SOC Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 290: Introduction to Social Science Research | 3 | C | • Explore an internship |
| SOC Elective | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | • A maximum of six credits combined of SOC 399, SOC 484, and SOC 499 may apply to major electives. |
| Science and Society Elective | 3 | C | |
| *Complete 2 courses:* SOC Upper Division Elective | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 483: Sociological Theories (L or SB) | 3 | C | • Use Handshake to research employment opportunities |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Elective OR SOC 484: Internship | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 490: Advanced Sociological Research Methods OR SOC 491: Advanced Sociological Perspectives | 3 | C | • Gather professional references.<br>• A maximum of six credits combined of SOC 399, SOC 484, and SOC 499 may apply to major electives. |
| SOC Upper Division Elective | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 106 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC Upper Division Elective | 3 | C | • Apply for full-time career opportunities. |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| *Complete 2 courses:* Elective | 5 | | |
| Term hours subtotal: | 14 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
| --- |
| AFR OR APA OR ASB OR CAP OR CDE OR CRJ OR DST OR ECN OR FAS OR GCU OR HSC OR JHR OR JUS OR LAW OR OGL OR POS OR PSY OR SOC OR SOS OR SWU OR TCL OR WST Elective |

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Sociology, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LASOCBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 201: Careers in Sociology | 1 | C | • View ASU Online first-year student registration information here.<br>• Choose Related Area courses from the subject areas listed below. |
| Related Area Course | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 2** Elective | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 20 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 26 - 33 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC Elective | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Develop your skills |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 290: Introduction to Social Science Research | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 45 - 52 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 52 - 58 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) | 3 | C | |
| Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 58 - 64 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Develop your professional online presence |
| SOC Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 64 - 70 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC Upper Division Elective | 3 | C | • A maximum of six credits combined of SOC 399, SOC 484, and SOC 499 may apply to major electives. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 70 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 76 - 82 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 483: Sociological Theories (L or SB) | 3 | C | |
| Upper Division Elective | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 7 - B 82 - 88 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Science and Society Elective | 3 | C | |
| SOC Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 88 - 94 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SOC 490: Advanced Sociological Research Methods OR SOC 491: Advanced Sociological Perspectives | 3 | C | • Use Handshake to research employment opportunities |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 94 - 100 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 100 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SOC Upper Division Elective | 3 | C | • A maximum of six credits combined of SOC 399, SOC 484, and SOC 499 may apply to major electives. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 106 - 112 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 112 - 118 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SOC Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 118 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Elective | 2 | | • Apply for full-time career opportunities |
| Term hours subtotal: | 2 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/student-resources/science-society. At least one of the two courses must be upper division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Related Area Courses

AFR OR APA OR ASB OR CAP OR CDE OR CRJ OR DST OR ECN OR FAS OR GCU OR HSC OR JHR OR JUS OR LAW OR OGL OR POS OR PSY OR SOC OR SOS OR SWU OR TCL OR WST Elective

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Spanish - Linguistics, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASPABA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Only true beginners are eligible to take SPA 101 and are required to take a Spanish Placement Test.<br>• Learn about Spanish Language Intensive Courses.<br>• Engage in Spanish at ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| SPA 111: Fundamentals of Spanish OR SPA 110: Intensive Spanish I (G) | 4-6 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14-16 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Start planning to study abroad. Learn about Global Intensive Experience and/or faculty-directed summer programs in Argentina, Brazil, Cuba, Mexico, and Leon or Sevilla, Spain, offered through ASU Study Abroad and the School of International Letters and Cultures (SILC).<br>• Attend a Financing Your Study Abroad Workshop.<br>• Spanish offers a huge advantage if you are interested in working in the Peace Corps.<br>• Students who have earned credit for SPA 102, SPA 110, or SPA 111 may opt to take SPA 210 Intensive Spanish II in Term 2.<br>• Select your Career Interest Communities and play me3@ASU. |
| SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (C & G) | 4-6 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16-18 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (C & G) | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | |
|---|---|---|
| *Complete 2 courses:*<br>Elective | 6 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | |
| Term hours subtotal: | 14 | |

- Meet with a School of International Letters and Cultures academic advisor to discuss internships and scholarships and awards for language and culture majors.
- Upper-Division SPA course requirements for this major offered in subsequent terms have L, CS, HU, SB, C, G, and H designations that may be applied to university General Studies and Awareness Area requirements for the degree.

| **Term 4 44 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C) | 3 | C | • Proficiency in Spanish and/or Portuguese offers an advantage to those who are interested in U.S. State Department careers.<br>• Learn about research opportunities through the ASU Humanities Lab. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| **Term 5 60 - 75 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| POR 101: Elementary Portuguese I (G) OR POR 301: Portuguese for Spanish Speakers I | 3-4 | C | • Enroll in listed courses or meet with a SILC academic advisor to discuss the best study abroad options for your major.<br>• Explore your career interest area with your academic advisor. |
| SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15-16 | | |

| **Term 6 75 - 90 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| POR 102: Elementary Portuguese II (G) OR POR 302: Portuguese for Spanish Speakers II | 3-4 | C | • Learn about national scholarships, fellowships and research opportunities.<br>• Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.<br>• Use Handshake to research employment opportunities. |
| SPA 400: Fundamentals of Spanish Linguistics (SB & G) | 3 | C | |
| SPA 412: Advanced Conversation and Composition (G) OR SPA 416: Advanced Spanish Conversation and Composition for Spanish Heritage Learners (L) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15-16 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| SPA 418: Architecture of Spanish | 3 | C | • Develop your skills. |
| SPA 420: Applied Spanish Linguistics (L) | 3 | C | |
| Upper Division Spanish Elective | 3 | C | |

| | | |
|---|---|---|
| Upper Division Elective OR SPA 484: Internship | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 15 | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SPA 417: The Sounds of Spanish (CS or SB) | 3 | C | • Attend an ASU Career Services Workshop or Career Fair. |
| ★ SPA 419: Spanish Around the World (CS & C) | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

Upper Division Spanish Electives

- SPA 319: Business Correspondence and Communication (G)
- SPA 325: Introduction to Hispanic Literature (HU)
- SPA 385: Cinema and Culture of Spain (HU & G)
- SPA 394: Advanced Mayan Culture
- SPA 394: Angels or Devils: Women Rebels
- SPA 394: Business Spanish
- SPA 394: Hispanidades: Documenting Local Culture
- SPA 394: Human Rights in Argentina
- SPA 394: Latin American Political & Cultural Thought
- SPA 394: Transcultural Connections
- SPA 413: Spanish Grammar in Context (G)
- SPA 421: Spanish in the Southwest (C)
- SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)
- SPA 426: Literature and Society in Modern Spain (HU)
- SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)
- SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)
- SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)

SPA 470: Law, Societies and Justice in Latino-America (SB & G)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

SPA 472: Latin American Society: Five Case Studies (HU & H & G)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)

SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G)

SPA 475: Latin American Film ((L or HU) & G)

SPA 484: Internship

SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

SPA 492: Honors Directed Study

SPA 493: Honors Thesis (L)

SPA 494: Ancient and Modern Mayan Culture

SPA 494: Chicano cancionero and narco-corridos

SPA 494: Chicano/Chicana Film

SPA 494: Chicano/Chicana Literatura Infantil

SPA 494: Consumer Culture in Latin America

SPA 494: Ecocritical Approaches Latin Am Cultural Productn

SPA 494: Film, Literature in Leon&Barcelona, Spain

SPA 494: History of the Spanish Language

SPA 494: Latin American Graphic Narrative

SPA 494: Latin American Photography and Human Rights

SPA 494: Latin American Queer Cultures

SPA 494: Mass Media from Spain &the Global Media in Spanish

SPA 494: Mexican-American Cinema

SPA 494: Pirates, Travelers and Renegados

SPA 494: Spanish Culture through Selfies

SPA 494: Why is the Amazon Burning?

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Spanish - Literature and Culture, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LASPABA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first year students.<br>• Only true beginners are eligible to take SPA 101 and are required to request a permission override to register for this course. Students who have had previous experience in Spanish are required to take a Spanish Placement Test.<br>• Learn about Spanish Language Intensive Courses.<br>• SPA 101 and 102 or SPA 110 may be substituted for SPA 111.<br>• Engage in Spanish at ASU. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| SPA 111: Fundamentals of Spanish | 4 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Start to plan your study abroad experience. Learn about faculty-directed Global Intensive Experience and summer abroad programs in Argentina, Brazil, Costa Rica, Mexico, and Leon or Sevilla, Spain, offered through the ASU Study Abroad Office and the School of International Letters and Cultures.<br>• Attend a Financing Your Study Abroad Workshop.<br>• Students may opt to take SPA 210 Intensive Spanish II, a six credit course equivalent to SPA 201 and SPA 202 in Term 2.<br>• Activate your Handshake account and build out your profile. |
| SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (C & G) | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (C & G) | 4 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |

| | | |
|---|---|---|
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Elective | 3 | |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | |
| Term hours subtotal: | 14 | |

- Meet with a School of International Letters and Cultures academic advisor to discuss internships and scholarships and awards for language and culture majors.
- Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.
- Learn about research opportunities through the Humanities Lab.
- Select your Career Interest Communities and play me3@ASU.

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C) | 3 | C | • Proficiency in Spanish and/or Portuguese is a great advantage to those who wish to pursue a career with the U.S. Department of State or the Peace Corps.<br>• Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C) | 3 | C | • Enroll in listed courses or meet with a SILC academic advisor to discuss the best study abroad options for your major.<br>• Explore your career interest area with your academic advisor. |
| POR 101: Elementary Portuguese I (G) OR POR 301: Portuguese for Spanish Speakers I | 3-4 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15-16 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 325: Introduction to Hispanic Literature (HU) | 3 | C | • Many upper-division elective courses have prerequisites which may be taken as electives in earlier semesters.<br>• Learn about national scholarships, fellowships and research opportunities. |
| SPA 412: Advanced Conversation and Composition (G) or SPA 416: Advanced Spanish Conversation and Composition for Spanish Heritage Learners (L) | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| 4** (400-Level) Spanish Culture Course | 3 | C | • Develop your skills. |
| 4** (400-Level) Spanish Literature Course | 3 | C | |
| Upper Division Spanish Literature and Culture Electives | 3 | C | |

| | | |
|---|---|---|
| SPA Upper Division Elective | 3 | C |
| Upper Division Elective OR SPA 484: Internship | 3 | |
| Term hours subtotal: | 15 | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ 4** (400-Level) Spanish Literature Course | 3 | C | • Attend an ASU Career Services Workshop or Career Fair. |
| Upper Division Spanish Literature and Culture Electives | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

- Students in the Spanish BA literature concentration must choose two upper-division courses (six credit hours) of Spanish literature electives from a single regional option. Regional options include Latin American, Mexican American and Peninsular literature.

Hide Course List(s)/Track Group(s)

| 400-Level Spanish Literature Course | Upper Division Spanish Literature and Culture Electives | 400-Level Spanish Culture Course |
|---|---|---|
| SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU) | SPA 385: Cinema and Culture of Spain (HU & G) | SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) |
| SPA 426: Literature and Society in Modern Spain (HU) | SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU) | SPA 472: Latin American Society: Five Case Studies (HU & H & G) |
| SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) | SPA 426: Literature and Society in Modern Spain (HU) | SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) |
| SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) | SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) | SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) |
| SPA 429: Writing Mexico: Major Texts ((L or HU) & G) | SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) | |
| SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C) | SPA 429: Writing Mexico: Major Texts ((L or HU) & G) | |
| SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C) | SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C) | |
| SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala | SPA 470: Law, Societies and Justice in Latino-America (SB & G) | |
| | SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) | |
| | SPA 472: Latin American Society: Five Case Studies (HU & H & G) | |
| | SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) | |
| | SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) & G) | |

SPA 475: Latin American Film ((L or HU) & G)

SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L & C)

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

SPA 494: Ancient and Modern Mayan Culture

SPA 494: Chicano cancionero and narco-corridos

SPA 494: Chicano/Chicana Film

SPA 494: Chicano/Chicana Literatura Infantil

SPA 494: Consumer Culture in Latin America

SPA 494: Ecocritical Approaches Latin Am Cultural Productn

SPA 494: Film, Literature in Leon&Barcelona, Spain

SPA 494: History of the Spanish Language

SPA 494: Latin American Graphic Narrative

SPA 494: Latin American Photography and Human Rights

SPA 494: Latin American Queer Cultures

SPA 494: Mass Media from Spain &the Global Media in Spanish

SPA 494: Mexican-American Cinema

SPA 494: Pirates, Travelers and Renegados

SPA 494: Spanish Culture through Selfies

SPA 494: Why is the Amazon Burning?

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Spanish, BA

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LASPABA

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Only true beginners are eligible to take SPA 101 and are required to take a Spanish Placement Test. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SPA 101: Elementary Spanish I (G) | 4 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Take advantage of online tutoring.<br>• Utilize ASU libraries.<br>• View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities and play me3@ASU. |
| SPA 102: Elementary Spanish II (G) | 4 | C | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 15 - 22 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • Start to plan your study abroad experience. Learn about Global Intensive Experiences and summer abroad programs in Argentina, Brazil, Costa Rica, Mexico, and in Leon or Sevilla, Spain offered through ASU Study Abroad and the School of International Letters and Cultures .<br>• Schedule an appointment with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. |
| SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish I for Bilinguals (C & G) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 22 - 29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish II for Bilinguals (C & G) | 4 | C | |

| | | | |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major . |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 29 - 35 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Exploring Cultures: Words, Images, Stories (HU & G) | 3 | C | • Develop your skills. |
| SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Advanced Spanish I for Bilinguals (C) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 35 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L & C) | 3 | C | |
| Social-Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 41 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 325: Introduction to Hispanic Literature (HU) | 3 | C | • Connect with ASU Online Career and Professional Development Services. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 4 - B 48 - 54 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 412: Advanced Conversation and Composition (G) | 3 | | |
| Elective | 3 | | |
| Maintain 2.33 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 54 - 61 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Major Electives | 3 | C | • Create a first draft resume. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - B 61 - 67 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPA 400: Fundamentals of Spanish Linguistics (SB & G) | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 67 - 73 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ 4** (400-Level) Spanish Literature | 3 | C | • Use Handshake to research employment opportunities. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 73 - 79 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Earn credit toward your Spanish major abroad. Learn about your study abroad options.<br>• Explore an internship. |
| Upper Division Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 79 - 85 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ 4** (400-Level) SPA Culture or Linguistics Course | 3 | C | • Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 85 - 91 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | • Develop your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 91 - 97 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Spanish Literature, Linguistics and Culture Electives | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 97 - 103 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Spanish Literature, Linguistics and Culture Electives | 3 | C | • Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 103 - 109 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • Gather professional references. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 109 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ POR 101: Elementary Portuguese I (G) OR POR 301: Portuguese for Spanish Speakers I | 3-4 | C | • Three credit hours of POR 101 will be applied to the Spanish major requirements. The remaining one credit hour from POR 101 will be applied toward the 120 total credit hours required for graduation.<br>• Learn about ways to build skills. |
| Elective | 2 | | |
| Term hours subtotal: | 5-6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ Upper Division Spanish Literature, Linguistics and Culture Electives | | 3 | C |
| Elective | | 3 | |
| | Term hours subtotal: | 6 | |

- Attend a virtual career and internship fair event.

Hide Course List(s)/Track Group(s)

| 400-Level Spanish Literature | Upper Division Major Electives | 400-Level SPA Culture or Linguistics Course |
|---|---|---|
| SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU) | SPA 319: Business Correspondence and Communication (G) | SPA 417: The Sounds of Spanish (CS or SB) |
| SPA 426: Literature and Society in Modern Spain (HU) | SPA 394: Special Topics | SPA 418: Architecture of Spanish |
| SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) | SPA 413: Spanish Grammar in Context (G) | SPA 419: Spanish Around the World (CS & C) |
| SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) | SPA 414: Spanish for Sustainability and Environmental Studies | SPA 420: Applied Spanish Linguistics (L) |
| SPA 429: Writing Mexico: Major Texts ((L or HU) & G) | SPA 417: The Sounds of Spanish (CS or SB) | SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) |
| SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C) | SPA 418: Architecture of Spanish | SPA 472: Latin American Society: Five Case Studies (HU & H & G) |
| SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala | SPA 419: Spanish Around the World (CS & C) | SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) |
| SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C) | SPA 420: Applied Spanish Linguistics (L) | |
| | SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU) | |
| | SPA 426: Literature and Society in Modern Spain (HU) | |
| | SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) | |
| | SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G) | |
| | SPA 429: Writing Mexico: Major Texts ((L or HU) & G) | |
| | SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C) | |
| | SPA 470: Law, Societies and Justice in Latino-America (SB & G) | |
| | SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) | |
| | SPA 472: Latin American Society: Five Case Studies (HU & H & G) | |
| | SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) | |
| | SPA 484: Internship | |
| | SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala | |

SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)

SPA 494: Advanced Spanish for Healthcare

SPA 494: Spanish with a Legal Focus

Upper Division Spanish Literature, Linguistics and Culture Electives

SPA 394: Special Topics

SPA 417: The Sounds of Spanish (CS or SB)

SPA 418: Architecture of Spanish

SPA 419: Spanish Around the World (CS & C)

SPA 420: Applied Spanish Linguistics (L)

SPA 425: Understanding Spain: Literature and Culture Before 1700 (L or HU)

SPA 426: Literature and Society in Modern Spain (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) & G)

SPA 429: Writing Mexico: Major Texts ((L or HU) & G)

SPA 464: JaitÃ³n Works in Chicano/a Literature ((HU or SB) & C)

SPA 470: Law, Societies and Justice in Latino-America (SB & G)

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C)

SPA 472: Latin American Society: Five Case Studies (HU & H & G)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G)

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

SPA 494: Special Topics

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technological Leadership, BS

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LATECLDRBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 196: Fundamentals of Inquiry | 3 | C | • Students will complete 6 credits of lower division making electives; see Course Lists/Track Groups section to see full list of lower division making course electives. Consult with your academic advisor if you have questions about course learning objectives.<br>• Students interested in IPI 341 / IPI 441, SES 307 / SES 407 and/or graduate work should enroll in MAT 265 or MAT 270.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| Lower Division Making Elective | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Term hours subtotal: | 16-17 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 296: Inquiry (L) OR HUL 250: Introduction to Interdisciplinary Research (HU or SB) | 3 | C | • Students will complete 6 credits of lower division making electives; see Course Lists/Track Groups section to see full list of lower division making course electives. Consult with your academic advisor if you have questions about course learning objectives.<br>• Create a first draft resume.<br>• Join a student club or professional organization. |
| Lower Division Making Elective | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| IPI 400: Fundamentals of Career Success | 2 | C | |
| Science and Society Elective | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Summer 2 30 - 42 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | C | |
| IPI 484: Internship | 3 | Y | |

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | |
| Social-Behavioral Sciences (SB) | 3 | |
| Term hours subtotal: | 12 | |

| Term 3 42 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 496: Advanced Inquiry | 3 | C | • Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives. |
| Upper Division Making Elective | 3 | C | |
| AME 230: Programming for the Media Arts (CS) OR CSE 110: Principles of Programming (CS) | 3 | C | |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 18 | | |

| Term 4 60 - 76 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 496: Advanced Inquiry | 3 | C | • Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives.<br>• Develop your professional online presence. |
| Upper Division Making Elective | 3 | C | |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Upper Division Leadership Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 16 | | |

| Summer 4 76 - 89 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 484: Internship | 6 | Y | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 5 89 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 496: Advanced Inquiry | 3 | C | • Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives.<br>• Use Handshake to research employment opportunities. |
| Upper Division Making Elective | 3 | C | |
| IPI 402: Technological Leadership Career Exploration | 1 | C | |
| PSY 302: The Psychology of Positive Leadership | 3 | C | |
| Upper Division Leadership Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 6 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| IPI 496: Advanced Inquiry | 3 | C | |
| Upper Division Making Elective | 3 | C | |
| Upper Division Leadership Elective | 3 | C | |
| Upper Division Science and Society Elective | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) ( GPH 314 recommended) | 3 | | |
| Term hours subtotal: | 15 | | |

- Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives.
- Apply for full-time career opportunities.

- All students pursuing a B.S. or B.S.P. degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses.Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
- Selecting Making Electives:In consultation with an academic advisor students must select and complete 6 lower division and 12 upper division making course electives. Students interested in IPI 341 / IPI 441, SES 307 / SES 407 should plan to enroll in MAT 265 or MAT 270.

Hide Course List(s)/Track Group(s)

| Lower Division Making Electives (choose 6 credits) | Upper Division Making Electives (choose 12 credits) | Upper Division Leadership Electives (choose 9 credits) |
|---|---|---|
| AME 240: Introduction to Physical Computing | AME 330: Digital-Physical Systems | FIS 432: Problem Solving Through Strategic Thinking |
| HDA 296: Creative Futures: Studio | HDA 496: Creative Futures: Advanced Studio | MGT 380: Management and Strategy for Nonmajors |
| IPI 241: Designing and Making (Electronics and Programming) | IPI 341: Designing and Making (3D Printing and Fabrication) | OGL 300: Theory and Practice of Leadership |
| | IPI 441: Designing and Making: Advanced Projects | OGL 345: Organizational Ethics (HU) |
| | SES 307: Space Works I: Design, Build, Test | PMG 320: Project Approaches |
| | SES 407: Space Works II: Model, Fabricate, Test | SOC 334: Technology and Society (L or SB) |
| | | WPC 300: Problem Solving and Actionable Analytics |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Technological Leadership, BS

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
LATECLDRBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 196: Fundamentals of Inquiry | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar is required for all first-year students.<br>• Select your Career Interest Communities and play me3@ASU. |
| ASU 101-LA: The ASU Experience | 1 | | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Lower Division Making Elective | 3 | C | • Students will complete 6 credits of lower division making electives; see Course Lists/Track Groups section to see full list of lower division making course electives. Consult with your academic advisor if you have questions about course learning objectives.<br>• View ASU Online first-year student registration information here. |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus for Engineers I (MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HUL 250: Introduction to Interdisciplinary Research (HU or SB) OR IPI 296: Inquiry (L) | 3 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 10 | | |

| Term 2 - B 26 - 35 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Lower Division Making Elective | 3 | C | • Students will complete 6 credits of lower division making electives; see Course Lists/Track Groups section to see full list of |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |

| | | |
|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 9 | |

lower division making course electives. Consult with your academic advisor if you have questions about course learning objectives.

- Create a first draft resume.

| Summer 2 35 - 44 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 484: Internship | 3 | Y | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 44 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 496: Advanced Inquiry | 3 | C | |
| STP 226: Elements of Statistics (CS) | 3 | C | |
| Science and Society Elective | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 53 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Making Elective | 3 | C | • Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives. |
| AME 230: Programming for the Media Arts (CS) OR CSE 110: Principles of Programming (CS) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Complete First-Year Composition requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 59 - 64 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 496: Advanced Inquiry | 3 | C | |
| IPI 400: Fundamentals of Career Success | 2 | C | |
| Term hours subtotal: | 5 | | |

| Term 4 - B 64 - 73 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Making Elective | 3 | C | • Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives. |
| COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions | 3 | C | |
| Upper Division Leadership Elective | 3 | C | |
| Term hours subtotal: | 9 | | |

- Develop your professional online presence.

| Summer 4 73 - 85 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| IPI 484: Internship | 6 | Y | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

| Term 5 - A 85 - 95 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IPI 496: Advanced Inquiry | 3 | C | |
| IPI 402: Technological Leadership Career Exploration | 1 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 10 | | |

| Term 5 - B 95 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Making Elective | 3 | C | • Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives.<br>• Use Handshake to research employment opportunities. |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Upper Division Leadership Elective | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 10 | | |

| Term 6 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ IPI 496: Advanced Inquiry | 3 | C | |
| PSY 302: The Psychology of Positive Leadership | 3 | C | |
| Upper Division Leadership Elective | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Making Elective | 3 | C | • Students will complete 12 credits of upper division making electives; see Course Lists/Track Groups section to see full list of upper division making course electives. Consult with your academic advisor if you have questions about course learning objectives.<br>• Gather professional references. |
| Upper Division Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

- 
  - All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.
  - Selecting Making Electives:In consultation with an academic advisor, students must select and complete six lower division and 12 upper division "Making" course electives. Students interested in IPI 341 and IPI 441 should plan to enroll in MAT 265 or MAT 270.

Hide Course List(s)/Track Group(s)

Lower Division Making (choose 6 credits)

| | | |
|---|---|---|
| HDA 296: Creative Futures: Studio | Upper Division Making Electives (choose 12 credits) | Upper Division Leadership Electives (choose 9 credits) |
| IPI 241: Designing and Making (Electronics and Programming) | HDA 496: Creative Futures: Advanced Studio | FIS 432: Problem Solving Through Strategic Thinking |
| | IPI 341: Designing and Making (3D Printing and Fabrication) | LSE 305: Conceptualizing Learning: Theories in Practice |
| | IPI 441: Designing and Making: Advanced Projects | MGT 380: Management and Strategy for Nonmajors |
| | | OGL 300: Theory and Practice of Leadership |
| | | OGL 345: Organizational Ethics (HU) |
| | | PMG 320: Project Approaches |
| | | SOC 334: Technology and Society (L or SB) |
| | | WPC 300: Problem Solving and Actionable Analytics |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Transborder Chicana/o and Latina/o Studies, BA

School/College: The College of Liberal Arts and Sciences
Location: Tempe
LATCLBA

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish.<br>• Select your Career Interest Communities and play me3@asu. |
| TCL 101: Latinas/os in the U.S. (HU & C) | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Activate your Handshake account and build out your profile<br>• Create a first draft resume |
| Border Studies Track Course | 3 | C | |
| Second Language: Requirement satisfied through the following:<br>* Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C) OR TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C) OR TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) & C) OR TCL 230: The Expressive Culture of Latin America and the Caribbean: A Transborder Perspective | 3 | C | • Join a student club or professional organization<br>• Secure a part-time job or volunteer experience<br>• Explore opportunities to study abroad |

| | | |
|---|---|---|
| ((L or HU or SB) & C) OR ASB 220: The Expressive Culture of Latin America and the Caribbean: A Transborder Perspective ((L or HU or SB) & C) | | |
| Second Language: Requirement satisfied through the following:<br>* Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Natural Science - Quantitative (SQ) | 4 | |
| Complete Mathematics (MA) requirement. | | |
| Complete First-Year Composition requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Chicana/o and Latina/o Communities in the U.S. Track Course | 3 | C | • Completion of The College Second Language requirement is recommended by Term 4<br>• Explore an internship<br>• Thinking about graduate school or law school? Consider registering for a grad school test prep course |
| Second Language: Requirement satisfied through the following:<br>* Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C | |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 17 | | |

| Term 5 61 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TCL 303: Transborder Theory (SB) OR SOC 303: Transborder Theory (SB) | 3 | C | • Language requirement for the major may be fulfilled by AP Spanish credit earned<br>• Develop your professional online presence |
| Border Studies Track Course | 3 | C | |
| Language Requirement Track Course | 3 | C | |
| Global Awareness (G) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 76 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TCL 304: Transborder Research Methods (SB & C) | 3 | C | • Use Handshake to research employment opportunities<br>• Complete an in-person or virtual practice interview |
| Upper Division Research/Project/Service Learning Track Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 91 - 106 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TCL 305: Transborder Practicum and Field Research OR TCL 498: Pro-Seminar | 3 | C | • Gather professional references<br>• Attend career fairs, workshops, and related events offered by Career and Professional Development Services<br>• Apply for full-time career opportunities |
| Chicana/o and Latina/o Communities in the U.S. Track Course | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |

| | | | |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 106 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ Upper Division Research/Project/Service Learning Track Course | 3 | C | • Apply for full-time career opportunities |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Elective | 2 | | |
| Term hours subtotal: | 14 | | |

Hide Course List(s)/Track Group(s)

| Border Studies | Chicana/o and Latina/o Communities in the U.S. | Research/Project/Service Learning |
|---|---|---|
| TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C) | TCL 111: Latinx Cultural Studies (HU & C) | TCL 305: Transborder Practicum and Field Research |
| TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C) | TCL 210: Introduction to Ethnic Studies in the U.S. (C) | TCL 321: Transborder Community Development and Health |
| TCL 310: Folklore of the Southwest (HU & C) | TCL 211: Latinx Poetics (HU & C) | TCL 355: Transborder Digital Media Making |
| TCL 331: Mexican American History to 1900 (SB & H & C) | TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) & C) | TCL 484: Internship |
| TCL 332: Mexican American History Since 1900 (SB & H & C) | TCL 230: The Expressive Culture of Latin America and the Caribbean: A Transborder Perspective ((L or HU or SB) & C) | TCL 490: Transborder Queer Performativity (HU & C) |
| TCL 348: The Borders of Language (L) | TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C) | TCL 492: Honors Directed Study |
| TCL 422: U.S.-Mexico Border Health | TCL 315: Latinx Family Structures (SB) | TCL 493: Honors Thesis (L) |
| TCL 443: Political Ecology of the Border (SB & G) | TCL 323: Latina/o Health Issues (SB & C) | TCL 498: Pro-Seminar |
| TCL 444: The Ethnography of Mexico and the Borderlands (SB & G) | TCL 326: Health of Chicanas and Latinas (SB & C) | TCL 499: Individualized Instruction |
| | TCL 327: Health and Migration (SB) | |
| | TCL 335: Historical Studies in Race, Crime, and the Law | |
| | TCL 340: Chicana/o and Latina/o Politics and Policy (L & C) | |
| | TCL 341: Latinas/os and the City (C) | |
| | TCL 342: Social Demographics of Latino Populations (SB & C) | |
| | TCL 343: Latinas/os and the Environment | |
| | TCL 352: Chicana/o Film (C) | |
| | TCL 360: Inequality and Diversity in Education (L & C) | |

| | |
|---|---|
| | TCL 362: Urban Communication: Reinventing the Latinx City |
| | TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) |
| | TCL 373: Latina/Chicana Issues (SB & C) |
| | TCL 377: Arizona, Immigration, Latinos and Politics |
| | TCL 410: Race, Medicine, and the Body (L) |
| | TCL 447: Gender, Culture, and Development ((L or SB) & G) |
| | TCL 464: Latina/o Literature ((L or HU) & C) |
| | TCL 471: Latinos In Hollywood (HU & C) |
| | TCL 485: Chicana and Latina Writers ((L or HU) & C) |
| Language Requirement | |
| SPA 3** Elective | |
| SPA 4** Elective | |
| TCL 275: Culture, Language and Learning (SB & C) | |
| TCL 348: The Borders of Language (L) | |
| TCL 371: Language Hegemony and Culture | |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Urban Planning, BSP

School/College: The College of Liberal Arts and Sciences
Location: Tempe
ARPUPBSP

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Set up yourHandshake account, play me3@ASU and select your career interest area. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| LIA 101: Student Success in The College of Liberal Arts and Sciences | 1 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • Join a student club or professional organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| GIS OR PUP Elective | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G) | 3 | C | • For a full list of Science and Society courses, go here.<br>• Visit the SGSUP Career Development page to schedule a meeting with your career advisor for assistance with career planning and networking. |
| Science and Society Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 13 | | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PUP 301: Introduction to Urban Planning (L) | 3 | C | • Students interested in finding an internship should start investigating internship opportunities and researching potential internship sites. Students can earn academic credit while completing an internship.<br>• Create your professional online presence on LinkedIn. |
| GIS 270: Statistics for Geography and Planning | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PUP Upper Division Elective | 3 | C | • For more information about the Science and Society requirement, visit this webpage.<br>• Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest.<br>• Students interested in pursuing an accelerated master's degree in urban and environmental planning should initiate contact with graduate advising. |
| Upper Division Science and Society Elective | 3 | C | |
| Related Area Course | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PUP Upper Division Elective OR PUP 484: Internship | 3 | C | • Visit the SGSUP Career Development page to schedule a meeting with your career advisor for resume review, mock interviewing, or advisement on job searching.<br>• Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available here. |
| Related Area Course | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PUP Upper Division Elective OR PUP 484: Internship | 3 | C | • Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available at the School of |
| GIS OR PUP Upper Division Elective | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

Geographical Sciences & Urban Planning Job List, ACSP Career Page, and APA Career Center.
- Use Handshake to search for employment opportunities.

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PUP 424: Planning Methods | 4 | C | • Use SGSUP Employment Opportunities site to find full-time or part-time employment opportunities.<br>• Don't forget to apply for graduation!<br>• Stay connected with the School of Geographical Sciences and Urban Planning by connecting on LinkedIn . |
| Related Area Course | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| *Complete 2 courses:*<br>Upper Division Elective | 5 | | |
| Term hours subtotal: | 15 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| ALA OR ASB OR GCU OR GIS OR GPH OR PUP OR SGS OR SOC OR SOS Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Urban Planning, BSP

School/College: The College of Liberal Arts and Sciences
Location: Online, ASU Local
ARPUPBSP

| Term 1 - A 0 - 7 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-LA: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Set up your Handshake, playme3and select yourcareer interest area. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G) | 3 | C | • View ASU Online first-year student registration information here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • Join a student club or professional organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS OR PUP Elective | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

- Visit the SGSUP Career Development page to schedule a meeting with your career advisor for assistance with career planning and networking.

| Term 3 - B 32 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Complete First-Year Composition requirement. | | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 38 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| GIS 270: Statistics for Geography and Planning | 3 | C | • Students interested in finding an internship should start investigating internship opportunities and researching potential internship sites. Students can earn academic credit while completing an internship. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Related Area Course | 3 | C | • Create your professional online presence on LinkedIn. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PUP 301: Introduction to Urban Planning (L) | 3 | C | • Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. |
| Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Science and Society Elective | 3 | C | • For a full list of Science and Society courses, go here.<br>• Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs, including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available here. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PUP Upper Division Elective OR PUP 484: Internship | 3 | C | • Visit the SGSUP Career Development page to schedule a meeting with your career advisor for resume review, mock interviewing, or advisement on job searching. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | • Search available internships on the SGSUP Internship Opportunities site. |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PUP Upper Division Elective OR PUP 484: Internship | 3 | C | • For more information on the Science and Society requirement, go to this webpage.<br>• Students interested in entering the job market after graduation should be reviewing the SGSUP employment opportunities site. |
| Upper Division Science and Society Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | • Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available at the School of Geographical Sciences and Urban Planning job list, ACSP career page, and APA Career Center. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PUP Upper Division Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 104 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 2 | | |

| | | |
|---|---|---|
| Elective | 3 | |
| Term hours subtotal: | 5 | |

| Term 9 - B 104 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PUP 424: Planning Methods | 4 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ GIS OR PUP Upper Division Elective | 3 | C | • Explore career opportunities on Handshake and SGSUP's Employment Opportunities page.<br>• Don't forget to apply for graduation!<br>• Stay connected with the School of Geographical Sciences and Urban Planning by connecting on LinkedIn. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 3 | | |

- All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

| Related Area Courses |
|---|
| ALA OR ASB OR GCU OR GIS OR GPH OR PUP OR SGS OR SOC OR SOS Elective |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

**Total Hours:** 120 **General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum
**Total College Residency Hrs:** 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Applied Science (Health Entrepreneurship and Innovation), BAS

School/College: Edson College of Nursing and Health Innovation
Location: Downtown Phoenix, West
NUHCIBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 311: Health Innovation: Foundational Concepts | 3 | C | • Update your resume.<br>• Join a professional organization.<br>• Activate your Handshake account and build your profile. |
| ★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing | 3 | C | |
| ★ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | |
| *Complete 2 courses:*<br>Any needed lower division General Studies requirement OR Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU) OR BIS 345: Organizational Ethics (HU) or OGL 345: Organizational Ethics (HU) OR IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) OR LES 305: Business Law and Ethics for Managers OR MED 320: Applied Medical/Health Care Ethics (HU) OR PHI 306: Applied Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) | 3 | C | • Students with a transfer statistics course may take an elective. Please check with your advisor.<br>• Students with transfer courses meeting ASU's Humanities, Arts and Design (HU) requirements may take an elective. Please check with your advisor.<br>• Develop your professional online presence.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share |
| ★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | |

| | | | |
|---|---|---|---|
| ★ STP 226: Elements of Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS) OR STP 420: Introductory Applied Statistics (CS) OR SOC 390: Social Statistics I (CS) | 3 | C | up to 11-12 credit hours to accelerate completion of a master's degree. |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7 90 - 105 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| *Complete 2 courses:*<br>★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 6 | C | • Explore graduate programs including the Master of Healthcare Innovation (MHI) degree at ASU.<br>• Gather academic and professional references.<br>• Complete an in person or virtual practice interview. |
| ★ HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | |
| ★ HCR 406: Health Literacy for Health Care Professionals | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ BIS 343: Social Processes in Organizations (SB) OR BIS 353: Interdisciplinary Leadership (SB) OR COM 430: Leadership in Group Communication OR OGL 350: Diversity and Organizations (L & C) OR OGL 355: Leading Organizational Innovation and Change OR PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) | 3 | C | • Connect with us as a member of our alumni community.<br>• Update your resume.<br>• Use Handshake to research employment opportunities. |
| *Complete 2 courses:*<br>★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Health Entrepreneurship and Innovation), BAS

School/College: Edson College of Nursing and Health Innovation
Location: Online, ASU Local
NUHCIBAS

| **Applicable Community College Prerequisites 0 - 60 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| **Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ HCI 311: Health Innovation: Foundational Concepts | 3 | C | • Update your resume.<br>• Join a professional organization. |
| ★ TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| **Term 5 - B 66 - 75 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ BIS 345: Organizational Ethics (HU) or OGL 345: Organizational Ethics (HU) OR LES 305: Business Law and Ethics for Managers OR MED 320: Applied Medical/Health Care Ethics (HU) OR PHI 306: Applied Ethics (HU) OR PHI 320: Bioethics (HU) OR PHI 360: Business and Professional Ethics (HU) | 3 | C | • Students with a transfer statistics course may take an elective. Please check with your advisor.<br>• Students with transfer courses meeting general studies may take electives. Please check with your advisor for details.<br>• Activate your Handshake account and build your profile. |
| ★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing | 3 | C | |
| ★ STP 226: Elements of Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS) OR STP 420: Introductory Applied Statistics (CS) OR SOC 390: Social Statistics I (CS) | 3 | C | |
| Term hours subtotal: | 9 | | |

| **Term 6 - A 75 - 81 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ BIS 343: Social Processes in Organizations (SB) OR BIS 353: Interdisciplinary Leadership (SB) OR COM 430: Leadership in Group Communication OR OGL 350: Diversity and Organizations (L & C) OR OGL 355: Leading Organizational Innovation and Change OR | 3 | C | • Develop your professional online presence.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS |

| | | | |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) | | | in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree. |
| ★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 81 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Develop your skills. |
| ★ HCR 406: Health Literacy for Health Care Professionals | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | • Explore graduate programs including the Master of Healthcare Innovation (MHI) degree at ASU.<br>• Gather academic and professional references. |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Complete a virtual practice interview. |
| Upper Division Elective | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Update your resume.<br>• Use Handshake to research employment opportunities. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation | | | • Connect with us as a member of our alumni community. |

| | | | |
|---|---|---|---|
| ★ | OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C |
| | *Complete 2 courses:*<br>Any needed lower division General Studies requirement OR Elective | 6 | |
| | Term hours subtotal: | 9 | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Community Health, BS

School/College: Edson College of Nursing and Health Innovation
Location: Downtown Phoenix, West, ASU at Lake Havasu
NUCHLTBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities, play me3@ASU and review academic programs.<br>• Activate your Handshake account and build out your profile.<br>• Meet with your First-Year Success Coach.<br>• Review the Edson College Student Experience opportunities.<br>• An internship or experiential learning is required for this degree program. |
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| MAT course (MA) ( MAT 142 OR MAT 117 recommended) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Create a first draft resume.<br>• Secure a part-time job or volunteer experience.<br>• Attend a Study Abroad 101 Session.<br>• Explore engagement opportunities in the Edson College of Nursing and Health Innovation.<br>• Join a student club or professional organization. |
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Explore minors or certificates. |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |

| | | |
|---|---|---|
| HCR 230: Culture and Health (C & G) | 3 | C |
| MIC 205: Microbiology (SG) | 3 | C |
| MIC 206: Microbiology Laboratory (SG) | 1 | C |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 231: Fundamentals of Community Health | 3 | C | • Explore internship opportunities. Connect with your advisor to learn more about the internship or experiential learning requirement for this degree program.<br>• Schedule an appointment with your advisor to review your academic progress. |
| HCR 240: Human Pathophysiology | 4 | C | |
| NTR 241: Human Nutrition | 3 | C | |
| SOC course (SB) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health OR HCR 336: Environmental Community Health | 3 | C | • Develop your professional online presence.<br>• Complete informational interviews. |
| HCR 430: Foundation to Health Care Systems | 3 | C | |
| TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | |
| CHS 340: Health Theory | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 301: Research Methods for the Health Care Professional | 3 | C | • Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.<br>• Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview.<br>• An internship or experiential learning course is required for degree completion. Connect with your advisor to review options. |
| HCR 303: Assessing Needs, Assets and Capacity for Health Education | 3 | C | |
| *Complete 2 courses:*<br>HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health OR HCR 336: Environmental Community Health | 6 | C | |
| SOC 352: Social Change (SB & G & H) OR HCR 471: Interprofessional Education and Community Health | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation, MS in Aging, MS in Health Care Simulation, the MS in Regulatory Science, and the MS in Nursing (Entry to Nursing Practice).<br>• Gather professional references. |
| HCR 406: Health Literacy for Health Care Professionals | 3 | C | |
| HCR 435: Leaders in Community Health | 3 | C | |
| Internship or Experiential Learning | 1 | | |

| | | | |
|---|---|---|---|
| HCI 311: Health Innovation: Foundational Concepts | 3 | C | • Update your resume. |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 439: Community Health Capstone | 3 | C | • Apply for full-time career opportunities.<br>• Connect with us as a member of our alumni community. |
| HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | |
| PAF 311: Leadership and Change (SB) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

- An internship, research, or experiential learning course is required for all students in the BS Community Health degree program. Please reach out to your assigned advisor for more information about this requirement.

Hide Course List(s)/Track Group(s)

| Internship or Experiential Learning |
|---|
| HCI 484: Internship |
| HCR 280: Team-Based Research Practicum |
| HCR 471: Interprofessional Education and Community Health |
| HCR 472: Interprofessional Education and Complex Health |
| HCR 473: Interprofessional Education and Comprehensive Systems Health |
| HCR 480: Advanced Team-Based Research Practicum |
| HCR 484: Internship |
| HCR 493: Honors Thesis (L) |
| NUR 493: Honors Thesis (L) |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Community Health, BS

School/College: Edson College of Nursing and Health Innovation
Location: Online, ASU Local
NUCHLTBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Become familiar with the student focused services and perks available to ASU Online students.<br>• Review library resources.<br>• An internship or experiential learning is required for this degree program. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAT course (MA) ( MAT 142 OR MAT 117 recommended) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Select your Career Interest Communities, play me3@ASU and review academic programs.<br>• Create a first draft resume.<br>• Explore study abroad options.<br>• View ASU Online first-year student registration information here. |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 21 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Secure a part-time job or volunteer experience. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 21 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Apply for a study abroad experience.<br>• Join a professional organization. |
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |

| | | |
|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 9 | |

| Term 3 - A 30 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 230: Culture and Health (C & G) | 3 | C | • Develop your skills. |
| MIC 205: Microbiology (SG) | 3 | C | |
| MIC 206: Microbiology Laboratory (SG) | 1 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Explore Career Webinars. |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 231: Fundamentals of Community Health | 3 | C | • Explore Career Advising. |
| SOC course (SB) ( SOC 101 recommended) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 53 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 240: Human Pathophysiology | 4 | C | • Explore an internship opportunities. Connect with your advisor to learn more about the internship or experiential learning requirement for this degree program.<br>• Schedule an appointment with your advisor to review your academic progress. |
| NTR 241: Human Nutrition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | • Explore the Career Guide. |
| CHS 340: Health Theory | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 66 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health | 3 | C | • Develop your professional online presence. |
| HCR 430: Foundation to Health Care Systems | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 301: Research Methods for the Health Care Professional | 3 | C | |

| | | |
|---|---|---|
| HCR 303: Assessing Needs, Assets and Capacity for Health Education | 3 | C |
| HCR 336: Environmental Community Health | 3 | C |
| Term hours subtotal: | 9 | |

- Use Handshake to research employment opportunities.
- Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for students to share up to 11-12 credit hours to accelerate completion of a master's degree.

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 331: Communication within Communities OR HCR 335: Program Development and Management for Community Health | 3 | C | • Complete an in person or virtual practice interview.<br>• An internship or experiential learning course is required for degree completion. Connect with your advisor to review options. |
| SOC 352: Social Change (SB & G & H) | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 90 - 97 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation, the MS in Aging, and MS in Regulatory Science. |
| HCR 435: Leaders in Community Health | 3 | C | |
| HCR 484: Internship | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 7 - B 97 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 406: Health Literacy for Health Care Professionals | 3 | C | • Gather professional references.<br>• Update your resume. |
| HCI 311: Health Innovation: Foundational Concepts | 3 | C | |
| Elective | 2 | | |
| Term hours subtotal: | 8 | | |

| Term 8 - A 105 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Apply for full-time career opportunities. |
| PAF 311: Leadership and Change (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 439: Community Health Capstone | 3 | C | • Connect with us as a member of our alumni community. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

•

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Care Compliance and Regulations, BS

School/College: Edson College of Nursing and Health Innovation
Location: Downtown Phoenix
NUHCCRBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities, play me3@ASU and review academic programs.<br>• Activate your Handshake account and build out your profile.<br>• Create a first draft resume.<br>• Explore study abroad options.<br>• Search for on-campus employment. |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| HCR 259: Compliance and the Health Care Industry | 4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) ( MAT 117 recommended) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | • Secure a part time job or volunteer experience.<br>• Apply for a study abroad experience.<br>• Explore student leadership opportunities in the Edson College of Nursing and Health Innovation.<br>• Join a student club or professional organization. |
| HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance | 3 | C | |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) ( BIO 100 recommended) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 264: Regulatory Essentials of Compliance Program Design I | 3 | C | • Develop your skills. |
| ACC 231: Uses of Accounting Information I | 3 | C | |
| BMI 201: Introduction to Clinical Informatics | 3 | C | |
| COM 259: Communication in Business and the Professions OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) | 3 | C | |

| | | |
|---|---|---|
| SOC course (SB) ( SOC 101 recommended) OR PSY course (SB) ( PSY 101 recommended) OR HEP 100: Introduction to Health and Wellness (SB) OR INT 131: Design and Human Behavior (SB) | 3 | C |
| Complete First-Year Composition requirement. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 15 | |

| Term 4 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance | 3 | C | • Please note that LES 305 in Term 6 requires a minimum 2.00 cumulative GPA for registration.<br>• Explore internships. |
| HCR 265: Regulatory Essentials of Compliance Program Design II | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 15 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 350: Introduction to Clinical Research | 3 | C | • Develop your professional online presence.<br>• OMT 343 is only offered during the fall semester. |
| HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance | 3 | C | |
| HCR 362: Monitoring and Auditing for Health Care Compliance | 3 | C | |
| OMT 343: Occupational Safety and Ergonomics | 3 | C | |
| PMG 240: Introduction to Project Management | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview. |
| HCR 460: Investigations and Disclosures in Health Care Compliance | 3 | C | |
| HCR 430: Foundation to Health Care Systems OR HCD 330: Health Care Systems in the U.S. | 3 | C | |
| LES 305: Business Law and Ethics for Managers | 3 | C | |
| PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries OR TMC 330: Leading the Enterprise | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 461: Corrective and Preventive Action Plans | 3 | C | • Explore graduate programs including the MS Regulatory Science program.<br>• Gather professional references.<br>• Update your resume. |
| Internship or Experiential Learning | 1 | | |
| TWC 347: Written Communication for Managers (L) OR ENG 301: Writing for the Professions (L) | 3 | C | |

| | | |
|---|---|---|
| Social-Behavioral Sciences (SB) AND Global Awareness (G) AND Cultural Diversity in the U.S. (C) | 3 | • Advanced MS Excel skills recommended by industry. |
| Elective ( CIS 308 recommended) | 3 | |
| Elective | 2 | |
| Term hours subtotal: | 15 | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 463: Capstone Project Health Care Compliance | 4 | C | • Apply for full-time career opportunities.<br>• Connect with us as a member of our alumni community. |
| TWC 446: Technical and Scientific Reports (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Humanities, Arts and Design (HU) ( ART 110 OR CEE 181 OR CON 101 OR FMP 201 recommended) | 3 | | |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

| Internship or Experiential Learning |
|---|
| HCI 484: Internship |
| HCR 294: Special Topics |
| Note: Only HCR 294 Research Lab courses are allowed. |
| HCR 471: Interprofessional Education and Community Health |
| HCR 472: Interprofessional Education and Complex Health |
| HCR 473: Interprofessional Education and Comprehensive Systems Health |
| HCR 484: Internship |
| HCR 493: Honors Thesis (L) |
| HCR 494: Special Topics |
| Note: Only HCR 494 Research Lab courses are allowed. |
| NUR 493: Honors Thesis (L) |

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- • Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Care Compliance and Regulations, BS

School/College: Edson College of Nursing and Health Innovation
Location: Online, ASU Local
NUHCCRBS

| Term 1 - A 0 - 5 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Become familiar with the student focused services and perks available to ASU Online students.<br>• Review library resources. |
| HCR 259: Compliance and the Health Care Industry | 4 | C | |
| Term hours subtotal: | 5 | | |

| Term 1 - B 5 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | • View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities, play me3@ASU, and review academic programs.<br>• Create a first draft resume.<br>• Explore study abroad options. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) ( MAT 142 OR MAT 117 recommended) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 14 - 23 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | • Secure a part-time job or volunteer experience. |
| CIS 105: Computer Applications and Information Technology (CS) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 23 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance | 3 | C | • Apply for a study abroad experience. |
| Natural Science - Quantitative (SQ) ( BIO 100 recommended) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 - A 30 - 39 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| HCR 264: Regulatory Essentials of Compliance Program Design | 3 | C | • Develop your skills. |
| ACC 231: Uses of Accounting Information I | 3 | C | |
| SOC course (SB) ( SOC 101 recommended) OR PSY course (SB) ( PSY 101 recommended) OR HEP 100: Introduction to Health and Wellness (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 3 - B 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BMI 201: Introduction to Clinical Informatics | 3 | C | |
| COM 259: Communication in Business and the Professions OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 45 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | • Explore an internship. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 2 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 54 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 262: Health Care Licensure, Professional Development and Practice OR HCR 263: Introduction to Medical Billing and Compliance | 3 | C | • Schedule an appointment with your advisor to review your academic progress. |
| HCR 265: Health Care Compliance Essentials | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance | 3 | C | • Develop your professional online presence. |
| HCR 362: Monitoring and Auditing for Health Care Compliance | 3 | C | |
| PMG 240: Introduction to Project Management | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 350: Introduction to Clinical Research | 3 | C | • Complete informational interviews.<br>• OMT 343 is only offered during the fall semester. |
| OMT 343: Occupational Safety and Ergonomics | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance | 3 | C | • Use Handshake to research employment opportunities. |
| LES 305: Business Law and Ethics for Managers | 3 | C | |

| | | | |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries OR TMC 330: Leading the Enterprise | 3 | C | • Complete an in person or virtual practice interview. |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 460: Investigations and Disclosures in Health Care Compliance | 3 | C | • Explore internships. |
| HCR 430: Foundation to Health Care Systems OR HCD 330: Health Care Systems in the U.S. | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 90 - 98 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 461: Corrective and Preventive Action Plans | 3 | C | • Explore graduate programs including the MS in Regulatory Science program.<br>• Gather professional references.<br>• Update your resume. |
| ★ HCR 484: Internship | 1 | Y | |
| TWC 347: Written Communication for Managers (L) OR ENG 301: Writing for the Professions (L) | 3 | C | |
| Upper Division Elective | 1 | | |
| Term hours subtotal: | 8 | | |

| Term 7 - B 98 - 104 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Social-Behavioral Sciences (SB) AND Global Awareness (G) AND Cultural Diversity in the U.S. (C) | 3 | | • Apply for full-time career opportunities.<br>• Advanced MS Excel skills recommended by industry. |
| Elective ( CIS 308 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 104 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 463: Capstone Project Health Care Compliance | 4 | C | |
| TWC 446: Technical and Scientific Reports (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 8 - B 111 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | • Connect with us as a member of our alumni community. |
| Humanities, Arts and Design (HU) ( ART 110 OR FMP 201 recommended) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- • First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's

first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Care Coordination, BS

School/College: Edson College of Nursing and Health Innovation
Location: Downtown Phoenix, West
NUHCCOBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities, play me3@ASU and review academic programs.<br>• Create a first draft resume.<br>• Explore study abroad options.<br>• Search for on-campus employment. |
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| MAT course (MA) ( MAT 142 recommended) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Secure a part-time job or volunteer experience.<br>• Apply for a study abroad experience.<br>• Explore engagement opportunities in the College of Nursing and Health Innovation.<br>• Join a student club or professional organization. |
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Develop your skills. |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| HCR 230: Culture and Health (C & G) | 3 | C | |
| MIC 205: Microbiology (SG) | 3 | C | |

| | | |
|---|---|---|
| MIC 206: Microbiology Laboratory (SG) | 1 | C |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 221: Foundational Concepts for Health Care Coordination | 3 | C | • Explore an internship.<br>• Schedule an appointment with your advisor to review your academic progress. |
| HCR 240: Human Pathophysiology | 4 | C | |
| NTR 241: Human Nutrition | 3 | C | |
| SOC course (SB) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 321: Advanced Concepts for Health Care Coordination | 3 | C | • Develop your professional online presence. |
| TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| HCD 332: Population Health Policy and Legislation | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 301: Research Methods for the Health Care Professional | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in person or virtual practice interview.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for students to share up to 11-12 credit hours to accelerate completion of a master's degree. |
| HCR 302: Social Determinants of Health OR HCR 472: Interprofessional Education and Complex Health | 3 | C | |
| HCR 303: Assessing Needs, Assets and Capacity for Health Education | 3 | C | |
| Internship or Experiential Learning | 1 | | |
| HCI 311: Health Innovation: Foundational Concepts | 3 | C | |
| Elective | 2 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation, MS in Aging, MS in Health Care Simulation, the MS in Regulatory Science, and the MS in Nursing (Entry to Nursing Practice).<br>• Gather professional references.<br>• Update your resume. |
| HCR 406: Health Literacy for Health Care Professionals | 3 | C | |
| HCR 422: Policy and Financial Principles in Health Care Coordination | 3 | C | |
| HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | |
| PAF 311: Leadership and Change (SB) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| HCR 420: Professional Role Development: Health Care Coordination | 3 | C |
| HCR 426: Health Care Coordination Capstone | 3 | C |
| Upper Division Elective | 3 | |
| *Complete 2 courses:*<br>Elective | 6 | |
| Term hours subtotal: | 15 | |

- Apply for full-time career opportunities.
- Connect with us as a member of our alumni community.

Hide Course List(s)/Track Group(s)

Internship or Experiential Learning

- HCI 484: Internship
- HCR 280: Team-Based Research Practicum
- HCR 471: Interprofessional Education and Community Health
- HCR 472: Interprofessional Education and Complex Health
- HCR 473: Interprofessional Education and Comprehensive Systems Health
- HCR 480: Advanced Team-Based Research Practicum
- HCR 484: Internship
- HCR 493: Honors Thesis (L)
- NUR 493: Honors Thesis (L)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Care Coordination, BS

School/College: Edson College of Nursing and Health Innovation
Location: Online, ASU Local
NUHCCOBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Become familiar with the student focused services and perks available to ASU Online students.<br>• Review library resources. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAT course (MA) ( MAT 142 OR MAT 117 recommended) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities, play me3@ASU and review academic programs.<br>• Create a first draft resume.<br>• Explore study abroad options. |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 21 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Secure a part-time job or volunteer experience. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 21 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Apply for a study abroad experience.<br>• Join a professional organization. |
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 9 |

| Term 3 - A 30 - 37 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 230: Culture and Health (C & G) | 3 | C | • Develop your skills. |
| MIC 205: Microbiology (SG) | 3 | C | |
| MIC 206: Microbiology Laboratory (SG) | 1 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Explore Career Webinars. |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 221: Foundational Concepts for Health Care Coordination | 3 | C | • Explore Career Advising. |
| SOC course (SB) ( SOC 101 recommended) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 53 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 240: Human Pathophysiology | 4 | C | • Explore an internship.<br>• Schedule an appointment with your advisor to review your academic progress. |
| NTR 241: Human Nutrition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | • Explore career resources. |
| HCD 332: Population Health Policy and Legislation | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 66 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 321: Advanced Concepts for Health Care Coordination | 3 | C | • Develop your professional online presence. |
| COM 225: Public Speaking (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 301: Research Methods for the Health Care Professional | 3 | C | • Use Handshake to research employment opportunities.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for |
| HCR 303: Assessing Needs, Assets and Capacity for Health Education | 3 | C | |
| HCI 311: Health Innovation: Foundational Concepts | 3 | C | |
| Term hours subtotal: | 9 | | |

you to share up to 11-12 credit hours to accelerate completion of a master's degree.

| Term 6 - B 84 - 91 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 302: Social Determinants of Health | 3 | C | • Complete an in person or virtual practice interview. |
| ★ HCR 484: Internship | 1 | Y | |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 7 - A 91 - 100 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation and MS in Regulatory Science. |
| ★ HCR 422: Policy and Financial Principles in Health Care Coordination | 3 | C | |
| PAF 311: Leadership and Change (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 100 - 106 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 406: Health Literacy for Health Care Professionals | 3 | C | • Gather professional references.<br>• Update your resume. |
| HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 106 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 420: Professional Role Development: Health Care Coordination | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Elective | 2 | | |
| Term hours subtotal: | 5 | | |

| Term 8 - B 111 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 426: Health Care Coordination Capstone | 3 | C | • Connect with us as a member of our alumni community. |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Entrepreneurship and Innovation, BS

School/College: Edson College of Nursing and Health Innovation
Location: Downtown Phoenix, West
NUHCIBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• All first-year students enroll in HCR 220 in their first semester.<br>• Select your Career Interest Communities, play me3@ASU and review academic programs.<br>• Create a first draft resume.<br>• Explore study abroad options.<br>• Search for on-campus employment.<br>• Meet with your First Year Success Coach. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAT course (MA) ( MAT 142 OR MAT 117 recommended) | 3 | C | |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| Natural Science - Quantitative (SQ) ( BIO 100 recommended) | 4 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Most students will complete HCR 210. The other ethics courses listed are options for transfer students to meet upper-division requirements or change of major students who already have the course completed.<br>• Secure a part-time job or volunteer experience.<br>• Apply for a study abroad experience.<br>• Explore engagement opportunities in the Edson College of Nursing and Health Innovation.<br>• Join a student club or professional organization. |
| HCI 150: Introduction to Health Innovation | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| HCR 210: Ethics for the Health Care Professional (HU) OR MED 320: Applied Medical/Health Care Ethics (HU) OR BIS 345: Organizational Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 320: Bioethics (HU) or BIO 312: Bioethics (HU) or IAS 340: Bioethics (HU) OR PHI 409: Eco-Community Ethics (HU) or IAS 409: Eco-Community Ethics (HU) | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 230: Culture and Health (C & G) | 3 | C | • Develop your skills. |

| | | | |
|---|---|---|---|
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) | 3 | C | • Attend a Study Abroad 101 session.<br>• Explore minors or certificates.<br>• Get involved with the HEALab. |
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | C | |
| Health Innovation Elective | 3 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| **Term 4** 45 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCI 250: Health Entrepreneurship and Value Creation | 3 | C | • Explore an internship.<br>• Schedule an appointment with your advisor to review your academic progress. |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) | 3 | C | |
| Health Innovation Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 5** 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCI 311: Health Innovation: Foundational Concepts | 3 | C | • Develop your professional online presence.<br>• Complete informational interviews. |
| HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing | 3 | C | |
| TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | |
| Health Innovation Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| **Term 6** 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care OR HCI 344: Management and Leadership in Health Organizations | 6 | C | • Use Handshake to research employment opportunities.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree. |
| HCR 301: Research Methods for the Health Care Professional | 3 | C | |
| Health Innovation Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| **Term 7** 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:*<br>HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care OR HCI 344: Management and Leadership in Health Organizations | 6 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation.<br>• Gather professional references.<br>• Update your resume. |

| | | | |
|---|---|---|---|
| ★ | HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C |
| ★ | HCR 406: Health Literacy for Health Care Professionals | 3 | C |
| | Health Innovation Elective | 3 | C |
| | Term hours subtotal: | 15 | |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care OR HCI 344: Management and Leadership in Health Organizations | 3 | C | • Apply for full-time career opportunities.<br>• Connect with us as a member of our alumni community. |
| HCI 484: Internship OR Upper Division Elective | 3 | | |
| Health Innovation Elective | 3 | C | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- Students should consult with their academic advisor to identify appropriate courses for the Health Innovation Elective. Students are encouraged to select courses in a thematic area and may pursue a minor to fulfill the Health Innovation Elective requirement.

Hide Course List(s)/Track Group(s)

Health Innovation Elective

ACC OR BUA OR ECN OR ENT OR FIN OR HCI OR HCR OR LES OR MGT OR MKT OR NTR OR OGL OR OMT OR SCM OR SOS OR TEL OR TEM Elective

ASB 100: Introduction to Global Health (SB & G)

ASB 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H)

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)

ASB 355: Traditional Medicine and Healing (HU or SB)

ASB 462: Medical Anthropology: Culture and Health (SB & C)

ASM 414: Urban, Environmental and Health Challenges (SB)

BIO 318: History of Medicine (HU & H) or HPS 331: History of Medicine (HU & H)

CHS 100: Optimizing Your Health and Performance (SB)

COM 451: Communication and Work Relationships

HEP 100: Introduction to Health and Wellness (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

PHI 407: Environmental Philosophy and Policy (L or HU) or IAS 407: Environmental Philosophy and Policy (L or HU)

SOC 427: Sociology of Health and Illness (SB)

SOS 100: Introduction to Sustainability (G)

SOS 110: Sustainable World (SB)

TCL 321: Transborder Community Development and Health

USL 210: Service Learning: Intro to Diverse Community Issues (L & C)

WST 100: Women, Gender, and Society (SB & C)

WST 333: Critical Perspectives on Sexuality (SB & C)

WST 360: Women as Healers (SB & G)

WST 444: Gender, Health, and Bodies (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Health Entrepreneurship and Innovation, BS

School/College: Edson College of Nursing and Health Innovation
Location: Online, ASU Local
NUHCIBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Become familiar with the student focused services and perks available to ASU Online students.<br>• Review library resources. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAT course (MA) ( MAT 142 OR MAT 117 recommended) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | • View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities, complete me3@ASU, and review academic programs.<br>• Create a first draft resume.<br>• Explore study abroad options. |
| Natural Science - Quantitative (SQ) ( BIO 100 recommended) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 23 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Secure a part-time job or volunteer experience. |
| HCI 150: Introduction to Health Innovation | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 23 - 30 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 210: Ethics for the Health Care Professional (HU) OR MED 320: Applied Medical/Health Care Ethics (HU) OR BIS 345: Organizational Ethics (HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 320: Bioethics (HU) | 3 | C | • Most students will complete HCR 210. The other ethics courses are options for transfer students to meet upper-division requirements or change of major students who already have the course completed. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |

| | | | |
|---|---|---|---|
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | • Apply for a study abroad experience. |
| Term hours subtotal: | 7 | | |

| Term 3 - A 30 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 230: Culture and Health (C & G) | 3 | C | • Develop your skills. |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 36 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Health Innovation Elective | 3 | C | • Explore Career Webinars. |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 9 | | |

| Term 4 - A 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | C | |
| Health Innovation Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 51 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCI 250: Health Entrepreneurship and Value Creation | 3 | C | • Explore an internship.<br>• Schedule an appointment with your advisor to review your academic progress. |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - A 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCI 311: Health Innovation: Foundational Concepts | 3 | C | |
| TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 66 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Develop your professional online presence. |
| COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) | 3 | C | |
| Health Innovation Elective | 3 | C | |
| Term hours subtotal: | 9 | | |

| | | Minimum | |
|---|---|---|---|

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Use Handshake to research employment opportunities.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree. |
| ★ HCR 301: Research Methods for the Health Care Professional | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | |
| Health Innovation Elective | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation.<br>• Update your resume. |
| ★ HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | |
| Health Innovation Elective | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Gather professional references. |
| ★ HCR 406: Health Literacy for Health Care Professionals | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 344: Management and | | | |

| | | | |
|---|---|---|---|
| Leadership in Health Organizations OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Apply for full-time career opportunities. |
| HCI 484: Internship OR Upper Division Elective | 3 | | |
| Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| **Term 8 - B 114 - 120 Credit Hours** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Health Innovation Elective | 3 | C | • Connect with us as a member of our alumni community. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Students should consult with their academic advisor to identify appropriate courses for the Health Innovation Elective. Students are encouraged to select courses in a thematic area and may pursue a minor to fulfill the Health Innovation Elective requirement.

Hide Course List(s)/Track Group(s)

Health Innovation Elective

ACC OR BUA OR ECN OR ENT OR FIN OR HCI OR HCR OR LES OR MGT OR MKT OR NTR OR OGL OR OMT OR SCM OR SOS OR TEL OR TEM Elective

ASB 100: Introduction to Global Health (SB & G)

ASB 301: Global History of Health (SB & G & H)

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)

ASB 462: Medical Anthropology: Culture and Health (SB & C)

ASM 414: Urban, Environmental and Health Challenges (SB)

CHS 100: Optimizing Your Health and Performance (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

SOS 100: Introduction to Sustainability (G)

SOS 110: Sustainable World (SB)

**Notes:**

-

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Integrative Health - Nursing & Gen Health Interest, BS

School/College: Edson College of Nursing and Health Innovation
Location: West
NUIHLTBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities, play me3@ASU and review academic programs.<br>• Create a first draft resume.<br>• Explore study abroad options.<br>• Meet with your First-Year Success Coach. |
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| MAT course (MA) ( MAT 142 OR MAT 117 recommended) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Secure a part-time job or volunteer experience.<br>• Apply for a study abroad experience.<br>• Explore engagement opportunities in the Edson College of Nursing and Health Innovation.<br>• Join a student club or professional organization. |
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | • Develop your skills.<br>• Explore minors or certificates. |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| HCR 230: Culture and Health (C & G) | 3 | C | |

| | | |
|---|---|---|
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 240: Human Pathophysiology | 4 | C | • Explore an internship.<br>• Schedule an appointment with your advisor to review your academic progress. |
| HCR 241: Foundations of Integrative Health | 3 | C | |
| NTR 241: Human Nutrition | 3 | C | |
| SOC course (SB) ( SOC 101 recommended) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities | 3 | C | • Develop your professional online presence. |
| TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L) | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| PMG 240: Introduction to Project Management | 3 | C | |
| SWU 250: Stress Management Tools I (SB) OR SWU 349: Stress Management Tools II (SB) OR SWU 350: Whole Person Health Across the Lifespan (SB) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 301: Research Methods for the Health Care Professional | 3 | C | • Use Handshake to research employment opportunities.<br>• Complete an in-person or virtual practice interview.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree. |
| HCR 303: Assessing Needs, Assets and Capacity for Health Education | 3 | C | |
| HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities | 3 | C | |
| HCR 343: Historical and Cultural Foundations of Integrative Health Care | 3 | C | |
| HCI 311: Health Innovation: Foundational Concepts | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation, the MS in Regulatory Science, and the MS in Aging programs.<br>• Gather professional references.<br>• Update your resume. |
| HCR 406: Health Literacy for Health Care Professionals | 3 | C | |
| HCR 440: Interprofessional Approaches to Integrative Health Care | 3 | C | |
| Internship or Experiential Learning | 1 | | |
| HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | |
| Elective | 2 | | |

| | |
|---|---|
| Term hours subtotal: | 15 |

| Term 8 105 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 441: Legal and Ethical Issues Impacting Integrative Health Care | 3 | C | • Apply for full-time career opportunities.<br>• Connect with us as a member of our alumni community. |
| ★ HCR 449: Integrative Health Care Capstone | 3 | C | |
| ★ TWC 443: Grant & Proposal Writing | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

- The BS Integrative Health degree program provides opportunities for students to pursue two separate pathways.
- The Health Professional School track provides an opportunity for students interested in pursuing graduate study in the health professions. This track includes the core required courses for most graduate programs. Students pursuing a graduate program in health should consult with an advisor to review the complete curriculum for graduate school preparation in the health professions.
- The Nursing and General Health Interest track includes the prerequisites for the nursing program at Arizona State University. This track also provides options for students interested in health care.

Hide Course List(s)/Track Group(s)

| Internship or Experiential Learning |
|---|
| HCI 484: Internship |
| HCR 280: Team-Based Research Practicum |
| HCR 471: Interprofessional Education and Community Health |
| HCR 472: Interprofessional Education and Complex Health |
| HCR 473: Interprofessional Education and Comprehensive Systems Health |
| HCR 480: Advanced Team-Based Research Practicum |
| HCR 484: Internship |
| HCR 493: Honors Thesis (L) |
| NUR 493: Honors Thesis (L) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Integrative Health - Nursing & Gen Health Interest, BS

School/College: Edson College of Nursing and Health Innovation
Location: Online, ASU Local
NUIHLTBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your Career Interest Communities, play me3@ASU and review academic programs. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| MAT course (MA) ( MAT 142 OR MAT 117 recommended) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • View ASU Online first-year student registration information here.<br>• Create a first draft resume. |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 21 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | • Secure a part-time job or volunteer experience. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 21 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Attend a Study Abroad 101 session. |
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 - A 30 - 37 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| HCR 230: Culture and Health (C & G) | 3 | C | • Develop your skills. |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 37 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C | |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 44 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 241: Foundations of Integrative Health | 3 | C | • Explore an internship. |
| SOC course (SB) ( SOC 101 recommended) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 53 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 240: Human Pathophysiology | 4 | C | • Schedule an appointment with your advisor to review your academic progress. |
| NTR 241: Human Nutrition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L) | 3 | C | • Develop your professional online presence. |
| PMG 240: Introduction to Project Management | 3 | C | |
| SWU 250: Stress Management Tools I (SB) OR SWU 349: Stress Management Tools II (SB) OR SWU 350: Whole Person Health Across the Lifespan (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 301: Research Methods for the Health Care Professional | 3 | C | • Use Handshake to research employment opportunities.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These |
| HCR 303: Assessing Needs, Assets and Capacity for Health Education | 3 | C | |
| HCI 311: Health Innovation: Foundational Concepts | 3 | C | |
| Term hours subtotal: | 9 | | |

innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree.

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities | 3 | C | • Complete an in person or virtual practice interview. |
| HCR 343: Historical and Cultural Foundations of Integrative Health Care | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation, the MS in Regulatory Science, and the MS in Aging programs. |
| HCR 440: Interprofessional Approaches to Integrative Health Care | 3 | C | |
| HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 406: Health Literacy for Health Care Professionals | 3 | C | • Gather professional references.<br>• Update your resume. |
| HCR 484: Internship | 1 | Y | |
| Elective | 2 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 441: Legal and Ethical Issues Impacting Integrative Health Care | 3 | C | • Apply for full-time career opportunities. |
| TWC 443: Grant & Proposal Writing | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 449: Integrative Health Care Capstone | 3 | C | • Connect with us as a member of our alumni community. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- 
- The BS Integrative Health degree program provides opportunities for students to pursue two separate pathways.

- The Health Professional School track provides an opportunity for students interested in pursuing graduate study in the health professions. This track includes the core required courses for most graduate programs. Students pursuing a graduate program in health should consult with an advisor to review the complete curriculum for graduate school preparation in the health professions.
- The Nursing and General Health Interest track includes the prerequisites for the nursing program at Arizona State University. This track also provides options for students interested in health care.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Integrative Health - Pre Health Grad School Track, BS

School/College: Edson College of Nursing and Health Innovation
Location: West
NUIHLTBS

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• All first-year students enroll in HCR 220 in their first semester at ASU.<br>• Select your Career Interest Communities, play me3@ASU and review academic programs.<br>• Create a first draft resume.<br>• Explore study abroad options.<br>• Meet with your First Year Success Coach. |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Secure a part-time job or volunteer experience.<br>• Apply for a study abroad experience.<br>• Explore engagement opportunities in the Edson College of Nursing and Health Innovation.<br>• Join a student club or professional organization.<br>• Review resources and opportunities available through ASU Pre-Health Advising. |
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| BIO 181: General Biology I (SQ) | 4 | C | |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 31 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 230: Culture and Health (C & G) | 3 | C | • Develop your skills.<br>• If interested in health-related professional programs, research the timeline for admissions preparation and general admission requirements.<br>• Explore minors or certificates.<br>• View Career Webinars. |
| BIO 182: General Biology II (SG) | 4 | C | |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 14 |

| Term 4 45 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 241: Foundations of Integrative Health | 3 | C | • Explore an internship.<br>• Schedule an appointment with your advisor to review your academic progress.<br>• Consider an undergraduate research experience. |
| CHM 233: General Organic Chemistry I | 3 | C | |
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | |
| NTR 241: Human Nutrition | 3 | C | |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | |
| Term hours subtotal: | 14 | | |

| Term 5 59 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities | 3 | C | • Develop your professional online presence.<br>• Register for a graduate school test prep course. |
| TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L) | 3 | C | |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| SWU 349: Stress Management Tools II (SB) OR SWU 350: Whole Person Health Across the Lifespan (SB) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 74 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 301: Research Methods for the Health Care Professional | 3 | C | • Use Handshake to research employment opportunities.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree. |
| HCR 303: Assessing Needs, Assets and Capacity for Health Education | 3 | C | |
| HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities | 3 | C | |
| HCR 343: Historical and Cultural Foundations of Integrative Health Care | 3 | C | |
| CHM 234: General Organic Chemistry II | 3 | C | |
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCI 311: Health Innovation: Foundational Concepts | 3 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation, the MS in Regulatory Science, and the MS in Aging programs.<br>• Gather professional references.<br>• Update your resume. |
| HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | |
| HCR 406: Health Literacy for Health Care Professionals | 3 | C | |
| HCR 440: Interprofessional Approaches to Integrative Health Care | 3 | C | |
| PMG 240: Introduction to Project Management | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 105 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ | HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C |
| ★ | HCR 441: Legal and Ethical Issues Impacting Integrative Health Care | 3 | C |
| ★ | HCR 449: Integrative Health Care Capstone | 3 | C |
| ★ | TWC 443: Grant & Proposal Writing | 3 | C |
| | Humanities, Arts and Design (HU) | 3 | |
| | Term hours subtotal: | 15 | |

- Apply for full-time career opportunities.
- Connect with us as a member of our alumni community.

- The BS Integrative Health degree program provides opportunities for students to pursue two separate pathways.
- The Health Professional School track provides an opportunity for students interested in pursuing graduate study in the health professions. This track includes the core required courses for most graduate programs. Students pursuing a graduate program in health should consult with an advisor to review the complete curriculum for graduate school preparation in the health professions.
- The Nursing and General Health Interest track includes the prerequisites for the nursing program at Arizona State University. This track also provides options for students interested in health care.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Integrative Health - Pre Health Grad School Track, BS

School/College: Edson College of Nursing and Health Innovation
Location: Online, ASU Local
NUIHLTBS

In order to complete the requirements of this program, some laboratory courses will be completed in-person at the Tempe Campus.

These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.

| Term 1 - A 0 - 8 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C | |
| Term hours subtotal: | 8 | | |

| Term 1 - B 8 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Select your Career Interest Communities, play me3@ASU and review academic programs.<br>• Create a first draft resume.<br>• Explore study abroad options. |
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C | |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 17 - 24 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Secure a part-time job or volunteer experience. |
| BIO 181: General Biology I (SQ) | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 24 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 116: General Chemistry II (SQ) | 4 | C | • Apply for a study abroad experience.<br>• Review resources and opportunities available through ASU Pre-Health Advising. |
| STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 7 |

| Term 3 - A 31 - 39 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Develop your skills.<br>• If interested in health-related professional programs, research the timeline for admissions preparation and general admission requirements. |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C | |
| Term hours subtotal: | 8 | | |

| Term 3 - B 39 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 230: Culture and Health (C & G) | 3 | C | • Explore minors or certificates.<br>• Review the Career Guide for ASU Online students to learn about available career planning resources. |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) | 4 | C | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 46 - 52 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 241: Foundations of Integrative Health | 3 | C | • Explore an internship. |
| NTR 241: Human Nutrition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 52 - 58 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 233: General Organic Chemistry I | 3 | C | • Schedule an appointment with your advisor to review your academic progress.<br>• Plan for in-person laboratory attendance in summer. |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Summer 4 58 - 59 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 237: General Organic Chemistry Laboratory I | 1 | C | • ASU Online students will complete all experiments for the Organic Chemistry labs at the Tempe campus of ASU during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| Term hours subtotal: | 1 | | |

| Term 5 - A 59 - 65 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L) | 3 | C | • Develop your professional online presence. |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 65 - 71 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities | 3 | C | • Register for a graduate school test prep course. |
| COM 225: Public Speaking (L) | 3 | C | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 6 - A 71 - 77 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 301: Research Methods for the Health Care Professional | 3 | C | • Use Handshake to research employment opportunities.<br>• Connect with your advisor to learn more about the accelerated pathways to the MS in Aging and Master of Healthcare Innovation. These innovative pathways provide an opportunity for you to share up to 11-12 credit hours to accelerate completion of a master's degree. |
| ★ HCR 303: Assessing Needs, Assets and Capacity for Health Education | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 77 - 86 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities | 3 | C | • Schedule an appointment with your advisor to review your academic progress.<br>• Plan for in-person laboratory attendance in summer. |
| ★ HCR 343: Historical and Cultural Foundations of Integrative Health Care | 3 | C | |
| CHM 234: General Organic Chemistry II | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Summer 6 86 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CHM 238: General Organic Chemistry Laboratory II | 1 | C | • ASU Online students will complete all experiments for the Organic Chemistry labs at the Tempe campus of ASU during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. |
| Term hours subtotal: | 1 | | |

| Term 7 - A 87 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 311: Health Innovation: Foundational Concepts | 3 | C | • Explore graduate programs including ASU's Master of Healthcare Innovation, the MS in Regulatory Science, and the MS in Aging programs.<br>• Gather professional references.<br>• Update your resume. |
| ★ HCR 400: Evidence-Based Practice for the Health Care Professional | 3 | C | |
| ★ HCR 440: Interprofessional Approaches to Integrative Health Care | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 406: Health Literacy for Health Care Professionals | 3 | C | |
| PMG 240: Introduction to Project Management | 3 | C | |
| SWU 349: Stress Management Tools II (SB) OR SWU 350: Whole Person Health Across the Lifespan (SB) | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCR 441: Legal and Ethical Issues Impacting Integrative Health Care | 3 | C | • Apply for full-time career opportunities. |

| | | |
|---|---|---|
| TWC 443: Grant & Proposal Writing | 3 | C |
| Humanities, Arts and Design (HU) | 3 | |
| Term hours subtotal: | 9 | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ HCI 428: Technology: A Tool to Advance Innovation in Health Care | 3 | C | • Connect with us as a member of our alumni community. |
| ★ HCR 449: Integrative Health Care Capstone | 3 | C | |
| Term hours subtotal: | 6 | | |

- The BS Integrative Health degree program provides opportunities for students to pursue two separate pathways.
- The Health Professional School track provides an opportunity for students interested in pursuing graduate study in the health professions. This track includes the core required courses for most graduate programs. Students pursuing a graduate program in health should consult with an advisor to review the complete curriculum for graduate school preparation in the health professions.
- The Nursing and General Health Interest track includes the prerequisites for the nursing program at Arizona State University. This track also provides options for students interested in health care.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Nursing - Accelerated BSN, BSN

School/College: Edson College of Nursing and Health Innovation
Location: Downtown Phoenix, Polytechnic, West, ASU at Lake Havasu, ASU at The Gila Valley
NUNURDBSN

**The accelerated BSN/MS option is currently only available to ASU Online students.**

| **Term 6** 0 - 0 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Students must be placed in the Accelerated Clinical Nursing Program by Edson College Student Services after completion of all prerequisite coursework and available clinical space. This map includes the remaining requirements for students placed into the accelerated program. | | | |
| Term hours subtotal: | 0 | | |

| **Term 7** 0 - 17 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NUR 310: Health and Illness Concepts: Beginning | 4 | C | • Activate your Handshake account and build out your profile.<br>• Join a professional organization.<br>• Develop your professional online presence . |
| NUR 320: Clinical Practice: Beginning | 3 | Y | |
| NUR 330: Professional Nurse Attributes (HU) | 3 | C | |
| NUR 331: Experiential Learning: Beginning | 4 | C | |
| NUR 400: Concept Integration Across the Lifespan: Beginning | 3 | C | |
| Term hours subtotal: | 17 | | |

| **Summer 7** 17 - 34 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NUR 315: Nursing Research and Application to Practice (L) | 3 | C | • Gather professional and academic references.<br>• Explore graduate programs. |
| NUR 321: Clinical Practice: Developing | 3 | Y | |
| NUR 327: Health and Illness Concepts: Developing | 4 | C | |
| NUR 332: Experiential Learning: Developing | 4 | C | |
| NUR 401: Concept Integration Across the Lifespan: Developing | 3 | C | |
| Term hours subtotal: | 17 | | |

| **Term 8** 34 - 50 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NUR 322: Clinical Practice: Accomplished | 4 | Y | • Study for the National Council Licensure Examination (NCLEX).<br>• Apply for full-time career opportunities.<br>• Complete an in person or virtual practice interview.<br>• Connect with us as a member of our alumni community. |
| NUR 328: Concepts of Health and Illness: Accomplished | 4 | C | |
| NUR 333: Experiential Learning: Accomplished | 2 | C | |
| NUR 350: Professional Nurse Attributes: Accomplished | 3 | C | |
| NUR 402: Concept Integration Across the Lifespan: Accomplished | 3 | C | |
| Term hours subtotal: | 16 | | |

- Placement into the Accelerated BSN prelicensure clinical nursing program is based on clinical space availability. In addition to the application to ASU, there is a separate advancement process to be selected for placement.
- Prospective students should consult with the Edson College of Nursing and Health Innovation student academic services for the advancement requirements, including prerequisites, TEAS requirement, and immunization/background requirements.
- Students should view the Accelerated BSN Prelicensure Clinical Nursing Program Information Session.
- Completion of General Studies and composition requirements at a domestic institution accredited by an organization recognized by ASU as certified on the official transcript will fulfill lower-division General Studies and composition requirements. Certification of completed general studies may include completion of general education package (ex: AGEC, CSUGE, IGETC); an associate of arts degree or bachelor's degree; or comparable as documented on an official transcript. These students are still required to fulfill lower-division program requirements and prerequisites within their college and major and minor areas of study.
- Students must still take six upper-division credit hours (three for L and three for SB or HU) to complete the ASU university-level graduation requirements. These requirements are included in the required NUR prelicensure clinical nursing program courses.
- If students transfer from Arizona community colleges without completing the AGEC or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. Students should see the Arizona General Education Curriculum page.
- **All students must have first-year composition and lower-division general studies completed by the advancement application deadline.**

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 50
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Nursing - Traditional BSN, BSN

School/College: Edson College of Nursing and Health Innovation
Location: Downtown Phoenix, Polytechnic, West, ASU at Lake Havasu, ASU at The Gila Valley
NUNURDBSN

**The accelerated BSN/MS option is currently only available to ASU Online students.**

| **Term 1 0 - 14 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ASU 101-NU: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Direct admit students must meet **Continuing Eligibility Criteria (CEC)** each semester (Terms 1-4) to advance into the prelicensure clinical nursing program. The following criteria will be reviewed each semester:<br>• Full-time enrollment at ASU (minimum 12 credit hours per term)<br>• Enroll in courses following the published course sequence (according to term) on the major map in terms 1-4.<br>• All courses must be completed at ASU unless approved by petition<br>• 3.50 minimum semester critical (prerequisite) courses GPA in term 1-4 (includes +/- in computation) with no grades lower than a C. Critical courses are marked with symbol on the major map. Electives and other general studies courses that are not marked with this symbol are not included in the calculation.<br>• Successful completion of all screening items by the established deadlines. |
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | 3 | C | |
| MAT course (MA) ( MAT 142 OR MAT 117 recommended) | 3 | C | |
| Maintain 3.50 GPA in Critical Tracking Courses. | | | |
| Term hours subtotal: | 14 | | |

| **Term 2 14 - 30 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C | • Direct admit students must meet **Continuing Eligibility Criteria (CEC)** each semester (Terms 1-4) to advance into the prelicensure clinical nursing program. See criteria in term 1 note and at bottom of major map. |
| CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |

| | | |
|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C |
| HCR 210: Ethics for the Health Care Professional (HU) | 3 | C |
| Approved Statistics Course AND Computer/Statistics/Quantitative Applications (CS) | 3 | C |
| Maintain 3.50 GPA in Critical Tracking Courses. | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | |
| Term hours subtotal: | 16 | |

- Activate your Handshake account and build out your profile.
- Create a first draft resume.
- Secure a part-time job or volunteer experience.
- Explore options for summer employment.
- Explore and/or Apply for summer Study Abroad.

| **Term 3 30 - 44 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| BIO 202: Human Anatomy and Physiology II (SG) | 4 | C |
| CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) | 3 | C |
| HCR 230: Culture and Health (C & G) | 3 | C |
| MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) | 4 | C |
| Maintain 3.50 GPA in Critical Tracking Courses. | | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

**Notes**

- Direct admit students must meet **Continuing Eligibility Criteria (CEC)** each semester (Terms 1-4) to advance into the clinical nursing program. See criteria in term 1 note and at bottom of major map.
- Join a student club or professional organization.
- Meet with your academic success advisor to review the advancement requirements, including health and safety expectations.

| **Term 4 44 - 57 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| HCR 240: Human Pathophysiology | 4 | C |
| NTR 241: Human Nutrition | 3 | C |
| Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | C |
| Elective | 3 | |
| Maintain 3.50 GPA in Critical Tracking Courses. | | |
| Milestone: Completion of all non-coursework BSN nursing requirements (e.g. immunizations/titers, fingerprint clearance card, background check, CPR/BLS certification, etc.) for continuation into the traditional or accelerated prelicensure clinical nursing program. | | |
| Term hours subtotal: | 13 | |

**Notes**

- Direct admit students must meet **Continuing Eligibility Criteria (CEC)** each semester (Terms 1-4) to advance into the prelicensure clinical nursing program. See criteria in term 1 note and at bottom of major map.
- Submit your Clinical Nursing Advancement Application by February 1 for summer/fall start or September 1 for spring start.

| **Term 5 57 - 72 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| NUR 325: Health and Illness Concepts I | 3 | C |
| NUR 330: Professional Nurse Attributes (HU) | 3 | C |
| NUR 336: Experiential Learning | 3 | C |
| NUR 346: Nursing Practice: Geriatric and Adult Health | 3 | Y |
| NUR 352: Fundamental Concepts in Nursing | 3 | C |
| Term hours subtotal: | 15 | |

**Notes**

- Develop your professional online presence.

| **Term 6 72 - 88 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| NUR 315: Nursing Research and Application to Practice (L) | 3 | C |

| | | |
|---|---|---|
| NUR 326: Health and Illness Concepts: Adults and Psychiatric/Mental Health | 4 | C |
| NUR 337: Experiential Learning: Intermediate | 3 | C |
| NUR 347: Nursing Practice: Psychiatric/Mental Health and Childbearing Family | 3 | Y |
| NUR 353: Integration of Concepts Across the Lifespan: Conception to End of Life | 3 | C |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 16 | |

- Use Handshake to research employment opportunities.
- Complete an in person or virtual practice interview.

| **Term 7 88 - 105 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| NUR 404: Professional Nurse Concepts: Intermediate | 2 | C |
| NUR 425: Health and Illness Concepts: Adults and Pediatrics | 3 | C |
| NUR 436: Experiential Learning: Advanced | 3 | C |
| NUR 446: Nursing Practice: Pediatrics and Complex Care of Adults | 3 | Y |
| NUR 452: Concepts in Population-Based Health | 3 | C |
| NUR 458: Community Care and Collaboration | 3 | C |
| Term hours subtotal: | 17 | |

**Notes**

- Gather professional and academic references.
- Explore graduate programs.

| **Term 8 105 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** |
|---|---|---|
| NUR 405: Professional Nurse Concepts: Advanced | 3 | C |
| NUR 426: Health and Illness Concepts Advanced | 3 | C |
| NUR 437: Experiential Learning: Readiness to Practice | 3 | C |
| NUR 448: Nursing Practice Readiness | 3 | Y |
| NUR 453: Integration Concepts in the Health Care (L) | 3 | C |
| Term hours subtotal: | 15 | |

**Notes**

- Study for the National Council Licensure Examination (NCLEX).
- Apply for full-time career opportunities.
- Connect with us as a member of our alumni community.

- Direct admit students must meet **Continuing Eligibility Criteria** each semester (Terms 1-4) to advance into the prelicensure clinical nursing program. Advisors in the Edson College of Nursing and Health Innovation review criteria each semester.

  **Continuing Eligibility Criteria:**

  - Full-time enrollment at ASU (at least 12 credit hours per term; some scholarships require at least 15 credit hours per term)
  - Enroll in courses following the published course sequence (according to term) on the major map in terms 1-4.
  - All courses must be completed at ASU unless approved by petition.
  - 3.50 minimum semester critical (prerequisite) course GPA in terms 1-4 (includes +/- in computation), with no grades lower than a C. Critical courses are marked with symbol on the major map. Electives and other general studies courses that are not marked with this symbol are not included in the calculation.
  - Successful completion of all screening items by the established deadlines

**Licensure / Certification Direct Disclosure Statement**

The Edson College of Nursing and Health Innovation prepares graduates for excellence upon entering the workplace. Certification and licensure requirements vary by profession and from state-to-state, students should review professional licensure information at ASU Professional Licensure to determine if a program meets educational requirements for licensure or certification in a specific state. State licensing contact information is available on the website.

Hide Course List(s)/Track Group(s)

| Approved Statistics (CS) Courses |
| --- |
| EDP 454: Statistical Data Analysis in Education (CS) |
| PAF 301: Applied Statistics (CS) |
| SBS 304: Social Statistics I (CS) |
| SOC 390: Social Statistics I (CS) |
| STP 226: Elements of Statistics (CS) |
| STP 231: Statistics for Life Science (CS) |
| SWU 321: Statistics for Social Workers (CS) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Nursing, BSN

School/College: Edson College of Nursing and Health Innovation
Location: Online, ASU Local
NUNURDBSN

**The accelerated BSN/MS option is currently only available to ASU Online students.**

| Term 5 - A 0 - 3 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TWC 361: Writing for Health Care Management (L) | 3 | C | • Activate your Handshake account and build your profile.<br>• Update your resume. |
| Term hours subtotal: | 3 | | |

| Term 5 - B 3 - 7 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NUR 391: Professional Nursing Theory (L) | 4 | C | • Join a professional organization. |
| Term hours subtotal: | 4 | | |

| Term 6 - A 7 - 11 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NUR 318: Nursing Research and Evidence Translation (L) | 4 | C | • Develop your professional online presence. |
| Term hours subtotal: | 4 | | |

| Term 6 - B 11 - 15 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NUR 392: Health Promotion Across the Life Span | 4 | C | |
| Term hours subtotal: | 4 | | |

| Term 7 - A 15 - 19 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NUR 440: Community and Public Health Nursing in the United States | 4 | C | • Explore graduate programs. |
| Term hours subtotal: | 4 | | |

| Term 7 - B 19 - 23 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NUR 495: Public and Global Health in Nursing (G) | 4 | C | • Complete a virtual practice interview. |
| Term hours subtotal: | 4 | | |

| Term 8 - A 23 - 27 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NUR 460: The Art of Nursing (HU) | 4 | C | |

| | | |
|---|---|---|
| Term hours subtotal: | 4 | • Gather academic and professional references. |

| Term 8 - B 27 - 31 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NUR 444: Innovation in Nursing | 4 | C | • Update your resume.<br>• Apply for full-time career opportunities. |
| Term hours subtotal: | 4 | | |

| Term 9 - A 31 - 35 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NUR 445: Nursing Management in Health Care | 4 | C | • Connect with us as a member of our alumni community. |
| Term hours subtotal: | 4 | | |

| Term 9 - B 35 - 39 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ NUR 464: Capstone: The Synthesis of Professional Nursing | 4 | C | • Explore graduate nursing programs at ASU. |
| Term hours subtotal: | 4 | | |

- The online RN to BSN program includes options for pathway, non-pathway, and the Concurrent Enrollment Program (CEP). The prerequisites for each option vary and the number of courses needed to graduate from ASU with a BSN may vary. Students must see an RN to BSN academic advisor for more information about the prerequisites and the graduation requirements.

  **State Authorization Disclosure**

  As a participating National Council for State Authorization Reciprocity Agreements (NC-SARA) member, Arizona State University is authorized to offer distance education to persons located in individual SARA states in accordance with the Council's established policies and standards. California does not participate in SARA and the California Bureau of Private Postsecondary Education does not regulate out-of-state public institutions. ASU may offer educational activities in California. There are some exceptions for specific programs at Edson College. These exceptions are noted on the ASU State Authorizations website.

  Due to legislative regulations, Edson College of Nursing and Health Innovation cannot enroll students located in Tennessee, Rhode Island, and Washington for the *online* BSN nursing program. Clinical rotation, field experience, internship, or practicum components of either online and/or ground courses are not currently available to Edson College students in this state. Contact nursingandhealth@asu.edu with questions.

Hide Course List(s)/Track Group(s)

**Notes:**

- - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 39 **General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Applied Science (Emergency Management), BAS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPEMGBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Transfer Degree Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 200: Public Service and Policy in the 21st Century | 3 | C | |
| ★ PAF 201: Economics and Public Policy (SB) | 3 | C | |
| ★ PAF 261: Hazards and Risk Management | 3 | C | |
| ★ PAF 300: Public Management and Administration | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 301: Applied Statistics (CS) | 3 | C | • Use Handshake to research employment opportunities |
| ★ PAF 311: Leadership and Change (SB) | 3 | C | |
| ★ PAF 340: Contemporary Policy Challenges | 3 | C | |
| ★ PAF 360: Emergency Management I | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 302: Public Service Research Methods | 3 | C | • Apply for full-time career opportunities |

| | | |
|---|---|---|
| ★ PAF 410: Building Leadership Skills (SB) | 3 | C |
| ★ PAF 424: Emergency Management II | 3 | C |
| ★ PAF 460: Public Service Ethics | 3 | C |
| ★ PAF 468: Planning and Exercises | 3 | C |
| Term hours subtotal: | 15 | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ CRJ 419: Domestic Terrorism | 3 | C | |
| ★ PAF 400: Senior Capstone Project | 3 | C | |
| ★ PAF 426: Intelligence Analysis and Homeland Security | 3 | C | |
| Upper Division Humanities, Arts and Design (HU) | 3 | | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Community Advocacy and Social Policy, BA

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix, West
PPCASPBA

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| SWU 171: Introduction to Social Work (SB & H) | 3 | C | |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Public Service Interdisciplinary Requirement | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 101: Introduction to Philosophy (HU) OR PHI 105: Intro to Ethics (HU) OR SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) | 3 | | • For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Join a student club or professional organization. |
| ECN 211: Macroeconomic Principles (SB) OR SWU 181: Economics: A Social Issues Perspective | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Public Service Interdisciplinary Requirement | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR SWU 182: Social Services Perspective of Government (SB) | 3 | | • By the end of term 4, students should have completed the following requirements:<br>1. ECN 211 or SWU 181<br>2. PHI 101 or PHI 105 or SWU 183<br>3. POS 110 or SWU 182 |
| Diversity and Oppressed Populations | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |

| | | | |
|---|---|---|---|
| Elective | 3 | | • Develop your skills. |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 291: Social Service Delivery Systems | 3 | C | • Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement. |
| Diversity and Oppressed Populations | 3 | | |
| Social Problems and Interventions | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete ECN 211 OR SWU 181 course. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 306: Ethics in Social Services (L) | 3 | C | • Develop your professional online presence. |
| SWU 350: Whole Person Health Across the Lifespan (SB) | 3 | C | |
| SWU 321: Statistics for Social Workers (CS) | 3 | | |
| Upper Division Diversity and Oppressed Populations | 3 | | |
| Upper Division Social Problems and Interventions | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 303: Micro Human Behavior and the Social Environment (L or SB) | 3 | C | • Use Handshake to research employment opportunities. |
| SWU 340: Macro Human Behavior and the Social Environment (SB) | 3 | C | |
| SWU 302: Human Biology for Social Workers | 3 | | |
| SWU 320: Research Methods in Social Work | 3 | C | |
| SWU 374: Diversity and Oppression in a Social Work Context (C) | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 332: Social Policy and Advocacy | 3 | C | • Apply for full-time career opportunities. |
| Upper Division Diversity and Oppressed Populations | 3 | | |
| *Complete 2 courses:* Upper Division Social Problems and Interventions | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 488: Advocacy Strategies | 3 | C | |
| Upper Division Diversity and Oppressed Populations | 3 | | |
| Upper Division Social Problems and Interventions | 3 | | |
| Elective OR SWU 484: Internship | 3 | | |

Term hours subtotal: 12

- For the Public Service Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.
- Social Problems and Interventions: Courses focus on social problems that disproportionately affect members of oppressed populations and change strategies. Select five of the courses in this sequence. Four courses must be SWU courses; 12 credits must be upper division.
- Diversity and Oppressed Populations: Courses focus on oppressed or marginalized populations and systems of oppression/domination. Select five of the courses in this sequence; two courses must be SWU courses; nine credits must be upper division.
- For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of SWU 291 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Public Service Interdisciplinary Requirement - Area 1 | Public Service Interdisciplinary Requirement - Area 2 | Public Service Interdisciplinary Requirement - Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | PAF 112: Identity, Service and American Democracy (SB & C) | CRD 302: Inclusive Community Development (SB & C) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | PAF 200: Public Service and Policy in the 21st Century | CRD 471: Interprofessional Education and Community Health |
| CRJ 203: Courts and Sentencing | PAF 201: Economics and Public Policy (SB) | CRD 472: Interprofessional Education and Complex Health |
| CRJ 204: Juvenile Justice | PAF 240: Urban Policy (C) | CRD 473: Interprofessional Education and Comprehensive Systems Health |
| CRJ 230: Introduction to Policing | PAF 311: Leadership and Change (SB) | CSM 201: Introduction to Parks, Recreation and Sport Management |
| CRJ 240: Introduction to Corrections | PAF 410: Building Leadership Skills (SB) | NLM 160: Voluntary Action and Community Leadership (SB) |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | | NLM 220: Introduction to Nonprofit Organizations |
| CRJ 270: Community Justice (SB) | | PRM 120: Leisure and the Quality of Life (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | | PRM 380: Wilderness and Parks in America (SB & H) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | | RTH 364: Foundations of Recreation Therapy (SB) |
| CRJ 309: Criminology (SB) | | TDM 205: Introduction to Travel and Tourism (G) |
| CRJ 350: Law and Social Control (SB) | | TDM 458: International Tourism (G) |

| Public Service Interdisciplinary Requirement - Area 4 | Social Problems and Interventions | Diversity and Oppressed Populations |
|---|---|---|
| CPP Elective | AIS 180: Introduction to American Indian Studies (C) | AFR 210: Introduction to African American Studies (C) |

AIS 380: Contemporary Issues of American Indian Nations (C)

ASB 300: Food and Culture ((L or SB) & C)

ASB 462: Medical Anthropology: Culture and Health (SB & C)

CHS 201: International Indigenous Health

COM 463: Intercultural Communication in a Global Context (SB & G)

CRJ 204: Juvenile Justice

CRJ 461: Intimate-Partner Violence

HSC 210: Cultural Aspects of Health (C)

HST 339: Islam in the Modern World (HU & G)

JUS 332: Politics of Energy Policy and Justice

JUS 420: Women, Work, and Justice ((L or SB) & C)

SOC 241: Modern Social Problems (SB)

SOC 264: Sociology of Gender (SB & C)

SOC 270: Sociology of Race and Ethnicity (SB & C)

SOC 424: Women and Health (SB)

SPE 222: Orientation to Education of Exceptional Children (SB & C)

SWU 250: Stress Management Tools I (SB)

SWU 349: Stress Management Tools II (SB)

SWU 351: Sustainable Living, Mindful Eating (SB)

SWU 394: Ending Homelessness

SWU 404: Social Work Practice in Health Care Settings

SWU 416: Domestic Violence and National AmeriCorps Service

SWU 417: Technology, Interpersonal Relationships and Abuse

SWU 454: Overview of Addictions

SWU 456: Immigrants and Refugees (C)

SWU 458: Behavioral Health Services

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)

SWU 462: Global Social Welfare (G)

AFR 212: Introduction to Ethnic Studies in the U.S. (C)

AFR 370: Family Ethnic and Cultural Diversity (SB & C)

AFR 375: Race, Gender and Sport (SB & C)

AFR 494: The African American Rhetorical Tradition

AMS 380: Race, Gender, and Class (SB & C)

APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C)

APA 210: Introduction to Ethnic Studies in the U.S. (C)

APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C)

APA 360: Asian Pacific American Experience

ASB 346: Marriage and Family Diversity (SB & C)

CRJ 305: Gender, Crime, and Criminal Justice (C)

ETH 100: Ethnic and Indigenous Lives (SB & C)

FAS 370: Family Ethnic and Cultural Diversity (SB & C)

HRC 200: Introduction to Social and Cultural Analysis (SB & C)

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

JUS 210: Introduction to Ethnic Studies in the U.S. (C)

JUS 235: Disability, Justice and Advocacy (C)

JUS 350: Immigration and Justice (SB & C)

MCO 460: Race, Gender, and Media (C)

MUS 410: History of Women in Music (HU & C & H)

POS 435: Women and Politics (SB & C)

REL 330: Native American Worldviews (HU & C)

SOC 270: Sociology of Race and Ethnicity (SB & C)

SOC 378: Migration and Society (SB & C)

SOC 418: Aging and the Life Course (SB & H)

| | |
|---|---|
| SWU 494: Restorative Spaces and Therapeutic Communities | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| TCL 323: Latina/o Health Issues (SB & C) | SWU 418: Global Violence Against Women |
| TCL 340: Chicana/o and Latina/o Politics and Policy (L & C) | SWU 457: Southwest Borderland Immigration Issues (C) |
| TWC 454: Information Technology and Culture (C) | SWU 498: Indigenous Social Policy & Advocacy (L) |
| | WST 270: Global Perspectives on Women |
| | WST 300: Women and Gender in Contemporary Society (SB & C) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Community Advocacy and Social Policy, BA

School/College: Watts College of Public Service & Community Solut
Location: Online, ASU Local
PPCASPBA

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 171: Introduction to Social Work (SB & H) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | | • View ASU Online first-year student registration information here. |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECN 211: Macroeconomic Principles (SB) OR SWU 181: Economics: A Social Issues Perspective | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 26 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 101: Introduction to Philosophy (HU) OR PHI 105: Intro to Ethics (HU) OR SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) | 3 | | • By the end of Term 4, students should have completed the following requirements:<br>1. ECN 211 or SWU 181<br>2. PHI 101 or PHI 105 or SWU 183<br>3. POS 110 or SWU 182<br>• Join a student club or professional organization. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 26 - 32 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | |
| Elective | 3 | |
| Term hours subtotal: | 6 | |

| Term 3 - B 32 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR SWU 182: Social Services Perspective of Government (SB) | 3 | | • Develop your skills. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 39 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Diversity and Oppressed Populations | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 291: Social Service Delivery Systems | 3 | C | • Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| Public Service Interdisciplinary Requirement | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 321: Statistics for Social Workers (CS) | 3 | | |
| Diversity and Oppressed Populations | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 306: Ethics in Social Services (L) | 3 | C | |
| SWU 302: Human Biology for Social Workers | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 303: Micro Human Behavior and the Social Environment (L or SB) | 3 | C | |
| SWU 320: Research Methods in Social Work | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 350: Whole Person Health Across the Lifespan (SB) | 3 | C | |
| Upper Division Diversity and Oppressed Populations | 3 | | |

| | | | |
|---|---|---|---|
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SWU 340: Macro Human Behavior and the Social Environment (SB) | 3 | C | |
| SWU 374: Diversity and Oppression in a Social Work Context (C) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Social Problems and Interventions | 3 | | • For the Public Service Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Develop your professional online presence. |
| Public Service Interdisciplinary Requirement | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SWU 332: Social Policy and Advocacy | 3 | C | |
| Upper Division Social Problems and Interventions | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Social Problems and Interventions | 3 | | • Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Social Problems and Interventions | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Social Problems and Interventions | 3 | | • Apply for full-time career opportunities. |
| Upper Division Diversity and Oppressed Populations | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Diversity and Oppressed Populations | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ SWU 488: Advocacy Strategies | 3 | C | |

Term hours subtotal: 3

- For the Public Service Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.
- Social Problems and Interventions: Courses focus on social problems that disproportionately affect members of oppressed populations and change strategies. Select five of the courses in this sequence. Four courses must be SWU courses; 12 credits must be upper division.
- Diversity and Oppressed Populations: Courses focus on oppressed or marginalized populations and systems of oppression/domination. Select five of the courses in this sequence; two courses must be SWU courses; nine credits must be upper division.
- For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of SWU 291 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Public Service Interdisciplinary Requirement - Area 1 | Public Service Interdisciplinary Requirement - Area 2 | Public Service Interdisciplinary Requirement - Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | PAF 200: Public Service and Policy in the 21st Century | CRD 302: Inclusive Community Development (SB & C) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | PAF 201: Economics and Public Policy (SB) | CSM 201: Introduction to Parks, Recreation and Sport Management |
| CRJ 203: Courts and Sentencing | PAF 311: Leadership and Change (SB) | PRM 120: Leisure and the Quality of Life (SB) |
| CRJ 204: Juvenile Justice | PAF 410: Building Leadership Skills (SB) | PRM 380: Wilderness and Parks in America (SB & H) |
| CRJ 230: Introduction to Policing | | RTH 364: Foundations of Recreation Therapy (SB) |
| CRJ 240: Introduction to Corrections | | TDM 205: Introduction to Travel and Tourism (G) |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | | TDM 458: International Tourism (G) |
| CRJ 270: Community Justice (SB) | | |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | | |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | | |
| CRJ 309: Criminology (SB) | | |
| CRJ 350: Law and Social Control (SB) | | |

| Public Service Interdisciplinary Requirement - Area 4 | Social Problems and Interventions Courses | Diversity and Oppressed Populations Courses |
|---|---|---|
| CPP Elective | AIS 180: Introduction to American Indian Studies (C) | AFR 375: Race, Gender and Sport (SB & C) |
| | ASB 300: Food and Culture ((L or SB) & C) | AMS 380: Race, Gender, and Class (SB & C) |
| | ASB 462: Medical Anthropology: Culture and Health (SB & C) | APA 330: Asian Pacific American Genders and Sexualities ((L or SB) & C) |
| | CHS 201: International Indigenous Health | CRJ 305: Gender, Crime, and Criminal Justice (C) |

CRJ 204: Juvenile Justice

CRJ 461: Intimate-Partner Violence

HSC 210: Cultural Aspects of Health (C)

HST 339: Islam in the Modern World (HU & G)

SOC 241: Modern Social Problems (SB)

SOC 264: Sociology of Gender (SB & C)

SOC 270: Sociology of Race and Ethnicity (SB & C)

SOC 424: Women and Health (SB)

SPE 222: Orientation to Education of Exceptional Children (SB & C)

SWU 250: Stress Management Tools I (SB)

SWU 349: Stress Management Tools II (SB)

SWU 351: Sustainable Living, Mindful Eating (SB)

SWU 404: Social Work Practice in Health Care Settings

SWU 454: Overview of Addictions

SWU 456: Immigrants and Refugees (C)

SWU 458: Behavioral Health Services

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C)

SWU 462: Global Social Welfare (G)

TCL 323: Latina/o Health Issues (SB & C)

TWC 454: Information Technology and Culture (C)

FAS 370: Family Ethnic and Cultural Diversity (SB & C)

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

JUS 350: Immigration and Justice (SB & C)

MCO 460: Race, Gender, and Media (C)

MUS 410: History of Women in Music (HU & C & H)

POS 435: Women and Politics (SB & C)

REL 330: Native American Worldviews (HU & C)

SOC 270: Sociology of Race and Ethnicity (SB & C)

SOC 378: Migration and Society (SB & C)

SOC 418: Aging and the Life Course (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 457: Southwest Borderland Immigration Issues (C)

SWU 498: Indigenous Social Policy & Advocacy (L)

WST 300: Women and Gender in Contemporary Society (SB & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Criminology and Criminal Justice, BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix, West, ASU at Lake Havasu
PPCRIMJBS

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU 101 is for ASU first-year students only and is not required for transfer students<br>• Select your career interest area and play me3@ASU |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 201: Criminal Justice Crime Control Policies and Practices | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups.To meet the requirement, students must take two courses from at least two different groups.<br>• Secure a part-time job or volunteer experience.<br>• Explore study abroad options. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections | 6 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups.To meet the requirement, students must take two courses from at least two different groups.<br>• Create a first draft resume.<br>• Explore study abroad options. |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections | 3 | C | • The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of three credits.<br>• Upper-division course electives may fulfill the college Solution-Based Learning (SBL) requirement. Please see your advisor for more information.<br>• Develop your professional online presence.<br>• Explore study abroad options.<br>• Explore an internship. |
| Solution-Based Learning (SBL) Requirement | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 302: Research Methods (L) | 3 | C | • Explore study abroad options.<br>• Explore an internship. |
| Upper Division Related Area Course | 3 | C | |
| CRJ 2** Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 303: Statistical Analysis (CS) | 3 | C | |
| CRJ 309: Criminology (SB) | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 304: Inequality, Crime and Criminal Justice | 3 | C | • Research employment opportunities<br>• Complete an in person or virtual practice interview<br>• Explore an internship |
| CRJ 4** Elective | 3 | C | |
| *Complete 2 courses:*<br>CRJ 3** Elective OR CRJ 4** Elective | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 3 courses:*<br>CRJ 4** Elective | 9 | C | • Gather professional references<br>• Apply for full-time career opportunities |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) Requirement:
    - Students must complete SBL coursework for a total of three credits by degree completion.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CRD 471: Interprofessional Education and Community Health |
| CRD 472: Interprofessional Education and Complex Health |
| CRD 473: Interprofessional Education and Comprehensive Systems Health |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| NLM 160: Voluntary Action and Community Leadership (SB) |
| NLM 220: Introduction to Nonprofit Organizations |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| PAF 112: Identity, Service and American Democracy (SB & C) |
| PAF 200: Public Service and Policy in the 21st Century |
| PAF 201: Economics and Public Policy (SB) |
| PAF 240: Urban Policy (C) |
| PAF 311: Leadership and Change (SB) |
| PAF 410: Building Leadership Skills (SB) |

| Interdisciplinary Requirement - Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 |
| --- |
| CPP Elective |

| Solution-Based Learning (SBL) Requirement |
| --- |
| CPP 350: Community Works |
| CPP 353: Community Impact Lab |
| CRD 301: Sustainable Communities |
| CRD 435: Service Learning for Community Development |
| CRD 471: Interprofessional Education and Community Health |
| CRD 472: Interprofessional Education and Complex Health |

| Related Area Courses |
| --- |
| ASB 305: Poverty and Global Health ((L or SB) & G) |
| COM 312: Communication, Conflict, and Negotiation |
| COM 319: Persuasion and Social Influence (SB) |
| COM 414: Crisis Communication |
| CPP 350: Community Works |

- CRD 473: Interprofessional Education and Comprehensive Systems Health
- CRJ 317: Inside-Out Prison Exchange Program
- CRJ 394: Comparative Organized Crime
- CRJ 394: Taking it to the Streets: Service-Based Learning
- CRJ 394: The British Roots of U.S. Criminal Justice
- CRJ 455: Police and International Terrorism
- CRJ 456: Etiology of Martyrdom
- CRJ 484: Internship
- CRJ 492: Honors Directed Study
- CRJ 493: Honors Thesis (L)
- CRJ 496: Directed Research
- CRJ 499: Individualized Instruction
- NLM 160: Voluntary Action and Community Leadership (SB)
- NLM 435: Service Learning for Community Development
- PRM 145: Special Events Management
- PRM 203: Program Planning
- PRM 315: Creating Community Through Park and Recreation Systems
- PRM 370: Public Lands Management
- SWU 291: Social Service Delivery Systems
- SWU 394: Ending Homelessness
- TDM 345: Meeting and Convention Planning
- CRD 302: Inclusive Community Development (SB & C)
- ENG 301: Writing for the Professions (L)
- ENG 311: Persuasive Writing (L)
- FMS 380: Race and Gender in U.S. Media (HU & C)
- HST 325: Immigration and Ethnicity in the United States (SB & H & C)
- HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
- HST 338: American Indian History since 1900 ((HU or SB) & C & H)
- HST 454: History of Genocide (G & H)
- IAS 300: Career Strategies and Personal Resilience (L or SB)
- JUS 329: Domestic Violence (SB)
- JUS 350: Immigration and Justice (SB & C)
- JUS 374: The Holocaust, Genocide, and Human Rights
- JUS 432: Racial Justice (L)
- JUS 477: Youth and Justice (L or SB)
- PAF 300: Public Management and Administration
- PAF 311: Leadership and Change (SB)
- PAF 340: Contemporary Policy Challenges
- PAF 410: Building Leadership Skills (SB)
- PAF 460: Public Service Ethics
- PAF 469: Terrorism Defense
- PHI 306: Applied Ethics (HU)
- PHI 307: Philosophy of Law (HU)
- PHI 336: Social and Political Philosophy (HU)
- PHI 360: Business and Professional Ethics (HU)
- POS 310: American National Government (SB)
- POS 325: Public Policy Development (SB)
- POS 364: National Security, Intelligence, and Terrorism (SB)
- POS 370: Law and Society (SB)
- POS 442: American Political Thought (HU)

POS 471: Constitutional Law I (SB)

PSY 350: Social Psychology (SB)

PSY 366: Psychological Disorders (SB)

PUP 301: Introduction to Urban Planning (L)

REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) or SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G)

REL 381: Religion and Moral Issues (L or HU)

SOC 340: Social Deviance (SB)

SOC 352: Social Change (SB & G & H)

SOC 363: Men and Masculinity (SB)

SOC 426: Social Inequalities (SB)

STS 364: Science, Technology, and National Security (SB)

SWU 454: Overview of Addictions

SWU 456: Immigrants and Refugees (C)

SWU 457: Southwest Borderland Immigration Issues (C)

SWU 460: Legal Issues in Social Work

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)

TCL 332: Mexican American History Since 1900 (SB & H & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Criminology and Criminal Justice, BS

School/College: Watts College of Public Service & Community Solut
Location: Online, ASU Local
PPCRIMJBS

FT Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year registration information here.<br>• Select your career interest area and play me3@ASU. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 20 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | • Secure a part-time job or volunteer experience.<br>• Explore study abroad options. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 201: Criminal Justice Crime Control Policies and Practices | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections | 3 | C | • Create a first draft resume.<br>• Explore study abroad options. |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections | 3 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 203: Courts and Sentencing OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections | 3 | C | • Explore study abroad options.<br>• Explore an internship. |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Interdisciplinary Requirement | 3 | | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Develop your professional online presence. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 302: Research Methods (L) | 3 | C | • Explore study abroad options.<br>• Explore an internship. |
| CRJ 2** Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 303: Statistical Analysis (CS) | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups.To meet the requirement, students must take two courses from at least two different groups. |
| Interdisciplinary Requirement | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 304: Inequality, Crime and Criminal Justice | 3 | C | • Explore study abroad options.<br>• Explore an internship. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | |

| | | |
|---|---|---|
| Solution-Based Learning (SBL) Requirement | 3 | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Term hours subtotal: | 6 | |

- The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of three credits.
- Upper-division course electives may fulfill the college Solution-Based Learning (SBL) requirement. Please see your advisor for more information.

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 309: Criminology (SB) | 3 | C | • Explore study abroad options.<br>• Explore an internship. |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 3** Elective OR CRJ 4** Elective | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 3** Elective OR CRJ 4** Elective | 3 | C | • Explore study abroad options.<br>• Explore an internship. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 4** Elective | 3 | C | • Use Handshake to research employment opportunities. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 4** Elective | 3 | C | • Complete an in person or virtual practice interview<br>• Explore an internship |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 4** Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 4** Elective | 3 | C | • Gather professional references |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | |
|---|---|
| Upper Division Elective | 3 |
| Term hours subtotal: | 3 |

- Apply for full-time career opportunities

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete SBL coursework for a total of 3 credits by degree completion.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 |
|---|
| CRD 302: Inclusive Community Development (SB & C) |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement - Area 2 |
|---|
| PAF 200: Public Service and Policy in the 21st Century |
| PAF 201: Economics and Public Policy (SB) |
| PAF 311: Leadership and Change (SB) |
| PAF 410: Building Leadership Skills (SB) |

| Interdisciplinary Requirement - Area 3 |
|---|
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 |
|---|
| CPP Elective |

| Solution-Based Learning (SBL) Requirement |
|---|
| CPP 350: Community Works |
| CPP 353: Community Impact Lab |
| CRD 435: Service Learning for Community Development |
| CRJ 394: Comparative Organized Crime |
| CRJ 394: Taking it to the Streets: Service-Based Learning |
| CRJ 394: The British Roots of U.S. Criminal Justice |
| CRJ 455: Police and International Terrorism |
| CRJ 456: Etiology of Martyrdom |

| Related Area Courses |
|---|
| ASB 305: Poverty and Global Health ((L or SB) & G) |
| COM 312: Communication, Conflict, and Negotiation |
| COM 319: Persuasion and Social Influence (SB) |
| COM 414: Crisis Communication |
| CPP 350: Community Works |
| CRD 302: Inclusive Community Development (SB & C) |
| ENG 301: Writing for the Professions (L) |

- CRJ 484: Internship
- CRJ 499: Individualized Instruction
- NLM 435: Service Learning for Community Development
- PRM 145: Special Events Management
- PRM 203: Program Planning
- SWU 291: Social Service Delivery Systems
- SWU 394: Ending Homelessness
- TDM 345: Meeting and Convention Planning
- ENG 311: Persuasive Writing (L)
- FMS 380: Race and Gender in U.S. Media (HU & C)
- HST 325: Immigration and Ethnicity in the United States (SB & H & C)
- HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
- HST 338: American Indian History since 1900 ((HU or SB) & C & H)
- HST 454: History of Genocide (G & H)
- IAS 300: Career Strategies and Personal Resilience (L or SB)
- JUS 329: Domestic Violence (SB)
- JUS 350: Immigration and Justice (SB & C)
- JUS 374: The Holocaust, Genocide, and Human Rights
- JUS 432: Racial Justice (L)
- JUS 477: Youth and Justice (L or SB)
- PAF 300: Public Management and Administration
- PAF 311: Leadership and Change (SB)
- PAF 340: Contemporary Policy Challenges
- PAF 410: Building Leadership Skills (SB)
- PAF 460: Public Service Ethics
- PAF 469: Terrorism Defense
- PHI 306: Applied Ethics (HU)
- PHI 307: Philosophy of Law (HU)
- PHI 336: Social and Political Philosophy (HU)
- PHI 360: Business and Professional Ethics (HU)
- POS 310: American National Government (SB)
- POS 325: Public Policy Development (SB)
- POS 364: National Security, Intelligence, and Terrorism (SB)
- POS 370: Law and Society (SB)
- POS 442: American Political Thought (HU)
- POS 471: Constitutional Law I (SB)
- PSY 350: Social Psychology (SB)
- PSY 366: Psychological Disorders (SB)

PUP 301: Introduction to Urban Planning (L)

REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G) or SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G)

REL 381: Religion and Moral Issues (L or HU)

SOC 340: Social Deviance (SB)

SOC 352: Social Change (SB & G & H)

SOC 363: Men and Masculinity (SB)

SOC 426: Social Inequalities (SB)

STS 364: Science, Technology, and National Security (SB)

SWU 454: Overview of Addictions

SWU 456: Immigrants and Refugees (C)

SWU 457: Southwest Borderland Immigration Issues (C)

SWU 460: Legal Issues in Social Work

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)

TCL 332: Mexican American History Since 1900 (SB & H & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Criminology and Criminal Justice (Policing), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix, West
PPCRJPOLBS

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU 101 is for ASU first-year students only and is not required for transfer students<br>• Select your career interest area and play me3@ASU |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 201: Criminal Justice Crime Control Policies and Practices | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Secure a part-time job or volunteer experience<br>• Explore study abroad options |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 203: Courts and Sentencing OR CRJ 240: Introduction to Corrections | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Create a first draft resume |
| CRJ 230: Introduction to Policing | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 203: Courts and Sentencing OR CRJ 240: Introduction to Corrections | 3 | C | • The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of three credit hours.<br>• Upper-division course electives may fulfill the college Solution-Based Learning (SBL) requirement. Please see your advisor for more information.<br>• Develop your professional online presence.<br>• Explore study abroad options.<br>• Explore an internship. |
| Solution-Based Learning (SBL) Requirement | 3 | | |
| CRJ 2** Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 302: Research Methods (L) | 3 | C | |
| CRJ 309: Criminology (SB) | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 303: Statistical Analysis (CS) | 3 | C | • Explore study abroad options<br>• Explore an internship |
| CRJ 315: Police Organization and Management | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 304: Inequality, Crime and Criminal Justice | 3 | C | • Research employment opportunities<br>• Complete an in person or virtual practice interview<br>• Explore an internship<br>• Policing Concentration Elective: Choose one course from the list below. Students enrolling in CRJ 484 should have an internship with local, state, or federal police or law enforcement agency. Students may substitute other CRJ 494 topics if course focuses on a policing topic. |
| CRJ 409: Police Accountability | 3 | C | |
| Upper Division Policing Concentration Elective | 3 | C | |
| CRJ 4** Elective | 3 | C | |
| CRJ Upper Division Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 4** Elective | 3 | C | • Gather professional references |

| | | |
|---|---|---|
| CRJ 410: Criminal Procedure I: The Law of Investigations | 3 | C |
| CRJ 450: Crime Analysis | 3 | C |
| Upper Division Related Area Course | 3 | C |
| Term hours subtotal: | 12 | |

- Apply for full-time career opportunities

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) Requirement:
  - Students must complete SBL coursework for a total of three credit hours by degree completion.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 | Interdisciplinary Requirement - Area 2 | Interdisciplinary Requirement - Area 3 |
|---|---|---|
| CRD 302: Inclusive Community Development (SB & C) | PAF 112: Identity, Service and American Democracy (SB & C) | SWU 171: Introduction to Social Work (SB & H) |
| CRD 471: Interprofessional Education and Community Health | PAF 200: Public Service and Policy in the 21st Century | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| CRD 472: Interprofessional Education and Complex Health | PAF 201: Economics and Public Policy (SB) | SWU 181: Economics: A Social Issues Perspective |
| CRD 473: Interprofessional Education and Comprehensive Systems Health | PAF 240: Urban Policy (C) | SWU 182: Social Services Perspective of Government (SB) |
| CSM 201: Introduction to Parks, Recreation and Sport Management | PAF 311: Leadership and Change (SB) | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| NLM 160: Voluntary Action and Community Leadership (SB) | PAF 410: Building Leadership Skills (SB) | SWU 250: Stress Management Tools I (SB) |
| NLM 220: Introduction to Nonprofit Organizations | | SWU 349: Stress Management Tools II (SB) |
| PRM 120: Leisure and the Quality of Life (SB) | | SWU 456: Immigrants and Refugees (C) |
| PRM 380: Wilderness and Parks in America (SB & H) | | SWU 458: Behavioral Health Services |
| RTH 364: Foundations of Recreation Therapy (SB) | | SWU 459: Spirituality and the Helping Professions |
| TDM 205: Introduction to Travel and Tourism (G) | | SWU 460: Legal Issues in Social Work |
| TDM 458: International Tourism (G) | | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 | Upper Division Policing Concentration Elective | Solution-Based Learning (SBL) Requirement |
|---|---|---|
| CPP Elective | CRJ 321: Evidence: Imperatives of Proof | CPP 350: Community Works |
| | CRJ 403: Victims and the Criminal Justice System | CPP 353: Community Impact Lab |
| | CRJ 455: Police and International Terrorism | CRD 301: Sustainable Communities |
| | | CRD 435: Service Learning for Community Development |

CRJ 484: Internship

CRJ 494: Community Policing

CRJ 494: Problem-Oriented Policing

CRJ 494: Visual Media, Neighborhoods, & Policing

CRD 471: Interprofessional Education and Community Health

CRD 472: Interprofessional Education and Complex Health

CRD 473: Interprofessional Education and Comprehensive Systems Health

CRJ 317: Inside-Out Prison Exchange Program

CRJ 394: Comparative Organized Crime

CRJ 394: Taking it to the Streets: Service-Based Learning

CRJ 394: The British Roots of U.S. Criminal Justice

CRJ 455: Police and International Terrorism

CRJ 456: Etiology of Martyrdom

CRJ 484: Internship

CRJ 492: Honors Directed Study

CRJ 493: Honors Thesis (L)

CRJ 496: Directed Research

CRJ 499: Individualized Instruction

NLM 160: Voluntary Action and Community Leadership (SB)

NLM 435: Service Learning for Community Development

PRM 145: Special Events Management

PRM 203: Program Planning

PRM 315: Creating Community Through Park and Recreation Systems

PRM 370: Public Lands Management

SWU 291: Social Service Delivery Systems

SWU 394: Ending Homelessness

TDM 345: Meeting and Convention Planning

Related Area Courses

ASB 305: Poverty and Global Health ((L or SB) & G)

COM 312: Communication, Conflict, and Negotiation

COM 319: Persuasion and Social Influence (SB)

COM 414: Crisis Communication

- CPP 350: Community Works
- CRD 302: Inclusive Community Development (SB & C)
- ENG 301: Writing for the Professions (L)
- ENG 311: Persuasive Writing (L)
- FMS 380: Race and Gender in U.S. Media (HU & C)
- HST 325: Immigration and Ethnicity in the United States (SB & H & C)
- HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
- HST 338: American Indian History since 1900 ((HU or SB) & C & H)
- HST 454: History of Genocide (G & H)
- IAS 300: Career Strategies and Personal Resilience (L or SB)
- JUS 329: Domestic Violence (SB)
- JUS 350: Immigration and Justice (SB & C)
- JUS 374: The Holocaust, Genocide, and Human Rights
- JUS 432: Racial Justice (L)
- JUS 477: Youth and Justice (L or SB)
- PAF 300: Public Management and Administration
- PAF 311: Leadership and Change (SB)
- PAF 340: Contemporary Policy Challenges
- PAF 410: Building Leadership Skills (SB)
- PAF 460: Public Service Ethics
- PAF 469: Terrorism Defense
- PHI 306: Applied Ethics (HU)
- PHI 307: Philosophy of Law (HU)
- PHI 336: Social and Political Philosophy (HU)
- PHI 360: Business and Professional Ethics (HU)
- POS 310: American National Government (SB)
- POS 325: Public Policy Development (SB)
- POS 364: National Security, Intelligence, and Terrorism (SB)
- POS 370: Law and Society (SB)

POS 442: American Political Thought (HU)

POS 471: Constitutional Law I (SB)

PSY 350: Social Psychology (SB)

PSY 366: Psychological Disorders (SB)

PUP 301: Introduction to Urban Planning (L)

REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)

REL 381: Religion and Moral Issues (L or HU)

SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G)

SOC 340: Social Deviance (SB)

SOC 352: Social Change (SB & G & H)

SOC 363: Men and Masculinity (SB)

SOC 426: Social Inequalities (SB)

STS 364: Science, Technology, and National Security (SB)

SWU 454: Overview of Addictions

SWU 456: Immigrants and Refugees (C)

SWU 457: Southwest Borderland Immigration Issues (C)

SWU 460: Legal Issues in Social Work

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)

TCL 332: Mexican American History Since 1900 (SB & H & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Criminology and Criminal Justice (Policing), BS

School/College: Watts College of Public Service & Community Solut
Location: Online, ASU Local
PPCRJPOLBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year registration information here.<br>• Select your career interest area and play me3@ASU |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 20 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | • Secure a part-time job or volunteer experience<br>• Explore study abroad options |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 201: Criminal Justice Crime Control Policies and Practices | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 203: Courts and Sentencing OR CRJ 240: Introduction to Corrections | 3 | C | • Create a first draft resume<br>• Explore study abroad options |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 230: Introduction to Policing | 3 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 203: Courts and Sentencing OR CRJ 240: Introduction to Corrections | 3 | C | • Explore study abroad options<br>• Explore an internship |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 45 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Interdisciplinary Requirement | 3 | | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Develop your professional online presence. |
| Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 302: Research Methods (L) | 3 | C | • Explore study abroad options<br>• Explore an internship |
| CRJ 2** Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 303: Statistical Analysis (CS) | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| Interdisciplinary Requirement | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 304: Inequality, Crime and Criminal Justice | 3 | C | • Explore study abroad options<br>• Explore an internship |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | • The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of three credit hours.<br>• Upper-division course electives may fulfill the college Solution-Based Learning (SBL) |
| Solution-Based Learning (SBL) Requirement | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

requirement. Please see your advisor for more information.

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 309: Criminology (SB) | 3 | C | |
| Upper Division Related Area Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Related Area Course | 3 | C | |
| CRJ Upper Division Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 315: Police Organization and Management | 3 | C | • Explore study abroad options<br>• Explore an internship |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 4** Elective | 3 | C | • Use Handshake to research employment opportunities |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 4** Elective | 3 | C | • Complete an in person or virtual practice interview<br>• Explore an internship |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 409: Police Accountability | 3 | C | |
| CRJ 410: Criminal Procedure I: The Law of Investigations | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRJ 450: Crime Analysis | 3 | C | • Gather professional references |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Policing Concentration Elective | 3 | C | • Apply for full-time career opportunities<br>• Policing Concentration Elective: choose one course from the list below.<br>• Students enrolling in CRJ 484 should have an internship with local, state, or federal police or law enforcement agency. Students may |
| Term hours subtotal: | 3 | | |

substitute other CRJ 494 topics if course focuses on a policing topic.

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete SBL coursework for a total of three credit hours by degree completion.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| PAF 200: Public Service and Policy in the 21st Century |
| PAF 201: Economics and Public Policy (SB) |
| PAF 311: Leadership and Change (SB) |
| PAF 410: Building Leadership Skills (SB) |

| Interdisciplinary Requirement - Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 |
| --- |
| CPP Elective |

| Upper Division Policing Concentration Elective |
| --- |
| CRJ 321: Evidence: Imperatives of Proof |
| CRJ 403: Victims and the Criminal Justice System |
| CRJ 455: Police and International Terrorism |
| CRJ 484: Internship |
| CRJ 494: Community Policing |
| CRJ 494: Problem-Oriented Policing |
| CRJ 494: Visual Media, Neighborhoods, & Policing |

| Solution-Based Learning (SBL) Requirement |
| --- |
| CPP 350: Community Works |
| CPP 353: Community Impact Lab |
| CRD 435: Service Learning for Community Development |
| CRJ 394: Comparative Organized Crime |
| CRJ 394: Taking it to the Streets: Service-Based Learning |
| CRJ 394: The British Roots of U.S. Criminal Justice |
| CRJ 455: Police and International Terrorism |
| CRJ 456: Etiology of Martyrdom |

- CRJ 484: Internship
- CRJ 499: Individualized Instruction
- NLM 435: Service Learning for Community Development
- PRM 145: Special Events Management
- PRM 203: Program Planning
- SWU 291: Social Service Delivery Systems
- SWU 394: Ending Homelessness
- TDM 345: Meeting and Convention Planning

Related Area Courses

- ASB 305: Poverty and Global Health ((L or SB) & G)
- COM 312: Communication, Conflict, and Negotiation
- COM 319: Persuasion and Social Influence (SB)
- COM 414: Crisis Communication
- CPP 350: Community Works
- CRD 302: Inclusive Community Development (SB & C)
- ENG 301: Writing for the Professions (L)
- ENG 311: Persuasive Writing (L)
- FMS 380: Race and Gender in U.S. Media (HU & C)
- HST 325: Immigration and Ethnicity in the United States (SB & H & C)
- HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
- HST 338: American Indian History since 1900 ((HU or SB) & C & H)
- HST 454: History of Genocide (G & H)
- IAS 300: Career Strategies and Personal Resilience (L or SB)
- JUS 329: Domestic Violence (SB)
- JUS 350: Immigration and Justice (SB & C)
- JUS 374: The Holocaust, Genocide, and Human Rights
- JUS 432: Racial Justice (L)
- JUS 477: Youth and Justice (L or SB)

- PAF 300: Public Management and Administration
- PAF 311: Leadership and Change (SB)
- PAF 340: Contemporary Policy Challenges
- PAF 410: Building Leadership Skills (SB)
- PAF 460: Public Service Ethics
- PAF 469: Terrorism Defense
- PHI 306: Applied Ethics (HU)
- PHI 307: Philosophy of Law (HU)
- PHI 336: Social and Political Philosophy (HU)
- PHI 360: Business and Professional Ethics (HU)
- POS 310: American National Government (SB)
- POS 325: Public Policy Development (SB)
- POS 364: National Security, Intelligence, and Terrorism (SB)
- POS 370: Law and Society (SB)
- POS 442: American Political Thought (HU)
- POS 471: Constitutional Law I (SB)
- PSY 350: Social Psychology (SB)
- PSY 366: Psychological Disorders (SB)
- PUP 301: Introduction to Urban Planning (L)
- REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)
- REL 381: Religion and Moral Issues (L or HU)
- SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G)
- SOC 340: Social Deviance (SB)
- SOC 352: Social Change (SB & G & H)
- SOC 363: Men and Masculinity (SB)
- SOC 426: Social Inequalities (SB)
- STS 364: Science, Technology, and National Security (SB)
- SWU 454: Overview of Addictions
- SWU 456: Immigrants and Refugees (C)
- SWU 457: Southwest Borderland Immigration Issues (C)

SWU 460: Legal Issues in Social Work

TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) & H & C)

TCL 332: Mexican American History Since 1900 (SB & H & C)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Emergency Management and Homeland Security, BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPEMHSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| MAT 142: College Mathematics (MA) | 3 | C | |
| PAF 112: Identity, Service and American Democracy (SB & C) | 3 | C | |
| ASU 101-CPP: The ASU Experience | 1 | | |
| SOC 101: Introductory Sociology (SB) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| PAF 160: Fundamentals of Disaster Governance, Politics and Policy | 3 | C | |
| POS 110: American Government and Politics (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 261: Hazards and Risk Management | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Develop your skills. |
| Interdisciplinary Requirement | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship. |
| COM 225: Public Speaking (L) | 3 | C | |
| *Complete 2 courses:* Emergency Management and Homeland Security Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence. |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| PAF 360: Emergency Management I | 3 | C | |
| Upper Division Emergency Management and Homeland Security Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 302: Public Service Research Methods | 3 | C | • Complete an in person or virtual practice interview. |
| CRJ 412: International Terrorism | 3 | C | |
| PAF 362: Biosecurity and Biodefense | 3 | C | |
| PAF 424: Emergency Management II | 3 | C | |
| PAF 461: Homeland Security | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Choose Emergency Management and Homeland Security Electives from the list at the bottom of the major map. |
| PAF 426: Intelligence Analysis and Homeland Security | 3 | C | |
| *Complete 2 courses:* Upper Division Emergency Management and Homeland Security Elective | 6 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | • Successful completion of PAF 400 will satisfy the college Solution-Based Learning (SBL) requirement.<br>• Choose an Emergency Management and Homeland Security Elective from the list at the bottom of the major map. |
| Upper Division Emergency Management and Homeland Security Elective | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  Students can choose courses from any of the four Interdisciplinary Areas/track groups.
  To meet the requirement, students must take two courses from at least two different groups.
- For the Solution Based Learning (SBL) College Requirement:
  PAF 400 satisfies the SBL requirement.
  Students must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CRD 471: Interprofessional Education and Community Health |
| CRD 472: Interprofessional Education and Complex Health |
| CRD 473: Interprofessional Education and Comprehensive Systems Health |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| NLM 160: Voluntary Action and Community Leadership (SB) |
| NLM 220: Introduction to Nonprofit Organizations |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement - Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 |
| --- |
| CPP Elective |

| Emergency Management and Homeland Security Electives |
| --- |
| PAF 200: Public Service and Policy in the 21st Century |
| PAF 300: Public Management and Administration |
| PAF 363: Technology in Emergency Management |
| PAF 410: Building Leadership Skills (SB) |
| PAF 468: Planning and Exercises |

| |
|---|
| PAF 484: Internship |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 230: Introduction to Policing |
| CRJ 417: Cyber Terrorism |
| CRJ 419: Domestic Terrorism |
| CRJ 455: Police and International Terrorism |
| CRJ 456: Etiology of Martyrdom |
| GIS 205: Geographic Information Science I (CS) |
| GIS 211: Geographic Information Science II (CS) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Emergency Management and Homeland Security, BS

School/College: Watts College of Public Service & Community Solut
Location: Online, ASU Local
PPEMHSBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 112: Identity, Service and American Democracy (SB & C) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| SOC 101: Introductory Sociology (SB) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - A 16 - 22 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 160: Fundamentals of Disaster Governance, Politics and Policy | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 22 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 28 - 34 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 261: Hazards and Risk Management | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four |
| Interdisciplinary Requirement | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |

| Term 3 - B 34 - 41 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | • Develop your skills. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 47 - 54 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Emergency Management and Homeland Security Elective | 3 | | • Choose Emergency Management and Homeland Security Electives from the list at the bottom of the major map. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 54 - 60 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Explore an internship. |
| PAF 360: Emergency Management I | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 60 - 66 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Emergency Management and Homeland Security Elective | 3 | | • Choose Emergency Management and Homeland Security Electives from the list at the bottom of the major map. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 66 - 72 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 301: Applied Statistics (CS) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 72 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 362: Biosecurity and Biodefense | 3 | C | |
| PAF 302: Public Service Research Methods | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 78 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 461: Homeland Security | 3 | C | |

| | | | |
|---|---|---|---|
| PAF 424: Emergency Management II | 3 | C | • Develop your professional online presence. |
| Term hours subtotal: | 6 | | |

| Term 7 - B 84 - 90 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRJ 412: International Terrorism | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 426: Intelligence Analysis and Homeland Security | 3 | C | • Choose Emergency Management and Homeland Security Electives from the list at the bottom of the major map. |
| Upper Division Emergency Management and Homeland Security Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 96 - 102 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Emergency Management and Homeland Security Elective | 3 | | • Complete an in person or virtual practice interview. |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 460: Public Service Ethics | 3 | C | • Choose Emergency Management and Homeland Security Electives from the list at the bottom of the major map. |
| Upper Division Emergency Management and Homeland Security Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 400: Senior Capstone Project | 3 | C | • Successful completion of PAF 400 will satisfy the college Solution-Based Learning (SBL) requirement. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Emergency Management and Homeland Security Elective | 3 | | • Choose Emergency Management and Homeland Security Electives from the list at the bottom of the major map. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- 
  - For the Interdisciplinary Requirement:
    Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.
  - For the Solution Based Learning (SBL) College Requirement:
    PAF 400 satisfies the SBL requirement.

Students must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement - Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 |
| --- |
| CPP Elective |

| Emergency Management and Homeland Security Electives |
| --- |
| PAF 200: Public Service and Policy in the 21st Century |
| PAF 300: Public Management and Administration |
| PAF 363: Technology in Emergency Management |
| PAF 410: Building Leadership Skills (SB) |
| PAF 468: Planning and Exercises |
| PAF 484: Internship |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 230: Introduction to Policing |
| CRJ 417: Cyber Terrorism |
| CRJ 419: Domestic Terrorism |
| CRJ 455: Police and International Terrorism |
| CRJ 456: Etiology of Martyrdom |
| GIS 205: Geographic Information Science I (CS) |

GIS 211: Geographic Information Science II (CS)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Nonprofit Leadership and Management, BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPNLMBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 160: Voluntary Action and Community Leadership (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. ASU 101 is not required for transfer students.<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Successful completion of NLM 160 will satisfy the college Solution-Based Learning (SBL) Requirement.<br>• Secure experience to start your 100 career field exploration hours. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Milestone: Meet with the Clinical Assistant Professor for Internships to discuss requirement of 100 career field exploration hours. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 210: Community Services and Professions | 3 | C | • Secure experience to start your 100 career field exploration hours.<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 220: Introduction to Nonprofit Organizations | 3 | C | • Secure experience to continue your 100 career field exploration hours |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Minimum 2.50 GPA ASU Cumulative. | | |
| Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Interdisciplinary Requirement | 3 | | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Secure experience to continue your 100 career field exploration hours. |
| Nonprofit Leadership and Management Elective | 3 | C | |
| Literacy and Critical Inquiry (L) ( COM 225 OR ENG 301 recommended) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 301: Sustainable Communities | 3 | C | • Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your skills<br>• Secure experience to continue your 100 career field exploration hours |
| NLM 300: Fund Raising and Resource Development | 3 | C | |
| CRD 302: Inclusive Community Development (SB & C) | 3 | C | |
| NLM 310: Volunteer Management | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 380: Financial Management for Nonprofit Organizations | 3 | C | • Successful completion of NLM 402 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your professional online presence<br>• Secure experience to continue your 100 career field exploration hours |
| NLM 402: Assessment and Evaluation of Community Services | 3 | C | |
| NLM 410: Social Entrepreneurship | 3 | C | |
| Nonprofit Leadership and Management Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 430: Managing Nonprofit Organizations (L) | 3 | C | • Use Handshake to research employment/internship opportunities<br>• Secure experience to complete your 100 career field exploration hours |
| CRD 403: Leadership and Professional Development | 3 | C | |
| *Complete 2 courses:*<br>Nonprofit Leadership and Management Elective | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 463: Senior Internship | 12 | C | • Successful completion of NLM 463 will satisfy the college Solution-Based Learning (SBL) Requirement |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of NLM 160, CRD 301, NLM 402, or NLM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| PAF 112: Identity, Service and American Democracy (SB & C) |
| PAF 200: Public Service and Policy in the 21st Century |
| PAF 201: Economics and Public Policy (SB) |
| PAF 240: Urban Policy (C) |
| PAF 311: Leadership and Change (SB) |
| PAF 410: Building Leadership Skills (SB) |

| Interdisciplinary Requirement - Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 |
| --- |
| CPP Elective |

| Nonprofit Leadership and Management Elective |
| --- |
| ACC 382: Accounting and Financial Analysis |
| COM 259: Communication in Business and the Professions |
| COM 263: Elements of Intercultural Communication (SB & C & G) |
| CRD Elective |
| CSM 485: Sports Events |
| CSM Elective |

| |
|---|
| MGT 380: Management and Strategy for Nonmajors |
| NLM 203: Program Planning |
| NLM 320: Professional Development Seminar |
| NLM 420: Nonprofit Leadership Alliance Institute |
| NLM 435: Service Learning for Community Development |
| NLM 451: Grant Writing |
| PAF 410: Building Leadership Skills (SB) |
| PRM 145: Special Events Management |
| PRM 304: Recreation and Sport Planning and Facilities (L) |
| PRM 370: Public Lands Management |
| PRM Elective |
| RTH 364: Foundations of Recreation Therapy (SB) |
| SOC 241: Modern Social Problems (SB) |
| TDM Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Nonprofit Leadership and Management (American Indian Studies), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPNLMAIBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS 180: Introduction to American Indian Studies (C) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Successful completion of NLM 160 will satisfy the college Solution-Based Learning (SBL) Requirement.<br>• Secure experience to start your 100 career field exploration hours. |
| NLM 160: Voluntary Action and Community Leadership (SB) | 3 | C | |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Elective | 3 | | |
| Milestone: Meet with the Clinical Assistant Professor for Internships to discuss requirement of 100 career field exploration hours. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 210: Community Services and Professions | 3 | C | • Secure experience to start your 100 career field exploration hours. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 220: Introduction to Nonprofit Organizations | 3 | C | • For the Interdisciplinary Requirement: students can choose courses from any of the four Interdisciplinary Areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Secure experience to continue your 100 career field exploration hours. |
| Interdisciplinary Requirement | 3 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |

| | | | |
|---|---|---|---|
| Minimum 2.50 GPA ASU Cumulative. | | | |
| | Term hours subtotal: | 16 | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AIS 285: Federal Indian Policy (H & C) | 3 | C | • For the Interdisciplinary Requirement: students can choose courses from any of the four Interdisciplinary Areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Secure experience to continue your 100 career field exploration hours. |
| Interdisciplinary Requirement | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Literacy and Critical Inquiry (L) ( COM 225 OR ENG 301 recommended) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 300: Fund Raising and Resource Development | 3 | C | • Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your skills<br>• Secure experience to continue your 100 career field exploration hours |
| AIS 360: Issues in Urban Indian Country (C) | 3 | C | |
| CRD 301: Sustainable Communities | 3 | C | |
| CRD 302: Inclusive Community Development (SB & C) | 3 | C | |
| NLM 310: Volunteer Management | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 380: Financial Management for Nonprofit Organizations | 3 | C | • Successful completion of NLM 402 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your professional online presence<br>• Secure experience to continue your 100 career field exploration hours |
| AIS 380: Contemporary Issues of American Indian Nations (C) | 3 | C | |
| NLM 402: Assessment and Evaluation of Community Services | 3 | C | |
| NLM 410: Social Entrepreneurship | 3 | C | |
| Nonprofit Leadership and Management Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 430: Managing Nonprofit Organizations (L) | 3 | C | • Use Handshake to research employment/internship opportunities<br>• Secure experience to complete your 100 career field exploration hours |
| AIS 370: American Indian Languages and Cultures (C) OR AIS 470: Tribal Governance | 3 | C | |
| CRD 403: Leadership and Professional Development | 3 | C | |
| Nonprofit Leadership and Management Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| NLM 463: Senior Internship | 12 | C | • Successful completion of NLM 463 will satisfy the college Solution-Based Learning (SBL) Requirement |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary Areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of NLM 160, CRD 301, NLM 402, or NLM 463 will satisfy the SBL requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| PAF 112: Identity, Service and American Democracy (SB & C) |
| PAF 200: Public Service and Policy in the 21st Century |
| PAF 201: Economics and Public Policy (SB) |
| PAF 240: Urban Policy (C) |
| PAF 311: Leadership and Change (SB) |
| PAF 410: Building Leadership Skills (SB) |

| Interdisciplinary Requirement - Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 |
| --- |
| CPP Elective |

| Nonprofit Leadership and Management Elective |
| --- |
| ACC 382: Accounting and Financial Analysis |
| COM 259: Communication in Business and the Professions |
| COM 263: Elements of Intercultural Communication (SB & C & G) |
| CRD Elective |
| CSM 485: Sports Events |
| CSM Elective |
| MGT 380: Management and Strategy for Nonmajors |
| NLM 203: Program Planning |

| |
|---|
| NLM 320: Professional Development Seminar |
| NLM 420: Nonprofit Leadership Alliance Institute |
| NLM 435: Service Learning for Community Development |
| NLM 451: Grant Writing |
| PAF 410: Building Leadership Skills (SB) |
| PRM 145: Special Events Management |
| PRM 304: Recreation and Sport Planning and Facilities (L) |
| PRM Elective |
| RTH 364: Foundations of Recreation Therapy (SB) |
| SOC 241: Modern Social Problems (SB) |
| TDM Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Parks, Recreation and Sport Management, BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPRMBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• ASU 101 is for ASU first-year students only and is not required for transfer students.<br>• For the Interdisciplinary Requirement, students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Secure experience to start your 100 career field exploration hours. |
| PRM 120: Leisure and the Quality of Life (SB) | 3 | C | |
| ASU 101-CPP: The ASU Experience | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Milestone: Meet with the Clinical Assistant Professor for Internships to discuss requirement of 100 career field exploration hours. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement.<br>• Secure experience to start your 100 career field exploration hours.<br>• Activate your Handshake account and build out your profile. |
| PRM 203: Program Planning | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 210: Community Services and Professions | 3 | C | • Secure experience to continue your 100 career field exploration hours. |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 15 | | |

| Term 4 47 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 201: Introduction to Parks, Recreation and Sport Management | 3 | C | • For the Interdisciplinary Requirement, students can choose courses from any of the four Interdisciplinary areas/track groups.To meet the requirement, students must take two courses from at least two different groups.<br>• Secure experience to continue your 100 career field exploration hours. |
| Interdisciplinary Requirement | 3 | | |
| Literacy and Critical Inquiry (L) ( COM 225 OR ENG 301 recommended) | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 301: Sustainable Communities | 3 | C | • Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement.<br>• Develop your skills.<br>• PRM 304 is offered Fall semester only.<br>• Secure experience to continue your 100 career field exploration hours. |
| PRM 304: Recreation and Sport Planning and Facilities (L) | 3 | C | |
| PRM 306: Advanced Programming and Facilitation | 3 | C | |
| PRM 350: Tourism, Recreation and Sports Marketing | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 302: Inclusive Community Development (SB & C) | 3 | C | • Emphasis Area Requirement: courses may be chosen from one or more Emphasis Areas.<br>• For a career as a Park Ranger, please take the Park Ranger/Natural Resource Management Emphasis Area courses.<br>• Successful completion of PRM 402 will satisfy the college Solution-Based Learning (SBL) Requirement.<br>• Develop your professional online presence.<br>• PRM 401 is offered Spring semester only.<br>• Secure experience to continue your 100 career field exploration hours. |
| PRM 402: Assessment and Evaluation of Community Services | 3 | C | |
| PRM 401: Managing Leisure Enterprises | 3 | C | |
| *Complete 2 courses:*<br>Emphasis Area | 6 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 403: Leadership and Professional Development | 3 | C | • Emphasis Area Requirement: courses may be chosen from one or more Emphasis Areas.<br>• Use Handshake to research employment/internship opportunities.<br>• Secure experience to complete your 100 career field exploration hours. |
| PRM 315: Creating Community Through Park and Recreation Systems OR RTH 364: Foundations of Recreation Therapy (SB) OR PRM 380: Wilderness and Parks in America (SB & H) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Emphasis Area | 6 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 463: Senior Internship | 12 | C | |

| | | |
|---|---|---|
| Term hours subtotal: | 12 | • Successful completion of PRM 463 will satisfy the college Solution-Based Learning (SBL) Requirement. |

- **Emphasis Areas:** In total, four courses must be taken within the Emphasis Areas. One (or more) Emphasis Area sub-groups may be completed by choosing coursework listed within each area. Courses from the Emphasis Areas will be used to complete the Emphasis Area and Upper Division Emphasis Area requirements.
- **Interdisciplinary Requirement:** Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.
- **Solution-Based Learning (SBL) College Requirement:** Students must complete one SBL course by degree completion. Successful completion of PRM 203, CRD 301, PRM 402, or PRM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 | Interdisciplinary Requirement - Area 2 | Interdisciplinary Requirement - Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | PAF 112: Identity, Service and American Democracy (SB & C) | SWU 171: Introduction to Social Work (SB & H) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | PAF 200: Public Service and Policy in the 21st Century | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| CRJ 203: Courts and Sentencing | PAF 201: Economics and Public Policy (SB) | SWU 181: Economics: A Social Issues Perspective |
| CRJ 204: Juvenile Justice | PAF 240: Urban Policy (C) | SWU 182: Social Services Perspective of Government (SB) |
| CRJ 230: Introduction to Policing | PAF 311: Leadership and Change (SB) | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| CRJ 240: Introduction to Corrections | PAF 410: Building Leadership Skills (SB) | SWU 250: Stress Management Tools I (SB) |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | | SWU 349: Stress Management Tools II (SB) |
| CRJ 270: Community Justice (SB) | | SWU 456: Immigrants and Refugees (C) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | | SWU 458: Behavioral Health Services |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | | SWU 459: Spirituality and the Helping Professions |
| CRJ 309: Criminology (SB) | | SWU 460: Legal Issues in Social Work |
| CRJ 350: Law and Social Control (SB) | | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 | Community Recreation Emphasis | Inclusive and Adaptive Sports Emphasis |
|---|---|---|
| CPP Elective | PRM 315: Creating Community Through Park and Recreation Systems | PRM 335: Sports and Recreation for Youth Development |
| | PRM 335: Sports and Recreation for Youth Development | PRM 453: Inclusive Community Sport |
| | | RTH 364: Foundations of Recreation Therapy (SB) |

| | | |
|---|---|---|
| | PRM 475: Entrepreneurial Recreation and Tourism | RTH 455: Recreational Therapy and Play with Children, Youth and Families |
| | RTH 364: Foundations of Recreation Therapy (SB) | |
| | RTH 455: Recreational Therapy and Play with Children, Youth and Families | |

| Park Ranger/Natural Resource Management Emphasis | Special Event Management Emphasis | Sports Tourism Emphasis |
|---|---|---|
| ABS 384: Natural Resources Measurements | PRM 145: Special Events Management | PRM 145: Special Events Management |
| ABS 430: Watershed Management | PRM 485: Sports Events | PRM 483: Sports Tourism |
| ABS 479: Ecosystem Management and Planning (L) | PRM 487: Advanced Special Events Management | PRM 485: Sports Events |
| ABS 485: GIS in Natural Resources | TDM 345: Meeting and Convention Planning | TDM 205: Introduction to Travel and Tourism (G) |
| ASM 104: Bones, Stones, and Human Evolution (SB or SG) | | |
| BIO 100: The Living World (SQ) | | |
| BIO 130: Introduction to Environmental Science (SQ) | | |
| BIO 324: Environmental Ethics (HU) | | |
| BIO 412: Conservation in Practice | | |
| BIO 434: People and Nature: Ecosystem Services | | |
| ERM 426: Environmental Issues | | |
| ERM 428: International Environmental Management (G) | | |
| GIS 205: Geographic Information Science I (CS) | | |
| GLG 101: Introduction to Geology I (Physical) (SQ) | | |
| GLG 108: Water Planet (SQ) | | |
| GPH 111: Introduction to Physical Geography (SQ) | | |
| PHI 310: Environmental Ethics (HU) | | |
| PRM 340: Outdoor Survival | | |
| PRM 370: Public Lands Management | | |
| PRM 470: Environmental Communication | | |
| SCN 300: Foundations of Environmental Education | | |
| SCN 301: Ecology and Natural History of the Sonoran Desert (SG) | | |
| SOS 412: Conservation in Practice | | |

| | |
|---|---|
| TDM 448: Heritage and Cultural Tourism | |
| TDM 480: Sustainable Tourism | |
| Youth Sports Emphasis | Other Emphasis |
| PPE 215: Teaching Team Sports | CRD Elective |
| PPE 335: Movement and Physiology Principles of Children and Youth in Physical Activity Environments | NLM Elective |
| PPE 494: Positive Sport Coaching | PAF 410: Building Leadership Skills (SB) |
| PRM 335: Sports and Recreation for Youth Development | PRM Elective |
| PRM 483: Sports Tourism | PUP 301: Introduction to Urban Planning (L) |
| PRM 485: Sports Events | TDM Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy, BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries | 3 | | |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries | 3 | | |
| PAF 302: Public Service Research Methods | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries | 3 | | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | • Successful completion of the college's Solution-Based Learning (SBL) requirement is expected of each student by degree completion. |
| Upper Division Public Leadership & Management Elective | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |

Term hours subtotal: 12

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement-Area 2 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CRD 471: Interprofessional Education and Community Health |
| CRD 472: Interprofessional Education and Complex Health |
| CRD 473: Interprofessional Education and Comprehensive Systems Health |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| NLM 160: Voluntary Action and Community Leadership (SB) |
| NLM 220: Introduction to Nonprofit Organizations |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement-Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
| --- |
| CPP Elective |

| Upper Division Public Leadership and Management Elective |
| --- |
| COM Upper Division Elective |
| HST Upper Division Elective |
| MGT Upper Division Elective |
| NLM Upper Division Elective |
| POS Upper Division Elective |
| PSY Upper Division Elective |

| Solution-Based Learning (SBL) Requirement |
| --- |
| CPP 350: Community Works |
| CPP 353: Community Impact Lab |
| CRD 301: Sustainable Communities |
| CRD 435: Service Learning for Community Development |
| CRD 471: Interprofessional Education and Community Health |

CRD 472: Interprofessional Education and Complex Health

CRD 473: Interprofessional Education and Comprehensive Systems Health

CRJ 317: Inside-Out Prison Exchange Program

CRJ 394: Comparative Organized Crime

CRJ 394: Taking it to the Streets: Service-Based Learning

CRJ 394: The British Roots of U.S. Criminal Justice

CRJ 455: Police and International Terrorism

CRJ 456: Etiology of Martyrdom

NLM 160: Voluntary Action and Community Leadership (SB)

NLM 435: Service Learning for Community Development

PAF 484: Internship

PRM 145: Special Events Management

PRM 203: Program Planning

PRM 315: Creating Community Through Park and Recreation Systems

PRM 370: Public Lands Management

SWU 291: Social Service Delivery Systems

SWU 394: Ending Homelessness

TDM 345: Meeting and Convention Planning

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy, BS

School/College: Watts College of Public Service & Community Solut
Location: Online, ASU Local
PPPAFBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Interdisciplinary Requirement | 3 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups<br>• View ASU Online first-year student registration information here. |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C |
| Interdisciplinary Requirement | 3 | |
| Term hours subtotal: | 6 | |

- For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups

| Term 3 - B 31 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | • Develop your skills. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Explore an internship. |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 301: Applied Statistics (CS) | 3 | C | |
| PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 302: Public Service Research Methods | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 6 |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries | 3 | C | • Develop your professional online presence. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Solution-Based Learning (SBL) Requirement | 3 | | • The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 340: Contemporary Policy Challenges | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • Complete an in person or virtual practice interview. |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 460: Public Service Ethics | 3 | C | |
| PAF 300: Public Management and Administration OR PAF 410: Building Leadership Skills (SB) OR PAF 420: Managing Across Boundaries | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Public Leadership & Management Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 400: Senior Capstone Project | 3 | C | |
| Term hours subtotal: | 3 | | |

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Choose one class from the SBL course list.
- Students must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement-Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
| --- |
| CPP Elective |

| Upper Division Public Leadership & Management Elective |
| --- |
| COM Upper Division Elective |
| HST Upper Division Elective |
| MGT Upper Division Elective |
| NLM Upper Division Elective |
| POS Upper Division Elective |
| PSY Upper Division Elective |

| Solution-Based Learning (SBL) Requirement |
| --- |
| CPP 350: Community Works |
| CPP 353: Community Impact Lab |
| CRD 435: Service Learning for Community Development |
| CRJ 394: Comparative Organized Crime |
| CRJ 394: Taking it to the Streets: Service-Based Learning |
| CRJ 394: The British Roots of U.S. Criminal Justice |
| CRJ 455: Police and International Terrorism |
| CRJ 456: Etiology of Martyrdom |

PAF 484: Internship

PRM 145: Special Events Management

PRM 203: Program Planning

SWU 291: Social Service Delivery Systems

SWU 394: Ending Homelessness

TDM 345: Meeting and Convention Planning

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (American Indian Studies), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFAISBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Elective ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| AIS 180: Introduction to American Indian Studies (C) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship |
| AIS 280: American Indian Sovereignty and the Courts (H & C) | 3 | C | |
| AIS 285: Federal Indian Policy (H & C) | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| AIS Upper Division Elective ( AIS 470 recommended) | 3 | C | |
| PAF 302: Public Service Research Methods | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 | Interdisciplinary Requirement - Area 2 | Interdisciplinary Requirement - Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | CRD 302: Inclusive Community Development (SB & C) | SWU 171: Introduction to Social Work (SB & H) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | CRD 471: Interprofessional Education and Community Health | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| CRJ 203: Courts and Sentencing | CRD 472: Interprofessional Education and Complex Health | SWU 181: Economics: A Social Issues Perspective |
| CRJ 204: Juvenile Justice | CRD 473: Interprofessional Education and Comprehensive Systems Health | SWU 182: Social Services Perspective of Government (SB) |
| CRJ 230: Introduction to Policing | CSM 201: Introduction to Parks, Recreation and Sport Management | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| CRJ 240: Introduction to Corrections | NLM 160: Voluntary Action and Community Leadership (SB) | SWU 250: Stress Management Tools I (SB) |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | NLM 220: Introduction to Nonprofit Organizations | SWU 349: Stress Management Tools II (SB) |
| CRJ 270: Community Justice (SB) | PRM 120: Leisure and the Quality of Life (SB) | SWU 456: Immigrants and Refugees (C) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | PRM 380: Wilderness and Parks in America (SB & H) | SWU 458: Behavioral Health Services |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | RTH 364: Foundations of Recreation Therapy (SB) | SWU 459: Spirituality and the Helping Professions |
| CRJ 309: Criminology (SB) | TDM 205: Introduction to Travel and Tourism (G) | SWU 460: Legal Issues in Social Work |
| CRJ 350: Law and Social Control (SB) | TDM 458: International Tourism (G) | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement - Area 4 |
|---|
| CPP Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Business), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFBUBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Must have minimum 2.00 ASU Cumulative GPA for MGT 380 in Term 5<br>• Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Must have minimum 2.00 ASU Cumulative GPA for ACC 382 and FIN 380 in Term 6<br>• Develop your professional online presence |
| MGT 380: Management and Strategy for Nonmajors | 3 | C | |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Must have minimum 2.00 Cumulative GPA for MKT 390 or MKT 395 in Term 7<br>• Complete an in person or virtual practice interview |
| ACC 382: Accounting and Financial Analysis | 3 | C | |
| FIN 380: Personal Financial Management | 3 | C | |
| PAF 302: Public Service Research Methods | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| MKT 390: Essentials of Marketing OR MKT 395: Essentials of Advertising and Marketing Communication | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement - Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | CRD 302: Inclusive Community Development (SB & C) | SWU 171: Introduction to Social Work (SB & H) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | CRD 471: Interprofessional Education and Community Health | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| CRJ 203: Courts and Sentencing | CRD 472: Interprofessional Education and Complex Health | SWU 181: Economics: A Social Issues Perspective |
| CRJ 204: Juvenile Justice | CRD 473: Interprofessional Education and Comprehensive Systems Health | SWU 182: Social Services Perspective of Government (SB) |
| CRJ 230: Introduction to Policing | CSM 201: Introduction to Parks, Recreation and Sport Management | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| CRJ 240: Introduction to Corrections | NLM 160: Voluntary Action and Community Leadership (SB) | SWU 250: Stress Management Tools I (SB) |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | NLM 220: Introduction to Nonprofit Organizations | SWU 349: Stress Management Tools II (SB) |
| CRJ 270: Community Justice (SB) | PRM 120: Leisure and the Quality of Life (SB) | SWU 456: Immigrants and Refugees (C) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | PRM 380: Wilderness and Parks in America (SB & H) | SWU 458: Behavioral Health Services |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | RTH 364: Foundations of Recreation Therapy (SB) | SWU 459: Spirituality and the Helping Professions |
| CRJ 309: Criminology (SB) | TDM 205: Introduction to Travel and Tourism (G) | SWU 460: Legal Issues in Social Work |
| CRJ 350: Law and Social Control (SB) | TDM 458: International Tourism (G) | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
|---|
| CPP Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120 **General University Requirements Legend**

**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Criminology), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFCBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • CRJ 100 satisfies part of the college's interdisciplinary requirement.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| CRJ 100: Introduction to Criminal Justice (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.<br>• Develop your skills |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | 3 | C | |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Students can choose one course from any of the three Interdisciplinary areas/track groups.<br>• Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| PAF 302: Public Service Research Methods | 3 | C | |
| CRJ Upper Division Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| CRJ Upper Division Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| *Complete 3 courses:*<br>Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:

- CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
- Students can choose one course from any of the three Interdisciplinary areas/track groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 1 | Interdisciplinary Requirement-Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRD 302: Inclusive Community Development (SB & C) | SWU 171: Introduction to Social Work (SB & H) | CPP Elective |
| CRD 471: Interprofessional Education and Community Health | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) | |
| CRD 472: Interprofessional Education and Complex Health | SWU 181: Economics: A Social Issues Perspective | |
| CRD 473: Interprofessional Education and Comprehensive Systems Health | SWU 182: Social Services Perspective of Government (SB) | |
| CSM 201: Introduction to Parks, Recreation and Sport Management | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) | |
| NLM 160: Voluntary Action and Community Leadership (SB) | SWU 250: Stress Management Tools I (SB) | |
| NLM 220: Introduction to Nonprofit Organizations | SWU 349: Stress Management Tools II (SB) | |
| PRM 120: Leisure and the Quality of Life (SB) | SWU 456: Immigrants and Refugees (C) | |
| PRM 380: Wilderness and Parks in America (SB & H) | SWU 458: Behavioral Health Services | |
| RTH 364: Foundations of Recreation Therapy (SB) | SWU 459: Spirituality and the Helping Professions | |
| TDM 205: Introduction to Travel and Tourism (G) | SWU 460: Legal Issues in Social Work | |
| TDM 458: International Tourism (G) | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Emergency Management and Homeland Security), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFEHBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| PAF 261: Hazards and Risk Management | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| PAF 360: Emergency Management I | 3 | C | |
| PAF 461: Homeland Security | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 302: Public Service Research Methods | 3 | C | • For concentration courses, students must select three courses from the concentration area.<br>• Complete an in person or virtual practice interview |
| PAF 340: Contemporary Policy Challenges | 3 | C | |
| PAF 363: Technology in Emergency Management | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Emergency Management & Homeland Security Concentration Course | 6 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| Upper Division Emergency Management & Homeland Security Concentration Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| Upper Division Elective | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- For Emergency Management & Homeland Security Concentration courses, students must select three courses from the concentration area.
- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.
- For the Solution Based Learning (SBL) College Requirement:
  - PAF 484 satisfies the SBL requirement.
  - Student must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CRD 471: Interprofessional Education and Community Health |
| CRD 472: Interprofessional Education and Complex Health |
| CRD 473: Interprofessional Education and Comprehensive Systems Health |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| NLM 160: Voluntary Action and Community Leadership (SB) |
| NLM 220: Introduction to Nonprofit Organizations |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement-Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
| --- |
| CPP Elective |

| Emergency Management & Homeland Security Concentration |
| --- |
| CRJ 403: Victims and the Criminal Justice System |
| CRJ 409: Police Accountability |
| CRJ 412: International Terrorism |
| CRJ 417: Cyber Terrorism |
| CRJ 419: Domestic Terrorism |
| CRJ 422: Violence in America |
| PAF 424: Emergency Management II |

PAF 425: National Incident Management System (NIMS)

PAF 468: Planning and Exercises

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Emergency Management and Homeland Security), BS

School/College: Watts College of Public Service & Community Solut
Location: Online, ASU Local
PPPAFEHBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Interdisciplinary Requirement | 3 | | • View ASU Online first-year student registration information here.<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 19 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 19 - 25 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 3 - A 25 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four |
| Interdisciplinary Requirement | 3 | | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |

| Term 3 - B 31 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | • Develop your skills. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 38 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | |
| COM 225: Public Speaking (L) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 44 - 51 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 261: Hazards and Risk Management | 3 | C | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Explore an internship. |
| PAF 360: Emergency Management I | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 363: Technology in Emergency Management | 3 | C | |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 302: Public Service Research Methods | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 461: Homeland Security | 3 | C | |

| | | | |
|---|---|---|---|
| Elective | 3 | | • Develop your professional online presence. |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Emergency Management & Homeland Security Concentration Course | 3 | C | • The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits. |
| Solution-Based Learning (SBL) Requirement | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 340: Contemporary Policy Challenges | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • Complete an in person or virtual practice interview. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 460: Public Service Ethics | 3 | C | |
| Upper Division Emergency Management & Homeland Security Concentration Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 117 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Emergency Management & Homeland Security Concentration Course | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - B 117 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PAF 400: Senior Capstone Project | 3 | C | |
| Term hours subtotal: | 3 | | |

- 
  - For Emergency Management & Homeland Security Concentration courses, students must select three courses from the concentration area.
  - For the Interdisciplinary Requirement:

- Students can choose courses from any of the four Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

- For the Solution Based Learning (SBL) College Requirement:
  - Choose one class from the SBL course list.
  - Student must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement-Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
| --- |
| CPP Elective |

| Solution-Based Learning (SBL) Requirement |
| --- |
| CPP 350: Community Works |
| CPP 353: Community Impact Lab |
| CRD 435: Service Learning for Community Development |
| CRJ 394: Comparative Organized Crime |
| CRJ 394: Taking it to the Streets: Service-Based Learning |
| CRJ 394: The British Roots of U.S. Criminal Justice |
| CRJ 455: Police and International Terrorism |
| CRJ 456: Etiology of Martyrdom |
| PAF 484: Internship |
| PRM 145: Special Events Management |
| PRM 203: Program Planning |
| SWU 291: Social Service Delivery Systems |

| Emergency Management & Homeland Security Concentration |
| --- |
| CRJ 403: Victims and the Criminal Justice System |
| CRJ 409: Police Accountability |
| CRJ 412: International Terrorism |
| CRJ 417: Cyber Terrorism |
| CRJ 419: Domestic Terrorism |
| CRJ 422: Violence in America |
| PAF 424: Emergency Management II |
| PAF 425: National Incident Management System (NIMS) |
| PAF 468: Planning and Exercises |

SWU 394: Ending Homelessness

TDM 345: Meeting and Convention Planning

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Health Policy), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFHPBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Elective ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| HSC 210: Cultural Aspects of Health (C) | 3 | C | |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| PAF 302: Public Service Research Methods | 3 | C | |
| *Complete 2 courses:* Upper Division Health Policy Concentration Elective | 6 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| Upper Division Health Policy Concentration Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.

- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CRD 471: Interprofessional Education and Community Health |
| CRD 472: Interprofessional Education and Complex Health |
| CRD 473: Interprofessional Education and Comprehensive Systems Health |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| NLM 160: Voluntary Action and Community Leadership (SB) |
| NLM 220: Introduction to Nonprofit Organizations |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement-Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
| --- |
| CPP Elective |

| Upper Division Health Policy Concentration Electives |
| --- |
| ASB 301: Global History of Health (SB & G & H) |
| HSC 300: Complementary Health Care |
| HSC 310: Health Communication |
| HSC 410: Supporting the Health of Older Adults |
| HSC 412: Health Issues in Later Life |
| HSC 432: Legal Issues in Health Care |
| SOC 424: Women and Health (SB) |
| SOC 427: Sociology of Health and Illness (SB) |

SOS 414: Urban and Environmental Health (SB)

TCL 327: Health and Migration (SB)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Law and Policy), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFLPBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • CRJ 100 satisfies part of the college's interdisciplinary requirement.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| CRJ 100: Introduction to Criminal Justice (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.<br>• Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | 3 | C | |
| LAW 210: Introduction to American Legal System and Business Law | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| CRJ 350: Law and Social Control (SB) OR CRJ 410: Criminal Procedure I: The Law of Investigations OR CRJ 470: Discretionary Justice (L or SB) OR LAW Upper Division Elective | 3 | C | |
| PAF 302: Public Service Research Methods | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| *Complete 2 courses:*<br>CRJ 350: Law and Social Control (SB) OR CRJ 410: Criminal Procedure I: The Law of Investigations OR CRJ 470: Discretionary Justice (L or SB) OR LAW Upper Division Elective | 6 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Elective | 3 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
    - CRJ 100 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
    - Students can choose one course from any of the three Interdisciplinary areas/track groups.

  For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement - Area 2 | Interdisciplinary Requirement-Area 3 | Interdisciplinary Requirement-Area 4 |
|---|---|---|
| CRD 302: Inclusive Community Development (SB & C) | SWU 171: Introduction to Social Work (SB & H) | CPP Elective |
| CRD 471: Interprofessional Education and Community Health | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) | |
| CRD 472: Interprofessional Education and Complex Health | SWU 181: Economics: A Social Issues Perspective | |
| CRD 473: Interprofessional Education and Comprehensive Systems Health | SWU 182: Social Services Perspective of Government (SB) | |
| CSM 201: Introduction to Parks, Recreation and Sport Management | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) | |
| NLM 160: Voluntary Action and Community Leadership (SB) | SWU 250: Stress Management Tools I (SB) | |
| NLM 220: Introduction to Nonprofit Organizations | SWU 349: Stress Management Tools II (SB) | |
| PRM 120: Leisure and the Quality of Life (SB) | SWU 456: Immigrants and Refugees (C) | |
| PRM 380: Wilderness and Parks in America (SB & H) | SWU 458: Behavioral Health Services | |
| RTH 364: Foundations of Recreation Therapy (SB) | SWU 459: Spirituality and the Helping Professions | |
| TDM 205: Introduction to Travel and Tourism (G) | SWU 460: Legal Issues in Social Work | |
| TDM 458: International Tourism (G) | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) | |

**Notes:**

- 
    - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Nonprofit Leadership and Management), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPANLMBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • NLM 160 satisfies part of the college's interdisciplinary requirement.<br>• Successful completion of NLM 160 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| NLM 160: Voluntary Action and Community Leadership (SB) | 3 | C | |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: NLM 160 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.<br>• Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| CRD 210: Community Services and Professions | 3 | C | |
| NLM 220: Introduction to Nonprofit Organizations | 3 | C | |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| NLM 300: Fund Raising and Resource Development | 3 | C | |
| PAF 302: Public Service Research Methods | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| NLM 430: Managing Nonprofit Organizations (L) OR NLM 310: Volunteer Management OR NLM 410: Social Entrepreneurship | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  - NLM 160 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
  - Students can choose one course from any of the three Interdisciplinary areas/track groups.

  For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of NLM 160 or PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement-Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | SWU 171: Introduction to Social Work (SB & H) | CPP Elective |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) | |
| CRJ 203: Courts and Sentencing | SWU 181: Economics: A Social Issues Perspective | |
| CRJ 204: Juvenile Justice | SWU 182: Social Services Perspective of Government (SB) | |
| CRJ 230: Introduction to Policing | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) | |
| CRJ 240: Introduction to Corrections | SWU 250: Stress Management Tools I (SB) | |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | SWU 349: Stress Management Tools II (SB) | |
| CRJ 270: Community Justice (SB) | SWU 456: Immigrants and Refugees (C) | |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | SWU 458: Behavioral Health Services | |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | SWU 459: Spirituality and the Helping Professions | |
| CRJ 309: Criminology (SB) | SWU 460: Legal Issues in Social Work | |
| CRJ 350: Law and Social Control (SB) | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) | |

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Parks and Recreation Management), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAPRMBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • PRM 120 satisfies part of the college's interdisciplinary requirement.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PRM 120: Leisure and the Quality of Life (SB) | 3 | C | |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: PRM 120 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.<br>• Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your professional online presence |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| PRM 203: Program Planning | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| PAF 302: Public Service Research Methods | 3 | C | |
| PRM 145: Special Events Management OR PRM 315: Creating Community Through Park and Recreation Systems OR PRM 370: Public Lands Management OR PRM 380: Wilderness and Parks in America (SB & H) | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| PRM 145: Special Events Management OR PRM 315: Creating Community Through Park and Recreation Systems OR PRM 370: Public Lands Management OR PRM 380: Wilderness and Parks in America (SB & H) | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
    - PRM 120 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
    - Students can choose one course from any of the three Interdisciplinary areas/track groups.

  For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of PRM 203 or PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement-Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | SWU 171: Introduction to Social Work (SB & H) | CPP Elective |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) | |
| CRJ 203: Courts and Sentencing | SWU 181: Economics: A Social Issues Perspective | |
| CRJ 204: Juvenile Justice | SWU 182: Social Services Perspective of Government (SB) | |
| CRJ 230: Introduction to Policing | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) | |
| CRJ 240: Introduction to Corrections | SWU 250: Stress Management Tools I (SB) | |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | SWU 349: Stress Management Tools II (SB) | |
| CRJ 270: Community Justice (SB) | SWU 456: Immigrants and Refugees (C) | |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | SWU 458: Behavioral Health Services | |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | SWU 459: Spirituality and the Helping Professions | |
| CRJ 309: Criminology (SB) | SWU 460: Legal Issues in Social Work | |
| CRJ 350: Law and Social Control (SB) | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) | |

**Notes:**

- 
    - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Science and Technology Policy), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFSTBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| Upper Division Science & Technology Concentration Course | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| PAF 302: Public Service Research Methods | 3 | C | |
| *Complete 2 courses:* Upper Division Science & Technology Concentration Course | 6 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| Upper Division Science & Technology Concentration Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.

- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| CRD 302: Inclusive Community Development (SB & C) |
| CRD 471: Interprofessional Education and Community Health |
| CRD 472: Interprofessional Education and Complex Health |
| CRD 473: Interprofessional Education and Comprehensive Systems Health |
| CSM 201: Introduction to Parks, Recreation and Sport Management |
| NLM 160: Voluntary Action and Community Leadership (SB) |
| NLM 220: Introduction to Nonprofit Organizations |
| PRM 120: Leisure and the Quality of Life (SB) |
| PRM 380: Wilderness and Parks in America (SB & H) |
| RTH 364: Foundations of Recreation Therapy (SB) |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

| Interdisciplinary Requirement-Area 3 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
| --- |
| CPP Elective |

| Upper Division Science & Technology Concentration Courses |
| --- |
| BIO 312: Bioethics (HU) |
| FIS 336: Science and Technology Policy |
| GPH 314: Global Change (HU & G) |
| HON 494: Law, Science, and Technology |
| JUS 334: Science, Technology and Inequality (C) |
| PAF 350: Introduction to Science & Technology Policy |
| POS 300: Contemporary Global Controversies (SB & G) |
| POS 364: National Security, Intelligence, and Terrorism (SB) |

| |
|---|
| POS 394: Global Environmental Politics |
| STS 325: Science, Technology, and Public Policy (SB) |
| WST 340: Gender, Science, and Technology (SB) |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Social Services Delivery), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFSSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • SWU 171 satisfies part of the college's interdisciplinary requirement.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| PHI 101: Introduction to Philosophy (HU) | 3 | C | |
| SWU 171: Introduction to Social Work (SB & H) | 3 | C | |
| Elective ( PAF 112 recommended) | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: SWU 171 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups.<br>• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| SWU 291: Social Service Delivery Systems | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

- Develop your skills

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Students can choose one course from any of the three Interdisciplinary areas/track groups.<br>• Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| SWU 295: Foundations of Social Work Practice (SB & C) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| SWU 306: Ethics in Social Services (L) | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| PAF 302: Public Service Research Methods | 3 | C | |
| SWU 311: Integrative Social Work Practice | 3 | C | |
| SWU 312: Integrative Social Work Practice Skills | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| SWU 303: Micro Human Behavior and the Social Environment (L or SB) | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
    - SWU 171 satisfies part of the college's interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
    - Students can choose one course from any of the three Interdisciplinary areas/track groups.

  For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of SWU 291 or PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement - Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | CRD 302: Inclusive Community Development (SB & C) | CPP Elective |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | CRD 471: Interprofessional Education and Community Health | |
| CRJ 203: Courts and Sentencing | CRD 472: Interprofessional Education and Complex Health | |
| CRJ 204: Juvenile Justice | CRD 473: Interprofessional Education and Comprehensive Systems Health | |
| CRJ 230: Introduction to Policing | CSM 201: Introduction to Parks, Recreation and Sport Management | |
| CRJ 240: Introduction to Corrections | NLM 160: Voluntary Action and Community Leadership (SB) | |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | NLM 220: Introduction to Nonprofit Organizations | |
| CRJ 270: Community Justice (SB) | PRM 120: Leisure and the Quality of Life (SB) | |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | PRM 380: Wilderness and Parks in America (SB & H) | |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | RTH 364: Foundations of Recreation Therapy (SB) | |
| CRJ 309: Criminology (SB) | TDM 205: Introduction to Travel and Tourism (G) | |
| CRJ 350: Law and Social Control (SB) | TDM 458: International Tourism (G) | |

**Notes:**

- 
    - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
    - Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Public Service and Public Policy (Sustainability), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPPAFSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOC 101: Introductory Sociology (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| SOS 110: Sustainable World (SB) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Cultural Diversity in the U.S. (C) ( PAF 112 recommended) | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 200: Public Service and Policy in the 21st Century | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Develop your skills |
| ENG 216: Persuasive Writing on Public Issues (L) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 201: Economics and Public Policy (SB) | 3 | C | • Explore an internship |
| COM 225: Public Speaking (L) | 3 | C | |
| SOS 111: Sustainable Cities ((HU or SB) & G) | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 311: Leadership and Change (SB) | 3 | C | • Develop your professional online presence |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| POS OR CRJ OR NLM OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 340: Contemporary Policy Challenges | 3 | C | • Complete an in person or virtual practice interview |
| PAF 302: Public Service Research Methods | 3 | C | |
| *Complete 2 courses:* Upper Division Sustainability Concentration Elective | 6 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 460: Public Service Ethics | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| Upper Division Sustainability Concentration Elective | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |
| *Complete 3 courses:* Upper Division Elective | 9 | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.

- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement-Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | SWU 171: Introduction to Social Work (SB & H) | CRD 302: Inclusive Community Development (SB & C) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) | CRD 471: Interprofessional Education and Community Health |
| CRJ 203: Courts and Sentencing | SWU 181: Economics: A Social Issues Perspective | CRD 472: Interprofessional Education and Complex Health |
| CRJ 204: Juvenile Justice | SWU 182: Social Services Perspective of Government (SB) | CRD 473: Interprofessional Education and Comprehensive Systems Health |
| CRJ 230: Introduction to Policing | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) | CSM 201: Introduction to Parks, Recreation and Sport Management |
| CRJ 240: Introduction to Corrections | SWU 250: Stress Management Tools I (SB) | NLM 160: Voluntary Action and Community Leadership (SB) |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | SWU 349: Stress Management Tools II (SB) | NLM 220: Introduction to Nonprofit Organizations |
| CRJ 270: Community Justice (SB) | SWU 456: Immigrants and Refugees (C) | PRM 120: Leisure and the Quality of Life (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | SWU 458: Behavioral Health Services | PRM 380: Wilderness and Parks in America (SB & H) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | SWU 459: Spirituality and the Helping Professions | RTH 364: Foundations of Recreation Therapy (SB) |
| CRJ 309: Criminology (SB) | SWU 460: Legal Issues in Social Work | TDM 205: Introduction to Travel and Tourism (G) |
| CRJ 350: Law and Social Control (SB) | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) | TDM 458: International Tourism (G) |

| Interdisciplinary Requirement-Area 4 | Sustainability Concentration Electives |
|---|---|
| CPP Elective | SOS 320: Society and Sustainability (L or SB) |
| | SOS 321: Policy and Governance in Sustainable Systems |
| | SOS 322: International Development and Sustainability |
| | SOS 323: Sustainable Urban Dynamics |
| | SOS 324: Sustainable Energy Technology and Systems |
| | SOS 325: The Economics of Sustainability |
| | SOS 326: Sustainable Ecosystems |
| | SOS 327: Sustainable Food and Farms |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Recreation Therapy, BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPRECTBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: SWU 183 (term 3) satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement, Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.<br>• Secure experience to start your 100 career field exploration hours |
| PRM 120: Leisure and the Quality of Life (SB) | 3 | C | |
| ASU 101-CPP: The ASU Experience | 1 | | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| PSY 101: Introduction to Psychology (SB) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Milestone: Meet with the Clinical Assistant Professor for Internships to discuss requirement of 100 career field exploration hours. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 210: Community Services and Professions | 3 | C | • Secure experience to start your 100 career field exploration hours<br>• Activate your Handshake account and build out your profile. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| BIO 160: Introduction to Anatomy and Physiology (SQ) | 4 | | |
| Historical Awareness (H) | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 203: Program Planning | 3 | | • Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Secure experience to continue your 100 career field exploration hours |
| BIO 201: Human Anatomy and Physiology I (SG) | 4 | C | |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Literacy and Critical Inquiry (L) ( COM 225 OR ENG 301 recommended) | 3 | C | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 48 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CDE 232: Human Development (SB) | 3 | C | • Securevolunteer experienceto start your 100 career field exploration hours<br>• Explore Child Life<br>• BIO 202 is recommended for students seeking graduate education in health professions |
| RTH 284: Recreational Therapy Lab | 2-1 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Elective ( BIO 202 recommended) | 4 | | |
| Elective | 2 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 14-13 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 301: Sustainable Communities | 3 | C | • Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• PRM 304 - offered Fall semester only<br>• Develop your skills<br>• Secure experience to continue your 100 career field exploration hours |
| PRM 304: Recreation and Sport Planning and Facilities (L) | 3 | C | |
| RTH 384: Recreational Therapy Practicum | 3 | C | |
| EXW 330: Kinesiological Foundations of Movement | 4 | | |
| RTH 364: Foundations of Recreation Therapy (SB) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 402: Assessment and Evaluation of Community Services | 3 | C | • Successful completion of PRM 402 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your professional online presence<br>• PRM 400, PRM 406 and RTH 450 - offered Spring semester only<br>• Secure experience to continue your 100 career field exploration hours |
| RTH 406: Program Design and Administration in Recreational Therapy | 3 | C | |
| CRD 302: Inclusive Community Development (SB & C) | 3 | C | |
| RTH 400: Intervention Techniques in Recreational Therapy | 3 | C | |
| RTH 450: Therapeutic Recreation and Community Health | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| RTH 460: Assessment and Documentation in Recreational Therapy | 3 | C | • Use Handshake to research employment/internship opportunities<br>• RTH 460 - offered Fall semester only<br>• Explore Handshake Resources to complete your 100 career field exploration hours |
| PSY 366: Psychological Disorders (SB) | 3 | C | |
| RTH 413: Leadership and Professional Development in Recreational Therapy | 3 | C | |
| *Complete 2 courses:*<br>Therapeutic Recreation Elective | 6 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| RTH 463: Senior Internship | 12 | C | • Successful completion of RTH 463 will satisfy the college Solution-Based Learning (SBL) Requirement |
| Term hours subtotal: | 12 | | |

- For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of PRM 203, CRD 301, PRM 402, or RTH 463 will satisfy the SBL Requirement.

  For the Interdisciplinary Requirement:
    - SWU 183 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
    - Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement-Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | PAF 112: Identity, Service and American Democracy (SB & C) | CPP Elective |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | PAF 200: Public Service and Policy in the 21st Century | |
| CRJ 203: Courts and Sentencing | PAF 201: Economics and Public Policy (SB) | |
| CRJ 204: Juvenile Justice | PAF 240: Urban Policy (C) | |
| CRJ 230: Introduction to Policing | PAF 311: Leadership and Change (SB) | |
| CRJ 240: Introduction to Corrections | PAF 410: Building Leadership Skills (SB) | |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | | |
| CRJ 270: Community Justice (SB) | | |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | | |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | | |
| CRJ 309: Criminology (SB) | | |
| CRJ 350: Law and Social Control (SB) | | |
| Therapeutic Recreation Elective (Choose two courses) | | |
| CRD 471: Interprofessional Education and Community Health | | |
| CRD 472: Interprofessional Education and Complex Health | | |
| CRD 473: Interprofessional Education and Comprehensive Systems Health | | |
| DST 101: Introduction to Disability Studies (C) | | |
| NLM 300: Fund Raising and Resource Development | | |
| NLM 310: Volunteer Management | | |

NLM 451: Grant Writing

PRM 145: Special Events Management

PRM 306: Advanced Programming and Facilitation

PRM 335: Sports and Recreation for Youth Development

PRM 350: Tourism, Recreation and Sports Marketing

PRM 380: Wilderness and Parks in America (SB & H)

PRM 453: Inclusive Community Sport

RTH 440: Advocacy in Therapeutic Recreation

RTH 455: Recreational Therapy and Play with Children, Youth and Families

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Social Work, BSW

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix, West, ASU Sync, ASU at Tucson
PPSWUSWU

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) | 3 | | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| SWU 171: Introduction to Social Work (SB & H) | 3 | C | |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PHI 101: Introduction to Philosophy (HU) OR PHI 105: Intro to Ethics (HU) OR SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) | 3 | | • Cultural Diversity Sequence - any course that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.<br>• ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.<br>• By the end of term four, students should have completed the following requirements:<br>1. ECN 211 or SWU 181<br>2. PHI 101 or PHI 105 or SWU 183<br>3. POS 110 or SWU 182<br>• Join a student club or professional organization. |
| ECN 211: Macroeconomic Principles (SB) OR SWU 181: Economics: A Social Issues Perspective | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Cultural Diversity Sequence OR Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4-3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17-16 | | |

| Term 3 33 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| POS 110: American Government and Politics (SB) OR SWU 182: Social Services Perspective of Government (SB) | 3 | | • Cultural Diversity Sequence - any course that carries the "C - Cultural Diversity in the |

| | | | |
|---|---|---|---|
| Cultural Diversity Sequence OR<br>Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4-3 | | United States" General Studies designation, will satisfy this requirement.<br>• By the end of term four, students should have completed the following requirements:<br>1. ECN 211 or SWU 181<br>2. PHI 101 or PHI 105 or SWU 183<br>3. POS 110 or SWU 182<br>• Develop your skills. |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3-4 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 47 - 62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 291: Social Service Delivery Systems | 3 | C | • Cultural Diversity Sequence - any course that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.<br>• Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement |
| SWU 295: Foundations of Social Work Practice (SB & C) | 3 | C | |
| Cultural Diversity Sequence OR<br>Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4-3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 2-3 | | |
| Complete ECN 211 OR SWU 181 course. | | | |
| Maintain 2.50 GPA in Major Courses. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 62 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 302: Human Biology for Social Workers | 3 | | • Students who have already completed a human biology course may take an upper division elective in place of SWU 302. See your advisor for permission.<br>• Cultural Diversity Sequence - any course that carries the "C - Cultural Diversity in the United States" General Studies designation, will satisfy this requirement.<br>• Develop your professional online presence. |
| SWU 303: Micro Human Behavior and the Social Environment (L or SB) | 3 | C | |
| SWU 340: Macro Human Behavior and the Social Environment (SB) | 3 | C | |
| SWU 374: Diversity and Oppression in a Social Work Context (C) | 3 | C | |
| Cultural Diversity Sequence OR<br>Second Language: Requirement satisfied through the following:<br>* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4-3 | | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Milestone: Apply for Level 1 fingerprint clearance card. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 16-15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 306: Ethics in Social Services (L) | 3 | C | • BSW Advancement includes:<br>Successful completion of SWU 171, SWU 291, SWU 295, SWU 303, SWU 306, SWU 311, SWU 312, SWU 340, SWU 374, and Documented completion of 40 hours human services experience, and |
| SWU 311: Integrative Social Work Practice | 3 | C | |
| SWU 312: Integrative Social Work Practice Skills | 3 | C | |
| SWU 321: Statistics for Social Workers (CS) | 3 | | |
| Interdisciplinary Requirement | 3 | | |

| | | |
|---|---|---|
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | |
| Milestone: Completion of all lower-division university general studies requirements. | | |
| Milestone: Submit materials for BSW advancement. | | |
| Maintain 3.00 GPA in Major Courses. | | |
| Minimum 2.00 GPA ASU Cumulative. | | |
| Term hours subtotal: | 15 | |

Level 1 Fingerprint Clearance Card, and Signed Standards of Professional and Ethical Behavior form.

- For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.
- Use Handshake to research employment opportunities.

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 320: Research Methods in Social Work | 3 | C | • Successful completion of SWU 412 will satisfy the college Solution-Based Learning (SBL) Requirement.<br>• Apply for full-time career opportunities.<br>• To maintain BSW Professional Program status, students must sustain an overall GPA of 2.00 and Social Work GPA of 3.00 with no grade lower than a C. |
| SWU 410: Social Work Practice II | 3 | C | |
| SWU 412: Field Instruction I | 3 | C | |
| SWU 413: Field Instruction Seminar | 3 | C | |
| SWU 432: Social Policy and Services | 3 | C | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SWU 411: Social Work Practice III | 3 | C | • Successful completion of SWU 414 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• To maintain BSW Professional Program status, students must sustain an overall GPA of 2.00 and Social Work GPA of 3.00 with no grade lower than a C.<br>• Students select one course from the BSW Area of Interest course list below. |
| SWU 414: Field Instruction II | 3 | C | |
| SWU 415: Integrative Field Seminar | 3 | C | |
| BSW Area of Interest | 3 | C | |
| Maintain 3.00 GPA in Major Courses. | | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291, SWU 412, or SWU 414 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement-Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | PAF 112: Identity, Service and American Democracy (SB & C) | CRD 302: Inclusive Community Development (SB & C) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | PAF 200: Public Service and Policy in the 21st Century | CRD 471: Interprofessional Education and Community Health |
| CRJ 203: Courts and Sentencing | PAF 201: Economics and Public Policy (SB) | |

| | | |
|---|---|---|
| CRJ 204: Juvenile Justice | PAF 240: Urban Policy (C) | CRD 472: Interprofessional Education and Complex Health |
| CRJ 230: Introduction to Policing | PAF 311: Leadership and Change (SB) | CRD 473: Interprofessional Education and Comprehensive Systems Health |
| CRJ 240: Introduction to Corrections | PAF 410: Building Leadership Skills (SB) | CSM 201: Introduction to Parks, Recreation and Sport Management |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | | NLM 160: Voluntary Action and Community Leadership (SB) |
| CRJ 270: Community Justice (SB) | | NLM 220: Introduction to Nonprofit Organizations |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | | PRM 120: Leisure and the Quality of Life (SB) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | | PRM 380: Wilderness and Parks in America (SB & H) |
| CRJ 309: Criminology (SB) | | RTH 364: Foundations of Recreation Therapy (SB) |
| CRJ 350: Law and Social Control (SB) | | TDM 205: Introduction to Travel and Tourism (G) |
| | | TDM 458: International Tourism (G) |

| | |
|---|---|
| Interdisciplinary Requirement-Area 4 | BSW Area of Interest |
| CPP Elective | SWU 416: Domestic Violence and National AmeriCorps Service |
| | SWU 417: Technology, Interpersonal Relationships and Abuse |
| | SWU 418: Global Violence Against Women |
| | SWU 442: Child Welfare Practice |
| | SWU 454: Overview of Addictions |
| | SWU 456: Immigrants and Refugees (C) |
| | SWU 457: Southwest Borderland Immigration Issues (C) |
| | SWU 458: Behavioral Health Services |
| | SWU 459: Spirituality and the Helping Professions |
| | SWU 460: Legal Issues in Social Work |
| | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |
| | SWU 462: Global Social Welfare (G) |
| | SWU 488: Advocacy Strategies |
| | SWU 498: Pro-Seminar (L) |

**Notes:**

-

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 3.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Tourism Development and Management, BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPTDMBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Secure experience to start your 100 career field exploration hours |
| PRM 120: Leisure and the Quality of Life (SB) | 3 | C | |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Milestone: Meet with the Clinical Assistant Professor for Internships to discuss requirement of 100 career field exploration hours. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 205: Introduction to Travel and Tourism (G) | 3 | C | • Secureexperienceto start your 100 career field exploration hours |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 210: Community Services and Professions | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Secureexperienceto continue your 100 career field exploration hours |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Tourism Development and Management Electives | 3 | C | • Secureexperienceto continue your 100 career field exploration hours |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) ( COM 225 OR ENG 301 recommended) | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 301: Sustainable Communities | 3 | C | • Successful completion of CRD 301 or TDM 372 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your skills<br>• Secure experience to continue your 100 career field exploration hours |
| TDM 372: Tourism Planning (L) | 3 | C | |
| CRD 302: Inclusive Community Development (SB & C) | 3 | C | |
| TDM 350: Tourism, Recreation and Sports Marketing | 3 | C | |
| Tourism Development and Management Electives | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 402: Assessment and Evaluation of Community Services | 3 | C | • Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your professional online presence<br>• Secure experience to continue your 100 career field exploration hours<br>• Taking TDM 345 and TDM 356 will yield the Convention Sales and Meeting Planning certificate. |
| TDM 458: International Tourism (G) | 3 | C | |
| TDM 480: Sustainable Tourism | 3 | C | |
| Tourism Development and Management Electives | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 403: Leadership and Professional Development | 3 | C | • Use Handshake to research employment opportunities<br>• Secure experience to complete your 100 career field exploration hours |
| TDM 401: Tourism Management | 3 | C | |
| Tourism Development and Management Electives | 3 | C | |
| *Complete 2 courses:* Upper Division Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 463: Senior Internship | 12 | C | • Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of CRD 301, TDM 372, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 |
|---|
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement-Area 2 |
|---|
| PAF 112: Identity, Service and American Democracy (SB & C) |
| PAF 200: Public Service and Policy in the 21st Century |
| PAF 201: Economics and Public Policy (SB) |
| PAF 240: Urban Policy (C) |
| PAF 311: Leadership and Change (SB) |
| PAF 410: Building Leadership Skills (SB) |

| Interdisciplinary Requirement - Area 3 |
|---|
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
|---|
| CPP Elective |

| Tourism Development and Management Electives |
|---|
| CRD Elective |
| CSM Elective ( CSM 201 OR CSM 483 OR CSM 485 recommended) |
| ENG 379: Travel Writing (L) |
| PAF 410: Building Leadership Skills (SB) |
| PRM Elective ( PRM 145 OR PRM 304 OR PRM 470 recommended) |
| NLM Elective |
| TDM 225: Introduction to Resort and Hotel Management |
| TDM 345: Meeting and Convention Planning |

TDM 386: Convention Sales and Management

TDM 415: Tourism Transportation Systems

TDM 448: Heritage and Cultural Tourism

TDM 475: Entrepreneurial Recreation and Tourism

TDM 481: Sustainable Food Management in Tourism

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Tourism Development and Management (Meetings and Events), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPTDMMEBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 120: Leisure and the Quality of Life (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU 101 is for ASU first-year students only and is not required for transfer students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Milestone: Meet with the Clinical Assistant Professor for Internships to discuss requirement of 100 career field exploration hours. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 205: Introduction to Travel and Tourism (G) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 210: Community Services and Professions | 3 | C | • Secure volunteer experience to start your 100 career field exploration hours |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 203: Program Planning | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) ( COM 225 OR ENG 301 recommended) | 3 | C | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 301: Sustainable Communities | 3 | C | • Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your skills |
| TDM 372: Tourism Planning (L) | 3 | C | |
| CRD 302: Inclusive Community Development (SB & C) | 3 | C | |
| PRM 145: Special Events Management | 3 | C | |
| TDM 350: Tourism, Recreation and Sports Marketing | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 487: Advanced Special Events Management | 3 | C | • Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement.<br>• Develop your professional online presence<br>• PRM 487 is offered in Spring semester only |
| TDM 402: Assessment and Evaluation of Community Services | 3 | C | |
| TDM 345: Meeting and Convention Planning | 3 | C | |
| *Complete 2 courses:*<br>TDM Meetings and Events Concentration Elective | 6 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 403: Leadership and Professional Development | 3 | C | • Research employment and internship opportunities |
| TDM 458: International Tourism (G) | 3 | C | |
| TDM 401: Tourism Management | 3 | C | |
| TDM 480: Sustainable Tourism | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 463: Senior Internship | 12 | C | • Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of CRD 301, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement-Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | PAF 112: Identity, Service and American Democracy (SB & C) | SWU 171: Introduction to Social Work (SB & H) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | PAF 200: Public Service and Policy in the 21st Century | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| CRJ 203: Courts and Sentencing | PAF 201: Economics and Public Policy (SB) | SWU 181: Economics: A Social Issues Perspective |
| CRJ 204: Juvenile Justice | PAF 240: Urban Policy (C) | SWU 182: Social Services Perspective of Government (SB) |
| CRJ 230: Introduction to Policing | PAF 311: Leadership and Change (SB) | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| CRJ 240: Introduction to Corrections | PAF 410: Building Leadership Skills (SB) | SWU 250: Stress Management Tools I (SB) |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | | SWU 349: Stress Management Tools II (SB) |
| CRJ 270: Community Justice (SB) | | SWU 456: Immigrants and Refugees (C) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | | SWU 458: Behavioral Health Services |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | | SWU 459: Spirituality and the Helping Professions |
| CRJ 309: Criminology (SB) | | SWU 460: Legal Issues in Social Work |
| CRJ 350: Law and Social Control (SB) | | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 | TDM Meetings and Events Concentration Electives (choose two) |
|---|---|
| CPP Elective | PRM 422: Special Event Technology and Production |
| | PRM 423: Special Event Operations |
| | PRM 427: Where's the Money: Special Event Revenue Generation |
| | TDM 386: Convention Sales and Management |
| | TDM 481: Sustainable Food Management in Tourism |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and

West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP

- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Tourism Development and Management (Resort and Hotel Leadership), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPTDMRBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 120: Leisure and the Quality of Life (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Milestone: Meet with the Clinical Assistant Professor for Internships to discuss requirement of 100 career field exploration hours. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 205: Introduction to Travel and Tourism (G) | 3 | C | • For the Interdisciplinary Requirement: PAF 410 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement. Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Interdisciplinary Requirement Course | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 210: Community Services and Professions | 3 | C | • Secure volunteer experience to start your 100 career field exploration hours<br>• Activate your Handshake account and build out your profile. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 225: Introduction to Resort and Hotel Management | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) ( COM 225 OR ENG 301 recommended) | 3 | C | |
| *Complete 2 courses:* Elective | 6 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 301: Sustainable Communities | 3 | C | • Successful completion of CRD 301 or TDM 372 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your skills<br>• Secure experience to continue your 100 career field exploration hours |
| TDM 372: Tourism Planning (L) | 3 | C | |
| CRD 302: Inclusive Community Development (SB & C) | 3 | C | |
| TDM 350: Tourism, Recreation and Sports Marketing | 3 | C | |
| Resort and Hotel Leadership Elective | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 402: Assessment and Evaluation of Community Services | 3 | C | • Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• PAF 410 satisfies part of the college's Interdisciplinary requirement.<br>• Develop your professional online presence<br>• TDM 481 and TDM 482 - offered Spring semester only<br>• Secure experience to continue your 100 career field exploration hours |
| TDM 481: Sustainable Food Management in Tourism | 3 | C | |
| PAF 410: Building Leadership Skills (SB) | 3 | C | |
| TDM 482: Sustainable Revenue Management | 3 | C | |
| Resort and Hotel Leadership Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 403: Leadership and Professional Development | 3 | C | • Research employment and internship opportunities<br>• Secure experience to complete your 100 career field exploration hours |
| TDM 401: Tourism Management | 3 | C | |
| TDM 458: International Tourism (G) | 3 | C | |
| TDM 480: Sustainable Tourism | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 463: Senior Internship | 12 | C | • Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
    - PAF 410 satisfies part of the college's Interdisciplinary requirement. Students must choose one additional class from the areas below to complete the requirement.
    - Students can choose one course from any of the three Interdisciplinary areas/track groups to meet this requirement.

  For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of CRD 301, TDM 372, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 |
| --- |
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement - Area 2 |
| --- |
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 3 |
| --- |
| CPP Elective |

| Resort and Hotel Leadership Electives |
| --- |
| LES 305: Business Law and Ethics for Managers |
| MGT 380: Management and Strategy for Nonmajors |
| PRM 145: Special Events Management |
| PRM 475: Entrepreneurial Recreation and Tourism |
| TDM 345: Meeting and Convention Planning |
| TDM 386: Convention Sales and Management |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Tourism Development and Management (Sustainable Tourism), BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPTDMSBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 120: Leisure and the Quality of Life (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• ASU 101 is for ASU first-year students only and is not required for transfer students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Interdisciplinary Requirement | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Milestone: Meet with the Clinical Assistant Professor for Internships to discuss requirement of 100 career field exploration hours. | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 205: Introduction to Travel and Tourism (G) | 3 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 210: Community Services and Professions | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups.<br>• Secure volunteer experience to start your 100 career field exploration hours |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SOS 100: Introduction to Sustainability (G) | 3 | C | |
| Sustainable Tourism Elective | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) ( COM 225 OR ENG 301 recommended) | 3 | C | |
| Elective | 3 | | |
| Minimum 2.50 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 301: Sustainable Communities | 3 | C | • Successful completion of CRD 301 or TDM 372 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your skills |
| TDM 372: Tourism Planning (L) | 3 | C | |
| CRD 302: Inclusive Community Development (SB & C) | 3 | C | |
| SOS 300: Advanced Concepts and Integrated Approaches in Sustainability | 3 | C | |
| TDM 350: Tourism, Recreation and Sports Marketing | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 402: Assessment and Evaluation of Community Services | 3 | C | • Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• Develop your professional online presence<br>• TDM 481 - offered Spring semester only |
| TDM 481: Sustainable Food Management in Tourism | 3 | C | |
| TDM 448: Heritage and Cultural Tourism | 3 | C | |
| TDM 458: International Tourism (G) | 3 | C | |
| Sustainable Tourism Elective | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 403: Leadership and Professional Development | 3 | C | • Research employment and internship opportunities |
| TDM 401: Tourism Management | 3 | C | |
| TDM 480: Sustainable Tourism | 3 | C | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 463: Senior Internship | 12 | C | • Successful completion of TDM 463 will satisfy the college Solution-Based Learning (SBL) Requirement |
| Term hours subtotal: | 12 | | |

- For the Interdisciplinary Requirement:
    - Students can choose courses from any of the four Interdisciplinary areas/track groups.
    - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) College Requirement:
    - Students must complete one SBL course by degree completion.
    - Successful completion of CRD 301, TDM 372, TDM 402, or TDM 463 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 |
|---|
| CRJ 100: Introduction to Criminal Justice (SB) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices |
| CRJ 203: Courts and Sentencing |
| CRJ 204: Juvenile Justice |
| CRJ 230: Introduction to Policing |
| CRJ 240: Introduction to Corrections |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law |
| CRJ 270: Community Justice (SB) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) |
| CRJ 309: Criminology (SB) |
| CRJ 350: Law and Social Control (SB) |

| Interdisciplinary Requirement-Area 2 |
|---|
| PAF 112: Identity, Service and American Democracy (SB & C) |
| PAF 200: Public Service and Policy in the 21st Century |
| PAF 201: Economics and Public Policy (SB) |
| PAF 240: Urban Policy (C) |
| PAF 311: Leadership and Change (SB) |
| PAF 410: Building Leadership Skills (SB) |

| Interdisciplinary Requirement - Area 3 |
|---|
| SWU 171: Introduction to Social Work (SB & H) |
| SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| SWU 181: Economics: A Social Issues Perspective |
| SWU 182: Social Services Perspective of Government (SB) |
| SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| SWU 250: Stress Management Tools I (SB) |
| SWU 349: Stress Management Tools II (SB) |
| SWU 456: Immigrants and Refugees (C) |
| SWU 458: Behavioral Health Services |
| SWU 459: Spirituality and the Helping Professions |
| SWU 460: Legal Issues in Social Work |
| SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
|---|
| CPP Elective |

| Sustainable Tourism Electives |
|---|
| PRM 370: Public Lands Management |
| PRM 470: Environmental Communication |
| TDM 225: Introduction to Resort and Hotel Management |
| TDM 415: Tourism Transportation Systems |
| TDM 475: Entrepreneurial Recreation and Tourism |
| TDM 482: Sustainable Revenue Management |
| TDM 483: Sports Tourism |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Tourism and Recreation Management, BS

School/College: Watts College of Public Service & Community Solut
Location: Online, ASU Local
PPTRMBS

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 120: Leisure and the Quality of Life (SB) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-CPP: The ASU Experience | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 210: Leisure Delivery Systems | 3 | C | |
| MAT 142: College Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TDM 205: Introduction to Travel and Tourism (G) | 3 | C | • Secure volunteer experience to start your 200 career field exploration hours |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Term hours subtotal: | 6 | | |

| | | Minimum | |
|---|---|---|---|

| Term 3 - B 33 - 39 Credit Hours Critical course signified by | Hours | Grade | Notes |
|---|---|---|---|
| Humanities, Arts and Design (HU) | 3 | | • Consider combining your electives into one of the online minors. Suggestions include:<br>anthropology<br>business<br>organizational leadership<br>sociology<br>sustainability |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 6 | | |

| Term 4 - A 39 - 45 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Interdisciplinary Requirement | 3 | | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| Literacy and Critical Inquiry (L) ( COM 225 OR ENG 301 recommended) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 4 - B 45 - 51 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PRM 203: Program Planning | 3 | C | • Successful completion of PRM 203 will satisfy the college Solution-Based Learning (SBL) Requirement<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| Interdisciplinary Requirement | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 5 - A 51 - 57 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| CRD 302: Inclusive Community Development (SB & C) | 3 | C | • Develop your skills |
| PRM 380: Wilderness and Parks in America (SB & H) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 57 - 63 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Emphasis Core Course | 3 | C | • Students select one emphasis area below and choose core courses and emphasis electives from the same area. Students must select one of the following four emphases:<br>events<br>tourism<br>recreation<br>sport |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - A 63 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Emphasis Core Course | 3 | C | |
| CRD 350: Tourism, Recreation and Sports Marketing | 3 | C | |

| | | |
|---|---|---|
| Term hours subtotal: | 6 | |

- Students select one emphasis area below and choose core courses and emphasis electives from the same area.

| Term 6 - B 69 - 75 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PRM 310: Volunteer Management | 3 | C | • Core and elective courses for each emphasis are shown at the bottom of the major map. |
| Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 75 - 81 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Literacy and Critical Inquiry (L) | 3 | | • Develop your professional online presence |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 81 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Emphasis Elective Course | 3 | C | • Students select one emphasis area below and choose core courses and emphasis electives from the same area. |
| Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 87 - 93 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Emphasis Core Course | 3 | C | • Successful completion of CRD 402 will satisfy the college Solution-Based Learning (SBL) Requirement.<br>• Students select one emphasis area below and choose core courses and emphasis electives from the same area. |
| CRD 402: Assessment and Evaluation of Community Services | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 93 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRD 401: Managing Leisure Enterprises | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 9 - A 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CRD 403: Leadership and Professional Development | 3 | C | Use Handshake to research employment and internship opportunities |
| ★ Upper Division Emphasis Elective Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 9 - B 105 - 111 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ Upper Division Emphasis Elective Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 10 - A 111 - 114 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| Upper Division Elective | 3 | |
| Term hours subtotal: | 3 | |

- Students select one emphasis area below and choose core courses and emphasis electives from the same area.

| Term 10 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ PRM 484: Internship or TDM 484: Internship or CSM 484: Internship OR CRD 435: Service Learning for Community Development AND Additional Emphasis Elective | 6 | C | • PRM 484, TDM 484, CSM 484, or CRD 435 offered as a C Session course.<br>• Successful completion of PRM 484, TDM 484, CSM 484, or CRD 435 will satisfy the college Solution-Based Learning (SBL) Requirement |
| Term hours subtotal: | 6 | | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:

- Students must complete one SBL course by degree completion.
- Successful completion of PRM 203, CRD 402, TDM 484, PRM 484, CSM 484 or CRD 435 will satisfy the SBL requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement-Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | PAF 200: Public Service and Policy in the 21st Century | SWU 171: Introduction to Social Work (SB & H) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | PAF 201: Economics and Public Policy (SB) | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| CRJ 203: Courts and Sentencing | PAF 311: Leadership and Change (SB) | SWU 181: Economics: A Social Issues Perspective |
| CRJ 204: Juvenile Justice | PAF 410: Building Leadership Skills (SB) | SWU 182: Social Services Perspective of Government (SB) |
| CRJ 230: Introduction to Policing | | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| CRJ 240: Introduction to Corrections | | SWU 250: Stress Management Tools I (SB) |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | | SWU 349: Stress Management Tools II (SB) |
| CRJ 270: Community Justice (SB) | | SWU 456: Immigrants and Refugees (C) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | | SWU 458: Behavioral Health Services |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | | SWU 460: Legal Issues in Social Work |
| CRJ 309: Criminology (SB) | | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |
| CRJ 350: Law and Social Control (SB) | | |

| | | |
|---|---|---|
| Interdisciplinary Requirement-Area 4 | Events Emphasis Core Courses (grade of "C" required) | Events Emphasis Elective Courses (choose 3 courses; grade of "C" required) |
| CPP Elective | PRM 145: Special Events Management | CSM 483: Sports Tourism |
| | PRM 427: Where's the Money: Special Event Revenue Generation | CSM 485: Sports Events |
| | PRM 487: Advanced Special Events Management | PRM 475: Entrepreneurial Recreation and Tourism |
| | TDM 345: Meeting and Convention Planning | TDM 345: Meeting and Convention Planning |
| | | TDM 386: Convention Sales and Management |
| Recreation Emphasis Core Courses (grade of "C" required) | Recreation Emphasis Elective Courses (choose 3 courses; grade of "C" required) | Sport Emphasis Core Courses (grade of "C" required) |
| PRM 201: Introduction to Parks, Recreation and Sport Management | GIS 494: GIS Methods for Non-Majors | CSM 201: Introduction to Parks, Recreation and Sport Management |
| PRM 453: Inclusive Community Sport | PRM 145: Special Events Management | CSM 453: Inclusive Community Sport |
| PRM 475: Entrepreneurial Recreation and Tourism | PRM 485: Sports Events | CSM 483: Sports Tourism |
| RTH 364: Foundations of Recreation Therapy (SB) | PRM 487: Advanced Special Events Management | CSM 485: Sports Events |
| | RTH 450: Therapeutic Recreation and Community Health | |
| | RTH 455: Recreational Therapy and Play with Children, Youth and Families | |
| | TDM 345: Meeting and Convention Planning | |
| | TDM 448: Heritage and Cultural Tourism | |
| | TDM 480: Sustainable Tourism | |
| Sport Emphasis Elective Courses (choose 3 courses; grade of "C" required) | Tourism Emphasis Core Course (grade of "C" required) | Tourism Emphasis Elective Courses (choose 3 courses; grade of "C" required) |
| PRM 145: Special Events Management | TDM 225: Introduction to Resort and Hotel Management | PRM 145: Special Events Management |
| PRM 487: Advanced Special Events Management | TDM 458: International Tourism (G) | TDM 345: Meeting and Convention Planning |
| TDM 458: International Tourism (G) | TDM 480: Sustainable Tourism | TDM 386: Convention Sales and Management |
| TDM 475: Entrepreneurial Recreation and Tourism | | TDM 448: Heritage and Cultural Tourism |
| TDM 345: Meeting and Convention Planning | | TDM 475: Entrepreneurial Recreation and Tourism |
| RTH 364: Foundations of Recreation Therapy (SB) | | TDM 483: Sports Tourism |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Urban and Metropolitan Studies, BS

School/College: Watts College of Public Service & Community Solut
Location: Downtown Phoenix
PPURBBS

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| ASU 101-CPP: The ASU Experience | 1 | | |
| Interdisciplinary Requirement | 3 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Elective | 3 | | |
| Milestone: Meet with an academic advisor | | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • For the Interdisciplinary Requirement: Students can choose courses from any of the four Interdisciplinary areas/track groups. To meet the requirement, students must take two courses from at least two different groups. |
| MAT 142: College Mathematics (MA) | 3 | | |
| Interdisciplinary Requirement | 3 | | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 32 - 48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 220: Introduction to Urban America | 3 | C | • Develop your skills |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| *Complete 2 courses:*<br>Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 4 48 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 240: Urban Policy (C) | 3 | C | • Explore an internship |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:* Elective | 6 | | |
| Minimum 2.00 GPA ASU Cumulative. | | | |
| Term hours subtotal: | 15 | | |

| Term 5 63 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 351: Urban and Metropolitan Studies | 3 | C | • Develop your professional online presence |
| PAF 301: Applied Statistics (CS) | 3 | C | |
| *Complete 2 courses:* POS OR PUP OR GPH OR GCU OR MGT OR PAF OR HST OR SBS OR SOS OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR ASB Elective | 6 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 78 - 93 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 302: Public Service Research Methods | 3 | C | • Complete an in person or virtual practice interview |
| PAF 305: Urban Governance | 3 | C | |
| POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective | 3 | C | |
| POS OR PUP OR GPH OR GCU OR MGT OR PAF OR HST OR SBS OR SOS OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR ASB Elective | 3 | C | |
| Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 93 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 352: Urban Theory | 3 | C | • Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement |
| PAF 484: Internship | 3 | Y | |
| PAF 410: Building Leadership Skills (SB) | 3 | C | |
| *Complete 2 courses:* POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective | 6 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| PAF 400: Senior Capstone Project | 3 | C | |

| | | |
|---|---|---|
| POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective | 3 | C |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | |
| Term hours subtotal: | 12 | |

- For the Interdisciplinary Requirement:
  - Students can choose courses from any of the four Interdisciplinary areas/track groups.
  - To meet the requirement, students must take two courses from at least two different groups.

  For the Solution-Based Learning (SBL) College Requirement:
  - Students must complete one SBL course by degree completion.
  - Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)

| Interdisciplinary Requirement-Area 1 | Interdisciplinary Requirement - Area 2 | Interdisciplinary Requirement-Area 3 |
|---|---|---|
| CRJ 100: Introduction to Criminal Justice (SB) | CRD 302: Inclusive Community Development (SB & C) | SWU 171: Introduction to Social Work (SB & H) |
| CRJ 201: Criminal Justice Crime Control Policies and Practices | CRD 471: Interprofessional Education and Community Health | SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C) |
| CRJ 203: Courts and Sentencing | CRD 472: Interprofessional Education and Complex Health | SWU 181: Economics: A Social Issues Perspective |
| CRJ 204: Juvenile Justice | CRD 473: Interprofessional Education and Comprehensive Systems Health | SWU 182: Social Services Perspective of Government (SB) |
| CRJ 230: Introduction to Policing | CSM 201: Introduction to Parks, Recreation and Sport Management | SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) |
| CRJ 240: Introduction to Corrections | NLM 160: Voluntary Action and Community Leadership (SB) | SWU 250: Stress Management Tools I (SB) |
| CRJ 260: Criminal Law I: Introduction to Substantive Criminal Law | NLM 220: Introduction to Nonprofit Organizations | SWU 349: Stress Management Tools II (SB) |
| CRJ 270: Community Justice (SB) | PRM 120: Leisure and the Quality of Life (SB) | SWU 456: Immigrants and Refugees (C) |
| CRJ 305: Gender, Crime, and Criminal Justice (C) | PRM 380: Wilderness and Parks in America (SB & H) | SWU 458: Behavioral Health Services |
| CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) | RTH 364: Foundations of Recreation Therapy (SB) | SWU 459: Spirituality and the Helping Professions |
| CRJ 309: Criminology (SB) | TDM 205: Introduction to Travel and Tourism (G) | SWU 460: Legal Issues in Social Work |
| CRJ 350: Law and Social Control (SB) | TDM 458: International Tourism (G) | SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) |

| Interdisciplinary Requirement-Area 4 |
|---|
| CPP Elective |

**Notes:**

-

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

2023 - 2024 Major Map

# Applied Science (Early Childhood Studies), BAS

School/College: Mary Lou Fulton Teachers College
Location: Online, ASU Local
TEAPSECBAS

| Applicable Community College Prerequisites 0 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| AAS Degree Transfer Block | 60 | | • Students may meet lower division general studies requirements with the AAS degree.<br>• Students must complete all ASU general studies requirements in order to earn ASU BAS degree.<br>• Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements. |
| Term hours subtotal: | 60 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECD 327: Becoming a Teacher Leader | 3 | C | • Students must secure an approved ASU work or volunteer placement for upper-division coursework. The MLFTC Office of Professional Experiences (OPE) supports all site placements for students in our college. For students who do not have an existing placement at a site that teaches young children and that meets the requirements of ASU, OPE will help find an appropriate placement. |
| FAS 370: Family Ethnic and Cultural Diversity (SB & C) | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 78 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECD 310: Applied Early Child Development | 3 | C | • Join a student club or Early Childhood Professional organization (for example, NAEYC or AzAEYC). |
| ★ ECS 312: Social and Emotional Development of the Young Child (SB) | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 78 - 87 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECS 321: Communication, Language Development, and Emergent Literacy | 3 | C | • Develop your professional online presence. |
| CDE 350: Inequality and Diversity in Education (L & C) | 3 | C | |

| | | |
|---|---|---|
| Any needed lower division General Studies requirement OR Elective | 3 | |
| Term hours subtotal: | 9 | |

| Term 6 - B 87 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECD 325: Supporting Dual Language Learners | 3 | C | • Complete an in person or virtual practice interview. |
| CDE 430: Infant and Toddler Development in the Family (SB) | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 7 - A 96 - 102 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECD 322: Cognition and General Knowledge: Science, Math, Logic and Reasoning | 3 | C | |
| Any needed lower division General Studies requirement OR Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 102 - 108 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECS 315: Classroom Organization and Child Guidance | 3 | C | • Apply for full-time career opportunities. |
| PAF 410: Building Leadership Skills (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 108 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECS 427: Highly Individualized Teaching and Learning | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECD 476: Intentional Teaching | 3 | C | |
| ★ ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education | 3 | C | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 60 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Early Childhood Education, BAE

School/College: Mary Lou Fulton Teachers College
Location: Tempe, ASU Sync
TEECDEDBAE

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students should work with their academic advisor to select the appropriate math course.<br>• Join a student club or professional organization. |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 31 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • GCU 113 meets the US and AZ constitution requirements for AZ teacher certification. |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching | 3 | C | |

| | | |
|---|---|---|
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | |
| Historical Awareness (H) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 13 | |

| Term 4 44 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| *Complete 3 courses:* Specialization Area Course | 8 | C | |
| Term hours subtotal: | 15 | | |

| Term 5 59 - 76 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • Students may take TEL 310 and/or TEL 318 in an earlier term or during summer if their schedule allows. Please consult with an academic advisor first. |
| ECD 321: Foundations in Language, Literacy and Culture in Early Childhood (L) | 3 | C | |
| ECS 310: Foundations in Typical / Atypical Child Development | 3 | C | |
| ECS 312: Social and Emotional Development of the Young Child (SB) | 3 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| Term hours subtotal: | 17 | | |

| Term 6 76 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 366: Internship: Intermediate | 1 | C | • Complete an in person or virtual practice interview |
| ECD 417: Arts Integration for Young Children | 3 | C | |
| MTE 310: Number Sense, Spatial Relationships, and Measurement and Data for Early Childhood Education Teaching | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 331: Foundations of Literacy: The Science of Reading | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 90 - 105 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 477: Internship: Advanced | 2 | C | |
| ECS 411: Instructional Methodologies for Young Children: STEM | 3 | C | |
| ECS 412: Mathematics Curriculum, Instruction and Assessment | 3 | C | |

| | | |
|---|---|---|
| RDG 413: Literacy Methods of Instruction and Assessment for Diverse Learners | 3 | C |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | |
| Term hours subtotal: | 15 | |

| **Term 8 105 - 120 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| TEL 488: Student Teaching | 11 | C | |
| ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education | 3 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 15 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Education Exploratory

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic, Tempe, West
TEEDUEXPL

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students should work with their academic advisors to select the appropriate math course.<br>• GCU 113 meets the US and AZ constitution requirements for AZ teacher certification. |
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Elective ( GCU 113 recommended) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization.<br>• Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Milestone: Students must declare a BAE major upon the completion of 30 credits. Please meet with a Teachers College advisor to declare one of the BAE programs. | | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

•

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 30
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Educational Studies, BAE

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic, Tempe, West
EDSLSTBAE

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU |
| MAT 142: College Mathematics (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Elective | 1 | | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Join a student club or professional organization<br>• Consider studying abroad. Meet with your advisor for more information.<br>• TEL 215 is the preferred course |
| CDE 232: Human Development (SB) OR TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 30 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • Develop your skills<br>• Select one track option from options below and complete all courses listed within the same track |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| Global Awareness (G) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) ( SCN 202 recommended) | 4 | C | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 16 | | |

| Term 4 46 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 223: Intersection of Society, Disabilities and Inclusion | 3 | C | • Develop your professional online presence<br>• Meet with Teachers College Career Coach before the end of the term. |
| TEL 200: Social Embeddedness of Educational Endeavors | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| *Complete 2 courses:*<br>Elective | 5 | | |
| Term hours subtotal: | 14 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 301: Why Education? | 3 | C | |
| EDU 302: Diversity in Learning Contexts | 3 | C | |
| LSE 303: Human Development: Addressing Learner Capabilities (SB) | 3 | C | |
| Educational Studies Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 89 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 304: The Bridge Between Coursework, Identity and Career | 2 | C | • Use Handshake to researchemployment opportunities |
| EDU 396: Exploring Ideas and Planning for an Internship | 3 | C | |
| LSE 305: Conceptualizing Learning: Theories in Practice | 3 | C | |
| Educational Studies Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 7 89 - 104 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 484: Internship | 3 | C | • Complete an in-person or virtual practice interview<br>• Apply for full-time career opportunities |
| EDU 402: Partnering to Advance Educational Initiatives (L) | 3 | C | |
| LSE 401: Designing Learning Environments for Inclusion (SB) | 3 | | |
| *Complete 2 courses:*<br>Educational Studies Track Course | 6 | C | |
| Term hours subtotal: | 15 | | |

| Term 8 104 - 120 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 404: Navigating Change in Educational Innovations | 3 | C | |
| EDU 498: Pro-Seminar | 4 | C | |
| Educational Studies Track Course | 3 | C | |
| *Complete 2 courses:*<br>Upper Division Elective | 6 | | |
| Term hours subtotal: | 16 | | |

- Select one track from the options below and complete all courses listed within the same track.

Hide Course List(s)/Track Group(s)

| Business | Community Health | Counseling |
|---|---|---|
| ACC 382: Accounting and Financial Analysis | HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | CAP 120: Introduction to Counseling (SB) |
| ECN 211: Macroeconomic Principles (SB) | HCR 231: Fundamentals of Community Health | CAP 240: Counseling Skills |
| FIN 380: Personal Financial Management | HCR 331: Communication within Communities | CAP 315: Trauma and Crisis Intervention |
| MGT 380: Management and Strategy for Nonmajors | HCR 335: Program Development and Management for Community Health | CAP 420: School Counseling |
| MKT 390: Essentials of Marketing | HCR 435: Leaders in Community Health | CAP Upper Division Elective |

| Entrepreneurship | Environmental Education | Family and Human Development |
|---|---|---|
| ENT 305: Principles of Entrepreneurship | SCN 207: Introduction to Biomimicry or SCN 307: Biomimicry: Nature's Sustainable Solutions (G) | CDE Upper Division Elective |
| IPI 296: Inquiry (L) | SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) or SCN 308: Urban Environmental Education | FAS 101: Personal Growth and Relationships (SB) |
| MKT 390: Essentials of Marketing | SCN 301: Ecology and Natural History of the Sonoran Desert (SG) | FAS 264: Sociology of Gender (SB & C) |
| TEM 230: Creativity and Business Innovation | SCN 302: Environmental Education: A Global Perspective (L & G) | FAS 331: Modern Family Relationships (SB) |
| TWC 347: Written Communication for Managers (L) | SCN 310: Biodiversity Conservation: An Educational Inquiry | FAS 370: Family Ethnic and Cultural Diversity (SB & C) |

| Global Studies | Health Innovation | Nonprofit Administration |
|---|---|---|
| SGS 101: Thinking Globally (SB & G) | HCI 311: Health Innovation: Foundational Concepts | NLM 160: Voluntary Action and Community Leadership (SB) |
| SGS 204: Professional Global Career Development | HCI 412: Transforming Health Care: A Systems Perspective for Innovation | NLM 220: Introduction to Nonprofit Organizations |
| SGS 303: Global Trends (SB & G) | HCI 421: Health Care Policy: The Innovator's View | NLM 300: Fund Raising and Resource Development |
| SGS Lower Division Elective | HCI 425: Facilitating Innovation to Achieve Outcomes | NLM 310: Volunteer Management |
| SGS Upper Division Elective | HCI 428: Technology: A Tool to Advance Innovation in Health Care | NLM 410: Social Entrepreneurship |

| Organizational Leadership | Personal Health | Political Science |
|---|---|---|
| OGL 200: Introduction to Organizational Leadership (SB) | EXW 325: Fitness for Life | POS 110: American Government and Politics (SB) |
| OGL 220: Behavioral Dynamics in Organizations (SB) | EXW OR HEP Upper Division Elective | POS 150: Comparative Government (SB & G) |
| | HEP 303: Human Sexuality for Health Education | POS 210: Political Ideologies (SB) |

| | | |
|---|---|---|
| OGL 340: Organizational Skills | HSC 355: Eating for Lifelong Health (SB) | POS 360: World Politics (SB & G) |
| OGL 355: Leading Organizational Innovation and Change | NTR 100: Introduction to Nutrition Science | POS Upper Division Elective |
| PMG 320: Foundations of Project Management | | |
| Recreation Management | | |
| CRD 210: Community Services and Professions | | |
| CRD 302: Inclusive Community Development (SB & C) | | |
| PRM 120: Leisure and the Quality of Life (SB) | | |
| PRM 304: Recreation and Sport Planning and Facilities (L) | | |
| PRM 401: Managing Leisure Enterprises | | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Educational Studies, BAE

School/College: Mary Lou Fulton Teachers College
Location: Online, ASU Local
EDSLSTBAE

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 101-ONL: The ASU Experience | 1 | | |
| CDE 232: Human Development (SB) OR TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 111: Exploration of Education (SB) | 3 | C | • View ASU Online first-year student registration information here. |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 29 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | Consider studying abroad. Meet with your advisor for more information. |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 29 - 35 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • Develop your skills |
| Global Awareness (G) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 35 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | • Select one track option from options below and complete all courses listed within the same track |
| *Complete 2 courses:* Elective | 6 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 9 | | |

| Term 4 - A 44 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 223: Intersection of Society, Disabilities and Inclusion | 3 | C | • Meet with Teachers College career coach before the end of the term. |
| TEL 200: Social Embeddedness of Educational Endeavors | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 53 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60 - 69 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 301: Why Education? | 3 | C | • Develop your professional online presence |
| Educational Studies Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 5 - B 69 - 78 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 302: Diversity in Learning Contexts | 3 | C | |
| LSE 303: Human Development: Addressing Learner Capabilities (SB) | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 78 - 86 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 304: The Bridge Between Coursework, Identity and Career | 2 | C | |
| Educational Studies Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 8 | | |

| Term 6 - B 86 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 396: Exploring Ideas and Planning for an Internship | 3 | C | |
| LSE 305: Conceptualizing Learning: Theories in Practice | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 92 - 101 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EDU 402: Partnering to Advance Educational Initiatives (L) | 3 | C | • EDU 484 is a Session C course (15 weeks long). |
| ★ EDU 484: Internship | 3 | C | |
| Educational Studies Track Course | 3 | C | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 101 - 107 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LSE 401: Designing Learning Environments for Inclusion (SB) | 3 | C | • Gather professional references |
| Educational Studies Track Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 107 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ EDU 404: Navigating Change in Educational Innovations | 3 | C | • Apply for full-time career opportunities<br>• EDU 498 is a Session C course (15 weeks long). |
| ★ EDU 498: Pro-Seminar | 4 | C | |
| Term hours subtotal: | 7 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Educational Studies Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Select one track from the options below and complete all courses listed within the same track.

Hide Course List(s)/Track Group(s)

| Business | Community Health | Counseling |
|---|---|---|
| ACC 382: Accounting and Financial Analysis | HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | CAP 120: Introduction to Counseling (SB) |
| ECN 211: Macroeconomic Principles (SB) | HCR 231: Fundamentals of Community Health | CAP 240: Counseling Skills |
| FIN 380: Personal Financial Management | HCR 331: Communication within Communities | CAP 315: Trauma and Crisis Intervention |
| MGT 380: Management and Strategy for Nonmajors | HCR 335: Program Development and Management for Community Health | CAP 420: School Counseling |
| MKT 390: Essentials of Marketing | HCR 435: Leaders in Community Health | CAP Upper Division Elective |

| Entrepreneurship | Family and Human Development | Global Studies |
|---|---|---|
| ENT 305: Principles of Entrepreneurship | CDE Upper Division Elective | SGS 101: Thinking Globally (SB & G) |
| IPI 296: Inquiry (L) | FAS 101: Personal Growth and Relationships (SB) | SGS 204: Professional Global Career Development |
| MKT 390: Essentials of Marketing | FAS 264: Sociology of Gender (SB & C) | SGS 303: Global Trends (SB & G) |
| TEM 230: Creativity and Business Innovation | FAS 331: Modern Family Relationships (SB) | SGS Lower Division Elective |

TWC 347: Written Communication for Managers (L)

Health Innovations

HCI 311: Health Innovation: Foundational Concepts

HCI 412: Transforming Health Care: A Systems Perspective for Innovation

HCI 421: Health Care Policy: The Innovator's View

HCI 425: Facilitating Innovation to Achieve Outcomes

HCI 428: Technology: A Tool to Advance Innovation in Health Care

Political Science

POS 110: American Government and Politics (SB)

POS 150: Comparative Government (SB & G)

POS 210: Political Ideologies (SB)

POS 360: World Politics (SB & G)

POS Upper Division Elective

FAS 370: Family Ethnic and Cultural Diversity (SB & C)

Organizational Leadership

OGL 200: Introduction to Organizational Leadership (SB)

OGL 220: Behavioral Dynamics in Organizations (SB)

OGL 340: Organizational Skills

OGL 355: Leading Organizational Innovation and Change

PMG 320: Foundations of Project Management

SGS Upper Division Elective

Personal Health

EXW 325: Fitness for Life

EXW OR HEP Upper Division Elective

HEP 303: Human Sexuality for Health Education

HSC 355: Eating for Lifelong Health (SB)

NTR 100: Introduction to Nutrition Science

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Educational Studies (Early Childhood Studies), BAE

School/College: Mary Lou Fulton Teachers College
Location: Online, ASU Local
TEESECEBAE

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students |
| ASU 101-ONL: The ASU Experience | 1 | | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 111: Exploration of Education (SB) | 3 | C | • View ASU Online first-year registration information here.<br>• Build your professional connections -- join the ASU Mentor Network. |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 29 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| Elective | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 9 | | |

| Term 3 - A 29 - 38 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • Develop your skills |
| Global Awareness (G) AND Historical Awareness (H) | 3 | | |
| Elective | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 9 |

| Term 3 - B 38 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Elective | 1 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 45 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 223: Intersection of Society, Disabilities and Inclusion | 3 | C | • Students must secure an approved ASU work or volunteer placement for upper-division coursework. The MLFTCOffice of Professional Experiences (OPE)supports all site placements for students in our college. For students who do not have an existing placement at a site that teaches young children and that meets the requirements of ASU, OPE will help find an appropriate placement. |
| ECD 220: Introduction to Nutrition, Health and Safety | 2 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 8 | | |

| Term 4 - B 53 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Elective | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECD 327: Becoming a Teacher Leader | 3 | C | • Students must secure an approved ASU work or volunteer placement for upper division coursework.<br>• Develop your professional online presence. |
| FAS 370: Family Ethnic and Cultural Diversity (SB & C) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 66 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECD 310: Applied Early Child Development | 3 | C | |
| ECS 312: Social and Emotional Development of the Young Child (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 75 - 84 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ECS 321: Communication, Language Development, and Emergent Literacy | 3 | C | |
| CDE 350: Inequality and Diversity in Education (L & C) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| | | Minimum | |
|---|---|---|---|

| Term 6 - B 84 - 90 Credit Hours Necessary course signified by ★ | Hours | Grade | Notes |
|---|---|---|---|
| ★ ECD 325: Supporting Dual Language Learners | 3 | C | |
| CDE 430: Infant and Toddler Development in the Family (SB) | 3 | C | |
| ★ Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 6 | | |

| Term 7 - A 90 - 99 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECD 322: Cognition and General Knowledge: Science, Math, Logic and Reasoning | 3 | C | |
| Upper Division Elective | 3 | | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 7 - B 99 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECS 315: Classroom Organization and Child Guidance | 3 | C | • Gather professional references |
| PAF 410: Building Leadership Skills (SB) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECS 427: Highly Individualized Teaching and Learning | 3 | C | • Apply for full-time career opportunities |
| *Complete 2 courses:* Elective | 6 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ ECD 476: Intentional Teaching | 3 | C | |
| ★ ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education | 3 | C | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum

**General University Requirements Legend**

General Studies Core Requirements:

**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Educational Studies (Instructional Design), BAE

School/College: Mary Lou Fulton Teachers College
Location: Online ASU Local
TEEDUSTBAE

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students. |
| ASU 101-ONL: The ASU Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 142: College Mathematics (MA) | 3 | C | • View ASU Online first-year student registration information here. |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 22 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| CDE 232: Human Development (SB) OR TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 2 - B 22 - 29 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | • Consider studying abroad. Meet with your advisor for more information. |
| Natural Science - Quantitative (SQ) | 4 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 29 - 35 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • Develop your skills |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 3 - B 35 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | | |
| Elective | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 9 | | |

| Term 4 - A 44 - 53 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 223: Intersection of Society, Disabilities and Inclusion | 3 | C | • Meet with Teachers College career coach before the end of the term.<br>• Students planning to take GIT 314 or GIT 315 in Terms 7B or 8A must first successfully complete GIT 230 with a C or better. |
| TEL 200: Social Embeddedness of Educational Endeavors | 3 | C | |
| Elective ( GIT 230 recommended) | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 4 - B 53 - 60 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Term hours subtotal: | 7 | | |

| Term 5 - A 60 - 66 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 301: Why Education? | 3 | C | • Develop your professional online presence. |
| LDT 301: Foundations of Instructional Design | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 5 - B 66 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LDT 320: Digital Learning Theories | 3 | C | |
| Educational Studies Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 6 - A 75 - 81 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| LDT 330: Design of Digital Learning | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Term hours subtotal: | 6 | | |

| Term 6 - B 81 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDU 302: Diversity in Learning Contexts | 3 | C | |
| LDT 410: Assessment and Evaluation for Digital Learning | 3 | C | |
| Educational Studies Track Course | 3 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |

| | |
|---|---|
| Term hours subtotal: | 9 |

| Term 7 - A 90 - 96 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ LDT 484: Internship | 3 | C | • LDT 484 is a Session C course (15 weeks long). |
| Educational Studies Track Course | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 7 - B 96 - 105 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 300: Web Design and Development OR GIT 135: Graphic Communications OR GIT 314: Multimedia Design, Planning and Storyboards OR GIT 315: Digital Video Techniques OR TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | • Gather professional references.<br>• Students planning to take GIT 314 or GIT 315 must first successfully complete GIT 230 with a C or better. |
| ★ LSE 401: Designing Learning Environments for Inclusion (SB) | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - A 105 - 114 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ CIS 300: Web Design and Development OR GIT 135: Graphic Communications OR GIT 314: Multimedia Design, Planning and Storyboards OR GIT 315: Digital Video Techniques OR TWC 301: Fundamentals of Writing for Digital Media (L) | 3 | C | • Apply for full-time career opportunities.<br>• Students planning to take GIT 314 or GIT 315 must first successfully complete GIT 230 with a C or better. |
| Upper Division Educational Studies Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 9 | | |

| Term 8 - B 114 - 120 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Upper Division Educational Studies Track Course | 3 | C | |
| Upper Division Elective | 3 | | |
| Term hours subtotal: | 6 | | |

- Select one track from the options below and complete all courses listed within the same track.

Hide Course List(s)/Track Group(s)

| Business | Community Health | Counseling |
|---|---|---|
| ACC 382: Accounting and Financial Analysis | HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) | CAP 120: Introduction to Counseling (SB) |
| ECN 211: Macroeconomic Principles (SB) | HCR 231: Fundamentals of Community Health | CAP 240: Counseling Skills |
| FIN 380: Personal Financial Management | HCR 331: Communication within Communities | CAP 315: Trauma and Crisis Intervention |
| MGT 380: Management and Strategy for Nonmajors | HCR 335: Program Development and Management for Community Health | CAP 420: School Counseling |
| MKT 390: Essentials of Marketing | HCR 435: Leaders in Community Health | CAP Upper Division Elective |
| Family and Human Development | Global Studies | Health Innovations |

| | | |
|---|---|---|
| CDE Upper Division Elective | SGS 101: Thinking Globally (SB & G) | HCI 311: Health Innovation: Foundational Concepts |
| FAS 101: Personal Growth and Relationships (SB) | SGS 204: Professional Global Career Development | HCI 412: Transforming Health Care: A Systems Perspective for Innovation |
| FAS 264: Sociology of Gender (SB & C) | SGS 303: Global Trends (SB & G) | HCI 421: Health Care Policy: The Innovator's View |
| FAS 331: Modern Family Relationships (SB) | SGS Lower Division Elective | HCI 425: Facilitating Innovation to Achieve Outcomes |
| FAS 370: Family Ethnic and Cultural Diversity (SB & C) | SGS Upper Division Elective | HCI 428: Technology: A Tool to Advance Innovation in Health Care |

| Organizational Leadership | Personal Health | Political Science |
|---|---|---|
| OGL 200: Introduction to Organizational Leadership (SB) | EXW 325: Fitness for Life | POS 110: American Government and Politics (SB) |
| OGL 220: Behavioral Dynamics in Organizations (SB) | EXW OR HEP Upper Division Elective | POS 150: Comparative Government (SB & G) |
| OGL 340: Organizational Skills | HEP 303: Human Sexuality for Health Education | POS 210: Political Ideologies (SB) |
| OGL 355: Leading Organizational Innovation and Change | HSC 355: Eating for Lifelong Health (SB) | POS 360: World Politics (SB & G) |
| PMG 320: Foundations of Project Management | NTR 100: Introduction to Nutrition Science | POS Upper Division Elective |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Elementary Education, BAE

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic, Tempe, West, ASU Sync
TEEEDBAE

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Students should work with their academic advisor to select the appropriate math course.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Join a student club or professional organization. |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 31 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • GCU 113 meets US and AZ Constitution requirements for AZ state teacher certification<br>• Develop your skills |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching | 3 | C | |
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | | |

| | | |
|---|---|---|
| Historical Awareness (H) ( GCU 113 recommended) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 13 | |

| Term 4 44 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor.<br>• Develop your professional online presence. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| EED 284: Introduction to Integrated STEAM Learning Experiences | 3 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| *Complete 2 courses:*<br>Specialization Area Course | 5 | C | |
| Term hours subtotal: | 15 | | |

| Term 5 59 - 73 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • Students may take TEL 310 and/or TEL 318 in an earlier term if their schedule allows. Please consult with an academic advisor first.<br>• Complete an in person or virtual practice interview. |
| MTE 311: Geometry, Algebra, Statistics and Probability for K-8 Teaching | 3 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 331: Foundations of Literacy: The Science of Reading | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| Term hours subtotal: | 14 | | |

| Term 6 73 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 366: Internship: Intermediate | 1 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| EED 324: Social Studies for Equity and Social Justice | 3 | C | |
| RDG 413: Literacy Methods of Instruction and Assessment for Diverse Learners | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| *Complete 2 courses:*<br>Specialization Area Course | 6 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 7 90 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 477: Internship: Advanced | 2 | C | |
| EED 411: Science in Elementary Schools | 3 | C | |
| EED 412: Mathematics in Elementary Schools | 3 | C | |
| EED 433: Writing in the 21st Century | 3 | C | |

| | | |
|---|---|---|
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | |
| Term hours subtotal: | 18 | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Elementary Multilingual Education, BAE

School/College: Mary Lou Fulton Teachers College
Location: Tempe
TEEMLEBAE

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Students should work with their academic advisor to select the appropriate math course.<br>• ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Join a student club or professional organization. |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 31 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • GCU 113 meets the US and AZ constitution requirements for AZ teacher certification.<br>• Develop your skills. |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching | 3 | C | |

| | | |
|---|---|---|
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | |
| Historical Awareness (H) ( GCU 113 recommended) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 13 | |

| Term 4 44 - 57 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor.<br>• The Bilingual Education and English as a Second Language endorsements from the Arizona Department of Education require six hours of a foreign language or its equivalent. Students interested in these endorsements should take these courses as their specialization area courses. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| *Complete 2 courses:*<br>Specialization Area Course | 6 | C | |
| Term hours subtotal: | 13 | | |

| Term 5 57 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • Students may take TEL 310 and/or TEL 318 in an earlier term if their schedule allows. Please consult with an academic advisor first. |
| BLE 338: Foundations of Second Language Acquisition and Development (L) | 3 | C | |
| MTE 311: Geometry, Algebra, Statistics and Probability for K-8 Teaching | 3 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 331: Foundations of Literacy: The Science of Reading | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| Term hours subtotal: | 17 | | |

| Term 6 74 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BLE 481: Reading Practicum | 3 | C | • Complete an in person or virtual practice interview. |
| BLE 400: Principles of Language Minority Education | 3 | C | |
| EED 412: Mathematics in Elementary Schools | 3 | C | |
| RDG 413: Literacy Methods of Instruction and Assessment for Diverse Learners | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 7 90 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| ★ TEL 477: Internship: Advanced | 2 | C |
| BLE 324: Social Studies for Diverse Language Classrooms | 3 | C |
| BLE 336: Culturally Sustaining and Transformative Pedagogies | 3 | C |
| BLE 411: Science Curriculum, Instruction and Assessment in BLE/ESL Settings | 3 | C |
| BLE 413: Language Arts in BLE/ESL Settings | 3 | C |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | |
| Term hours subtotal: | 18 | |

| **Term 8 108 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

# Physical Education, BAE

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic, Tempe
TEPPEBAE

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students should work with their academic advisors to select the appropriate math course.<br>• Join a student club or professional organization. |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health | 2 | | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health | 2 | | |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 16 | | |

| Term 3 31 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • Develop your skills. |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |

| | | |
|---|---|---|
| PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health | 2 | |
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | |
| Natural Science - Quantitative (SQ) ( BIO 100 OR ABS 130 recommended) | 4 | C |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 13 | |

| Term 4 44 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | • GCU 113 meets the US and AZ constitution requirement for AZ teacher certification.<br>• Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor.<br>• Develop your professional online presence. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health | 2 | | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| Specialization Area Course | 3 | C | |
| Historical Awareness (H) ( GCU 113 recommended) | 3 | | |
| Term hours subtotal: | 15 | | |

| Term 5 59 - 73 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • Students may take TEL 310 and/or TEL 318 in an earlier term if their schedule allows. Please consult with an academic advisor first.<br>• Become a member of the Arizona Health & Physical Education State Association. |
| PPE 300: Introduction to Physical Education, Fitness and Sport | 3 | C | |
| PPE 450: Physical Education for the Elementary School | 3 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| Term hours subtotal: | 14 | | |

| Term 6 73 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 366: Internship: Intermediate | 1 | C | • Complete an in person or virtual practice interview |
| PPE 315: Pediatric Movement Sciences for Physical Educators | 3 | C | |
| PPE 455: Physical Education in the Secondary School | 3 | C | |
| PPE 460: Adapted and Inclusive Physical Education | 3 | C | |
| PPE 465: Teaching Physical Activity Concepts (L) | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 7 90 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ TEL 477: Internship: Advanced | 2 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| PPE 320: Exercise Physiology Concepts for Physical Educators | 3 | C | |
| TEL 332: Disciplinary Literacy Methods | 3 | C | |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C | |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | | |
| *Complete 2 courses:* Specialization Area Course | 6 | C | |
| Term hours subtotal: | 18 | | |

| **Term 8 108 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Secondary Education, BAE

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic, Tempe, West, ASU Sync
TESEDBAE

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students should work with their academic advisors to select the appropriate math course.<br>• Join a student club or professional organization. |
| MAT 142: College Mathematics (MA) OR MAT 117: College Algebra (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP)fingerprint clearance cardonline.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Content Area Course | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 13 | | |

| Term 3 30 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | | |

| | | |
|---|---|---|
| Content Area Course | 3 | C |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 14 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | • GCU 113 meets the US and AZ constitution requirements for AZ teacher certification.<br>• Develop your professional online presence. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| *Complete 2 courses:*<br>Content Area Course | 6 | C | |
| Historical Awareness (H) ( GCU 113 recommended) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • Students may take TEL 310 and/or TEL 318 in an earlier term if their schedule allows. Please consult with an academic advisor first. |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| *Complete 2 courses:*<br>Content Area Course | 6 | C | |
| Term hours subtotal: | 14 | | |

| Term 6 74 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 366: Internship: Intermediate | 1 | C | • Complete an in-person or virtual practice interview.<br>• Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| SED 403: Secondary Principles, Curriculum and Methods | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| Upper Division Specialization Area Course | 3 | C | |
| Content Area Course | 3 | C | |
| Upper Division Literacy and Critical Inquiry (L) | 3 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 7 91 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 477: Internship: Advanced | 2 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| TEL 332: Disciplinary Literacy Methods | 3 | C | |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C | |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | | |
| Upper Division Content Area Course | 3 | C | |

| | | |
|---|---|---|
| Content Area Methods Course | 3 | C |
| Specialization Area Course | 2 | C |
| Term hours subtotal: | 17 | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

- Courses selected for Track Area must be from same track. Students should not mix/match track areas.

Hide Course List(s)/Track Group(s)

| Content: Biology | Content: Business | Content: Chemistry |
|---|---|---|
| BIO 181: General Biology I (SQ) | ACC 231: Uses of Accounting Information I | CHM 113: General Chemistry I (SQ) |
| BIO 182: General Biology II (SG) | ACC 241: Uses of Accounting Information II | CHM 116: General Chemistry II (SQ) |
| BIO 320: Fundamentals of Ecology | ECN 211: Macroeconomic Principles (SB) | CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I |
| BIO 340: General Genetics | ECN 212: Microeconomic Principles (SB) | |
| BIO 345: Evolution | MGT 300: Principles of Management and Leadership | CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II |
| BIO OR MIC OR SCN OR ABS Elective | MKT 300: Marketing and Business Performance | CHM OR BCH Elective |
| | SCM 300: Global Supply Operations | |
| | MGT OR MKT OR SCM OR FIN Elective | |

| Content: Chinese | Content: Earth and Space | Content: Economics |
|---|---|---|
| CHI 201: Second-Year Chinese I (G) | AST 111: Introduction to Solar Systems Astronomy (SQ) | ECN 211: Macroeconomic Principles (SB) |
| CHI 202: Second-Year Chinese II (G) | GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I: Laboratory (SQ) | ECN 212: Microeconomic Principles (SB) |
| CHI 301: Third-Year Chinese I (G) | | ECN 221: Business Statistics (CS) |
| CHI 302: Third-Year Chinese II (G) | SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ) | ECN 312: Intermediate Microeconomic Theory (SB) |
| CHI Elective | | ECN 313: Intermediate Macroeconomic Theory (SB) |
| | SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory | ECN Elective |
| | SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab | |
| | GLG OR AST OR GPH Elective | |

| Content: English | Content: French | Content: General Science |
|---|---|---|
| ENG 200: Critical Reading and Writing About Literature (L or HU) | FRE 201: Intermediate French I (G) | AST 111: Introduction to Solar Systems Astronomy (SQ) |

ENG 221: Survey of English Literature (HU)

ENG 222: Survey of English Literature (HU & H)

ENG 241: Literatures of the United States to 1860 ((L or HU) & C)

ENG 242: Literatures of the United States, 1860 to Present (HU)

ENG 471: Literature for Young Adults (HU)

ENG Elective

FRE 202: Intermediate French II (G)

FRE 305: Readings in French Literature (G)

FRE 311: Oral and Written Expression I (G)

FRE 312: Oral and Written Expression II (G)

FRE Elective

BIO 100: The Living World (SQ)

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 101: Introductory Chemistry (SQ)

CHM 113: General Chemistry I (SQ)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I: Laboratory (SQ)

GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)

PHY 101: Introduction to Physics (SQ)

PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)

PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)

SCN 300: Foundations of Environmental Education

ABS OR AST OR BIO OR CHM OR GLG OR PHY Elective

Content:Geography

GCU 102: Introduction to Human Geography (SB & G)

GCU 113: United States and Arizona Social Studies (SB & H)

GCU 114: World Social Studies (SB & G & H)

GCU 121: World Geography (SB & G)

GCU 241: The Global Economy in Transition (SB & G)

GIS 205: Geographic Information Science I (CS)

GPH 111: Introduction to Physical Geography (SQ)

GPH 112: Introduction to Physical Geography Lab (SQ)

GCU OR GPH OR GIS Elective

Content: Health

CHS 300: An Exploration of Well-Being (SB)

CHS 340: Health Theory

EXW 101: Foundations of Health and Fitness Science

EXW 215: Resistance Training and Recovery Techniques

EXW 217: Cardiorespiratory and Flexibility Training

EXW 302: Fundamentals of Wellness (L)

EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)

HEP 303: Human Sexuality for Health Education

HEP 350: Substance Use and Addictive Behaviors

HEP 380: Body Image and Wellness

HSC 355: Eating for Lifelong Health (SB)

NTR 241: Human Nutrition

Content: History

HST 100: Global History to 1500 (HU & H & G)

HST 101: Global History Since 1500 (HU & H & G)

HST 109: United States to 1865 ((HU or SB) & H)

HST 110: United States Since 1865 (SB & H)

HST Elective

CHS OR EXW OR HEP OR HSC OR NTR Elective

| Content: Mathematics |
| --- |
| MAT 243: Discrete Mathematical Structures |
| MAT 270: Calculus with Analytic Geometry I (MA) |
| MAT 271: Calculus with Analytic Geometry II (MA) |
| MAT 272: Calculus with Analytic Geometry III (MA) |
| MAT 275: Modern Differential Equations (MA) |
| MAT 300: Mathematical Structures (L) |
| MAT 310: Introduction to Geometry |
| MAT OR MTE OR STP Elective |

| Content: Physical Education |
| --- |
| PPE 215: Teaching Team Sports |
| PPE 220: Teaching Lifetime Activity K-12 |
| PPE 230: Teaching Group Exercise |
| PPE 235: Teaching Strength and Conditioning for Health |
| PPE 300: Introduction to Physical Education, Fitness and Sport |
| PPE 315: Pediatric Movement Sciences for Physical Educators |
| PPE 320: Exercise Physiology Concepts for Physical Educators |
| PPE 450: Physical Education for the Elementary School |
| PPE 460: Adapted and Inclusive Physical Education |
| PPE 465: Teaching Physical Activity Concepts (L) |
| PPE 485: Physical Activity Leadership in Schools |
| PPE 494: Principles of Sport Coaching |

| Content: Physics |
| --- |
| PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) |
| PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) |
| PHY 252: Physics III (SQ) |
| PHY Elective |

| Content: Political Science |
| --- |
| POS 110: American Government and Politics (SB) |
| POS 150: Comparative Government (SB & G) |
| POS 160: Global Politics (SB & G) |
| POS 210: Political Ideologies (SB) |
| POS 216: State and Local Government (SB) |
| POS 270: American Legal System (SB) |
| POS 300: Contemporary Global Controversies (SB & G) |
| POS 310: American National Government (SB) |
| POS 370: Law and Society (SB) |
| JUS OR SGS OR POS Elective |

| Content: Spanish |
| --- |
| SPA 201: Intermediate Spanish (G) |
| SPA 202: Intermediate Spanish (G) |
| SPA 313: Spanish Conversation and Composition (G) |
| SPA 314: Spanish Conversation and Composition (G) |
| SPA 315: Advanced Spanish I for Bilinguals (C) |
| SPA 316: Advanced Spanish II for Bilinguals (L & C) |
| SPA 412: Advanced Conversation and Composition (G) |
| SPA 413: Spanish Grammar in Context (G) |
| SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) & C) |
| SPA 472: Latin American Society: Five Case Studies (HU & H & G) |

| Content: Theatre |
| --- |
| THE 421: Shakespeare: Stage and Film (L or HU) |
| THE 422: Latinx Theatre and Film (HU & C) |
| THE 423: African American Theatre (C) |
| THE 426: Pre-Columbian Theatre of the Americas |
| THP 311: Drama and Education: Performance Methods for Teaching (L) |
| THP 411: Methods of Teaching Drama |
| FMP OR THE OR THF OR THP Elective |

| | |
|---|---|
| | SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) & G) |
| | SPA Elective |
| Content: Methods Course | |
| BIO 480: Methods of Teaching Biology or SCN 494: Biology for Teachers | |
| CHM 480: Methods of Teaching Chemistry | |
| ENG 480: Methods of Teaching English: Composition (L) | |
| ENG 482: Methods of Teaching English: Language (L) | |
| HST 480: Methods of Teaching History: Classroom Resources | |
| MTE 482: Methods of Teaching Mathematics in Secondary School | |
| MTE 494: Advanced Methods of Tchng Mthmtics in Scndry Schls | |
| PHY 480: Methods of Teaching Physics | |
| PPE 455: Physical Education in the Secondary School | |
| SED 403: Secondary Principles, Curriculum and Methods | |
| SED 480: Special Methods of Teaching Social Studies | |
| SED 481: English Teaching Methods for Secondary Schools | |
| SED 482: Science Teaching Methods for Secondary Schools | |
| SED 494: Methods of Teaching History: Community Resources | |
| SES 480: Teaching Earth and Space Sciences | |
| THE 480: Methods of Teaching Theatre | |

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum

**General University Requirements Legend**

**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Secondary Education (Biological Sciences), BAE

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic, Tempe, West
TEBIOBAE

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 181: General Biology I (SQ) | 4 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| MAT 170: Precalculus (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| BIO 182: General Biology II (SG) | 4 | C | • Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences.<br>• Join a student club or professional organization. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 31 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | |
| CHM 113: General Chemistry I (SQ) | 4 | C | |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | | |
| Global Awareness (G) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 14 | | |

| Term 4 45 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | • GCU 113 meets the US and AZ constitution requirements for AZ teacher certification. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| CHM 116: General Chemistry II (SQ) | 4 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| Historical Awareness (H) ( GCU 113 recommended) | 3 | | |
| Term hours subtotal: | 14 | | |

| Term 5 59 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • Students may take TEL 310 and/or TEL 318 in an earlier term if their schedule allows. Please consult with an academic advisor first. |
| BIO 201: Human Anatomy and Physiology I (SG) OR BIO 360: Animal Physiology OR PLB 308: Plant Physiology | 4-3 | C | |
| BIO 340: General Genetics OR LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory | 4 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| Term hours subtotal: | 16-15 | | |

| Term 6 75 - 92 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 366: Internship: Intermediate | 1 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor.<br>• Complete an in person or virtual practice interview. |
| BIO 320: Fundamentals of Ecology OR BIO 345: Evolution | 3 | C | |
| SED 482: Science Teaching Methods for Secondary Schools | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| *Complete 2 courses:*<br>Specialization Area Course | 6 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 7 92 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 477: Internship: Advanced | 2 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| BIO 480: Methods of Teaching Biology | 3 | C | |
| TEL 332: Disciplinary Literacy Methods | 3 | C | |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C | |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | | |
| Specialization Area Course | 1 | C | |
| Upper Division Literacy and Critical Inquiry (L) ( BIO 303 OR BIO 304 OR BIO 431 OR BIO 446 recommended) | 3 | | |

| | |
|---|---|
| Term hours subtotal: | 16 |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Secondary Education (English), BAE

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic, Tempe, West
TEENGBAE

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students should work with their academic advisor to select the appropriate math course.<br>• Join a student club or professional organization. |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 27 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | • Develop your skills. |
| ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU) | 3 | C | |
| ENG 200: Critical Reading and Writing About Literature (L or HU) | 3 | C | |

| | | |
|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C |
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | |
| Natural Science - Quantitative (SQ) | 4 | C |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 17 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| *Complete 2 courses:* ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) & C) OR ENG 242: Literatures of the United States, 1860 to Present (HU) | 6 | C | • GCU 113 meets the US and AZ constitution requirements for AZ teacher certification. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| Historical Awareness (H) ( GCU 113 recommended) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 74 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • Students may take TEL 310 and/or TEL 318 in an earlier term if their schedule allows. Please consult with an academic advisor first. |
| ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar OR ENG 323: Rhetoric and Grammar (L) | 3 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| ENG Upper Division Elective | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 6 74 - 91 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 366: Internship: Intermediate | 1 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor.<br>• Complete an in person or virtual practice interview. |
| ENG 321: Shakespeare (L or HU) OR ENG 421: Studies in Shakespeare (L or HU) OR ENG 422: Special Topics in Shakespeare | 3 | C | |
| ENG 480: Methods of Teaching English: Composition (L) OR SED 481: English Teaching Methods for Secondary Schools | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| *Complete 2 courses:* Specialization Area Course | 6 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 7 91 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| ★ TEL 477: Internship: Advanced | 2 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| ENG 471: Literature for Young Adults (HU) | 3 | C | |
| ENG 482: Methods of Teaching English: Language (L) | 3 | C | |
| TEL 332: Disciplinary Literacy Methods | 3 | C | |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C | |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | | |
| Specialization Area Course | 2 | C | |
| Term hours subtotal: | 17 | | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Secondary Education (History), BAE

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic, Tempe, West
TEHISBAE

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-year Seminar required of all first-year students.<br>• Students should work with their academic advisor to select the appropriate math course.<br>• Join a student club or professional organization. |
| HST 130: The Historian's Craft | 3 | C | |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 33 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) | 3 | C | |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 3 33 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H) | 3 | C | |
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | |

| | | |
|---|---|---|
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C |
| HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) | 3 | C |
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 13 | |

| **Term 4 46 - 60 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H) | 3 | C | |
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Term hours subtotal: | 14 | | |

| **Term 5 60 - 74 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • GCU 113 meets the US and AZ constitution requirements for AZ teacher certification.<br>• Students may take TEL 310 and/or TEL 318 in an earlier term if their schedule allows. Please consult with an academic advisor first. |
| GCU 113: United States and Arizona Social Studies (SB & H) OR POS 417: Arizona Politics (SB) | 3 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| Upper Division U.S. History Course | 3 | C | |
| Term hours subtotal: | 14 | | |

| **Term 6 74 - 91 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| TEL 366: Internship: Intermediate | 1 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor.<br>• Complete an in person or virtual practice interview. |
| HST 480: Methods of Teaching History: Classroom Resources OR SED 480: Special Methods of Teaching Social Studies | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| Upper Division Non-U.S. History Course | 3 | C | |
| *Complete 2 courses:*<br>Specialization Area Course | 6 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

| **Term 7 91 - 108 Credit Hours Necessary course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| TEL 477: Internship: Advanced | 2 | C | • Students choose a Specialization Area which can be an approved certificate or a |
| HST 481: Methods of Teaching History: Community Resources | 3 | C | |

| | | |
|---|---|---|
| HST 495: Methods of Historical Inquiry (L) | 3 | C |
| TEL 332: Disciplinary Literacy Methods | 3 | C |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | |
| Specialization Area Course | 2 | C |
| Term hours subtotal: | 17 | |

personalized interest area. Students select appropriate courses in consult with their academic advisor.

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

| U.S. History |
|---|
| AMS 412: The Bill of Rights and the US Supreme Court (H) |
| HST 306: Studies in United States History |
| HST 314: American Cultural History Since 1865 ((HU or SB) & H) |
| HST 315: Political History of the U. S. (SB & H) |
| HST 316: 20th-Century U.S. Foreign Relations (SB & H) |
| HST 317: History of Postwar U.S. Conservatism |
| HST 318: History of Engineering ((L or SB) & G) |
| HST 320: U.S. Urban History since 1850 (SB & H) |
| HST 321: Constitutional History/US to 1865 (SB & H) |
| HST 322: Constitutional History of the United States Since 1865 (H) |
| HST 323: Historical Studies in Race, Crime, and the Law |
| HST 325: Immigration and Ethnicity in the United States (SB & H & C) |
| HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H) |
| HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) |

| Non-U.S. History |
|---|
| HST 302: Envisioning Peace |
| HST 302: Gender and Sexuality in Islam |
| HST 302: History of the Olympic Movement |
| HST 302: Jews, Christians & Muslims in Early Modern World |
| HST 302: Jews, Christians & Muslims in the Medieval World |
| HST 302: Slavery Systems in Africa |
| HST 302: Studies in History |
| HST 302: The Mexico City 1968 Olympics in Global Context |
| HST 303: Studies in Asian History |
| HST 304: Studies in European History |
| HST 305: Studies in Latin American History |
| HST 309: Exploration and Empire ((L or HU) & H) |
| HST 326: The Global History of the Trans-Atlantic Slave Trade (SB & H) |
| HST 336: Islamic Civilization (HU & H) |
| HST 339: Islam in the Modern World (HU & G) |
| HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB & H) |
| HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) |

HST 329: Women in 20th-Century U.S. West (H & C)

HST 331: Mexican American History to 1900 (SB & H & C)

HST 332: Mexican American History Since 1900 (SB & H & C)

HST 333: African American History to 1865 (SB & H & C)

HST 334: African American History Since 1865 ((HU or SB) & C & H)

HST 335: History of Black Women in America (SB & H)

HST 337: American Indian History to 1900 ((HU or SB) & C & H)

HST 338: American Indian History since 1900 ((HU or SB) & C & H)

HST 340: American Military History (SB & H)

HST 341: U.S. West 19th Century (SB & H)

HST 342: U.S. West 20th Century (SB & H)

HST 343: American Southwest ((L or SB) & H)

HST 344: Arizona (SB & H)

HST 345: Environmental History (L)

HST 405: Colonial American History to 1763 (SB & H)

HST 406: American Revolution/1763-1789 (SB & H)

HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H)

HST 408: Civil War and Reconstruction ((L or SB) & H)

HST 409: Emergence Modern U.S. 1877-1918 (SB & H)

HST 412: Contemporary U.S., 1973- Present (SB & H)

HST 413: Contemporary America ((L or SB) & H)

HST 414: Political History and Leadership

HST 419: 20th Century Chicano/a History (C)

HST 443: The United States and Latin America (SB & G & H)

HST 448: Mexican/U.S. Border

HST 348: Rome (SB & H)

HST 349: Early Middle Ages ((HU or SB) & H)

HST 350: Later Middle Ages ((HU or SB) & H)

HST 351: Renaissance Europe ((L or HU or SB) & H)

HST 352: Europe's Reformations ((L or HU or SB) & H)

HST 353: Old Regime in Europe (SB & H)

HST 354: Revolutionary Europe (SB & H)

HST 355: Total War and the Crisis of Modernity (SB & G & H)

HST 356: Europe since 1945 (SB & G & H)

HST 358: Jewish History from Antiquity to 1492 (SB & H)

HST 359: Jewish History from 1492 to 1948 (SB & G & H)

HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)

HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H)

HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)

HST 364: Sex and Society in Modern Europe ((L or SB) & H)

HST 365: World Wars I and II: Europe's Eastern Front

HST 366: England to 1689 (SB & H)

HST 367: From Empire to Brexit: Modern Britain (SB & H)

HST 368: Culture and Imagination in European History (HU & H)

HST 369: History and Memory of the Holocaust

HST 370: Eastern Europe in Transition (SB & G & H)

HST 372: Modern Middle East (SB & G & H)

HST 373: Roman History I: Foundations and Republic

HST 449: Mexican Immigration to the U.S. ((L or SB) & H & C)

HST 456: The Vietnam War (SB & G & H)

HST 374: Roman History II: The Roman Empire (HU & H)

HST 375: Colonial Latin America (SB & H)

HST 376: Modern Latin America (SB & G & H)

HST 383: China (SB & H)

HST 384: Modern China: 1700 to the Present (SB & G & H)

HST 386: Interpreting China's Classics ((L or HU) & H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and Values/Premod

HST 391: Modern Southeast Asia (SB & G & H)

HST 392: Modern India

HST 397: Greece and Rome at War

HST 404: Conquest and Encounters in Colonial Latin America (L & G)

HST 419: 20th Century Chicano/a History (C)

HST 423: The Tudor Monarchy (SB & H)

HST 424: The Stuart Monarchy (SB & H)

HST 426: The British Empire (H)

HST 427: French Revolution/Napoleonic Era (SB & H)

HST 429: Modern Germany (SB & G & H)

HST 430: The Ottoman Empire in the Classical Period

HST 432: Eastern Europe the Balkans, 20th Century (G & H)

HST 435: The Russian Empire (SB & H)

HST 436: Rise & Fall of Soviet Communism (SB & G & H)

HST 438: Modern Spain ((HU or SB) & G & H)

HST 439: Athenian Democracy (H)

HST 441: Latin America and the World Economy (L & G & H)

HST 443: The United States and Latin America (SB & G & H)

HST 444: Latin American Independence ((L or HU) & G)

HST 445: 20th-Century Cuba (SB & G & H)

HST 447: Modern Mexico (SB & H)

HST 448: Mexican/U.S. Border

HST 451: Chinese Cultural History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB & G & H)

HST 454: History of Genocide (G & H)

HST 459: Gandhi and the Politics of Nonviolence

HST 465: Women in Europe, 1750 to Present ((HU or SB) & H)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Secondary Education (Mathematics), BAE

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic, Tempe, West
TEMATBAE

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college specific equivalent first-year seminar required of all first-year students.<br>• Join a student club or professional organization. |
| MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Term hours subtotal: | 14 | | |

| Term 2 14 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 28 - 46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | |
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| MAT 207: Algebra and Geometry in the High School AND MTE 210: Mentored Tutoring Internship OR MAT 208: Discrete Mathematics for Secondary Teachers OR MAT 243: Discrete Mathematical Structures | 3 | C | |
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Complete Mathematics (MA) requirement. | | | |

Term hours subtotal: 18

| Term 4 46 - 63 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | • GCU 113 meets the US and AZ constitution requirements for AZ teacher certification. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| MAT 300: Mathematical Structures (L) | 3 | C | |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| Historical Awareness (H) ( GCU 113 recommended) | 3 | C | |
| Term hours subtotal: | 17 | | |

| Term 5 63 - 77 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • Students may take TEL 310 and/or TEL 318 in an earlier term if their schedule allows. Please consult with an academic advisor first. |
| MAT 310: Introduction to Geometry | 3 | C | |
| STP 420: Introductory Applied Statistics (CS) | 3 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| Term hours subtotal: | 14 | | |

| Term 6 77 - 94 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 366: Internship: Intermediate | 1 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor.<br>• Complete an in person or virtual practice interview. |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra OR MAT 275: Modern Differential Equations (MA) OR MAT 371: Advanced Calculus I | 3 | C | |
| MTE 485: Methods of Teaching Standards-Based Middle Grades and Early Secondary Mathematics OR MTE 494: Advanced Methods of Tchng Mthmtics in Scndry Schls | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| *Complete 2 courses:*<br>Specialization Area Course | 6 | C | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 7 94 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 477: Internship: Advanced | 2 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| MTE 485: Methods of Teaching Standards-Based Middle Grades and Early Secondary Mathematics OR MTE 494: Advanced Methods of Tchng Mthmtics in Scndry Schls | 3 | C | |
| TEL 332: Disciplinary Literacy Methods | 3 | C | |

| | | |
|---|---|---|
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | |
| Specialization Area Course | 2 | C |
| Term hours subtotal: | 14 | |

| Term 8 108 - 120 Credit Hours Necessary course signified by ★ | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Special Education, BAE

School/College: Mary Lou Fulton Teachers College
Location: Tempe, ASU Sync
TESPCEDBAE

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.<br>• Students should work with their academic advisor to select the appropriate math course.<br>• Join a student club or professional organization. |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP) fingerprint clearance card online.<br>• Your IVP fingerprint card will be needed for professional classroom experiences. |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 31 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • GCU 113 meets the US and AZ constitution requirements for AZ teacher certification.<br>• Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students may speak with their academic advisor about creating their own unique specialization area. Please |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching | 3 | C | |

| | | |
|---|---|---|
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | meet with an academic advisor to plan accordingly. |
| Historical Awareness (H) ( GCU 113 recommended) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 13 | |

| Term 4 44 - 59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| *Complete 3 courses:* Specialization Area Course | 8-9 | C | |
| Term hours subtotal: | 15-16 | | |

| Term 5 59 - 73 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 355: Internship: Initial | 1 | C | • TEL 310 and TEL 318 may be taken in Term 4. See an academic advisor for more information. |
| SPE 321: Classroom and SPE Assessment | 3 | C | |
| SPE 411: Special Education History and Law | 3 | C | |
| TEL 310: Instructional Thought and Action: Instructional Design and Planning | 3 | C | |
| TEL 318: Instructional Thought and Action: Assessment for Learning | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| Term hours subtotal: | 14 | | |

| Term 6 73 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 366: Internship: Intermediate | 1 | C | • Complete an in person or virtual practice interview. |
| EED 412: Mathematics in Elementary Schools | 3 | C | |
| SPE 323: Effective Practices and Behavior Interventions: Supports for Exceptional Students | 3 | C | |
| SPE 424: Evidence-Based Practices for Students with Intensive Exceptional Needs | 3 | C | |
| TEL 317: Instructional Thought and Action: Learning Environment and Management | 3 | C | |
| TEL 331: Foundations of Literacy: The Science of Reading | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 17 | | |

| Term 7 90 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 477: Internship: Advanced | 2 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| RDG 413: Literacy Methods of Instruction and Assessment for Diverse Learners | 3 | C | |
| SPE 423: Evidence-Based Practices for Students with Exceptional Needs | 3 | C | |

| | | |
|---|---|---|
| SPE 430: Professional Practices, Foundations, and Collaborative Teaching in Special Education (L) | 3 | C |
| TEL 340: Families, Communities and Cultures: Cultivating Networks of Culturally Responsive Relationships (SB) | 3 | C |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | |
| Specialization Area Course | 3 | C |
| Term hours subtotal: | 18 | |

| **Term 8 108 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ TEL 488: Student Teaching | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Special Education (Visual Impairment), BAE

School/College: Mary Lou Fulton Teachers College
Location: Tempe, West
TESPEVIBAE

| Term 1 0 - 17 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students<br>• Students should work with their academic advisor to select the appropriate math course.<br>• Join astudent clubor professional organization. |
| MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) | 3 | C | |
| TEL 101: Professional Educator Series: The Student Experience | 1 | | |
| TEL 111: Exploration of Education (SB) | 3 | C | |
| TEL 208: Literacy in a Changing World (HU) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 17 | | |

| Term 2 17 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • Apply for an identify verified print (IVP) fingerprint clearance cardonline.<br>• Your IVP fingerprint card will be needed for professional classroom experiences |
| SCN 202: Sustainability Science Literacy for Engaged Global Citizens (SG & G) OR SCN 208: Nature and Society: An Introduction to Environmental Studies (SG & G) | 4 | C | |
| TEL 171: Professional Educator Series: Equity in Education | 1 | | |
| TEL 212: Understanding the Culturally Diverse Learner (HU & C) | 3 | C | |
| TEL 215: Introduction to Child and Adolescent Development (SB) | 3 | C | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 14 | | |

| Term 3 31 - 44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| TEL 203: Collaborating, Planning and Implementing Instruction in Diverse Contexts | 3 | C | • GCU 113 meets the US and AZ constitution requirements for AZ teacher certification.<br>• Develop your skills |
| EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) | 3 | C | |
| MTE 280: Numbers, Operations and Proportional Reasoning for K-8 Teaching | 3 | C | |
| TEL 270: Professional Educator Series: Connecting Research to Practice | 1 | | |

| | | |
|---|---|---|
| Historical Awareness (H) ( GCU 113 recommended) | 3 | |
| Complete Mathematics (MA) requirement. | | |
| Term hours subtotal: | 13 | |

| Term 4 44 - 60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 222: Orientation to Education of Exceptional Children (SB & C) | 3 | C | • Students choose a Specialization Area which can be an approved certificate or a personalized interest area. Students select appropriate courses in consult with their academic advisor. |
| BLE 220: Foundations of Structured English Immersion (L) | 3 | C | |
| TEL 271: Professional Educator Series: Inclusivity in Practice | 1 | | |
| *Complete 2 courses:* Specialization Area Course | 6 | C | |
| Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) | 3 | | |
| Term hours subtotal: | 16 | | |

| Term 5 60 - 75 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 396: Clinical Experience I | 2 | C | |
| SPE 411: Special Education History and Law | 3 | C | |
| SPE 441: Reading and Writing Braille | 3 | C | |
| SPE 443: Foundations of Instruction for Students with Visual Impairments | 3 | C | |
| SPE 445: Orientation and Mobility for Teachers of the Visually Impaired | 3 | C | |
| TEL 370: Professional Educator Series: Building a Professional Network | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 6 75 - 90 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 397: Clinical Experience II | 2 | C | • Complete an in person or virtual practice interview |
| SPE 323: Effective Practices and Behavior Interventions: Supports for Exceptional Students | 3 | C | |
| SPE 424: Evidence-Based Practices for Students with Intensive Exceptional Needs | 3 | C | |
| SPE 442: Teaching Methodologies for Students with Visual Impairments | 3 | C | |
| TEL 331: Foundations of Literacy: The Science of Reading | 3 | C | |
| TEL 371: Professional Educator Series: Educational Policies | 1 | | |
| Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 7 90 - 108 Credit Hours Necessary course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| SPE 496: Clinical Experience III | 2 | C | |
| EED 412: Mathematics in Elementary Schools | 3 | C | |
| RDG 413: Literacy Methods of Instruction and Assessment for Diverse Learners | 3 | C | |
| SPE 430: Professional Practices, Foundations, and Collaborative Teaching in Special Education (L) | 3 | C | |

| | | |
|---|---|---|
| SPE 444: Diagnostic and Assessment: Procedures for the Visually Impaired | 3 | C |
| SPE 446: Modes of Communication | 3 | C |
| TEL 470: Professional Educator Series: Career Growth and Planning | 1 | |
| Term hours subtotal: | 18 | |

| **Term 8 108 - 120 Credit Hours Necessary course signified by ★** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| ★ SPE 447: Student Teaching for Teachers of the Visually Impaired | 11 | C | |
| TEL 471: Professional Educator Series: The Principled Educator | 1 | | |
| Term hours subtotal: | 12 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.

**Total Hours:** 120
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Health and Life Sciences

School/College: University College
Location: Downtown Phoenix, Polytechnic, Tempe, ASU at Lake Havasu
UCHSCIEXPL

| Term 1 0 - 15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU.<br>• Consult with your academic advisor on an elective course. Suggested options:FIN 123, PPE 240, UNI 120. |
| ASU 230: Life by Design | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Mathematics (MA) | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Elective | 1 | | |
| Term hours subtotal: | 15 | | |

| Term 2 15 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| UNI 250: ASU by Design: Choosing a Major | 1 | | • Join a student club or professional organization.<br>• Consider what experiential learning opportunitiesyou want to pursue.<br>• Consult with your academic advisor on an elective course. Suggested options:FIN 123, PPE 240, UNI 120. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | C | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 30 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | C | • Secure a part-time job or volunteer experience. |
| UNI 270: Work by Design: Preparing for a Career | 1 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 1 | | |

| | | |
|---|---|---|
| Complete Mathematics (MA) requirement. | | |
| Milestone: Selection of a major. | | |
| | Term hours subtotal: | 15 |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Health and Life Sciences

School/College: University College
Location: Online ASU Local
UCHSCIEXPL

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU.<br>• Consult with your academic advisor on an elective course based on your interests. |
| ASU 230: Life by Design | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 15 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here. |
| Natural Science - Quantitative (SQ) | 4 | C | |
| Elective | 1 | | |
| Term hours subtotal: | 8 | | |

| Term 2 - A 15 - 22 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| UNI 250: ASU by Design: Choosing a Major | 1 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Mathematics (MA) | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 22 - 30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | C | • Join a student club or professional organization.<br>• Consider what experiential learningopportunitiesyou want to pursue. |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 8 | | |

| Term 3 - A 30 - 37 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| UNI 270: Work by Design: Preparing for a Career | 1 | | |

| | | | |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | • Secure a part-time job or volunteer experience. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 3 - B 37 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Elective | 1 | | |
| Complete Mathematics (MA) requirement. | | | |
| Milestone: Selection of a major. | | | |
| Term hours subtotal: | 8 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Humanities, Fine Arts and Design

School/College: University College
Location: Downtown Phoenix, Polytechnic, Tempe, ASU at Lake Havasu
UCHUFAEXPL

| Term 1 0 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 230: Life by Design | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | C | |
| Mathematics (MA) | 3 | | |
| Term hours subtotal: | 13 | | |

| Term 2 13 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| UNI 250: ASU by Design: Choosing a Major | 1 | | • Join a student club or professional organization.<br>• Consider what experiential learningopportunitiesyou want to pursue. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | C | |
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 28 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Secure a part-time job or volunteer experience. |
| UNI 270: Work by Design: Preparing for a Career | 1 | | |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |

Milestone: Selection of a major.

Term hours subtotal: 17

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Humanities, Fine Arts and Design

School/College: University College
Location: Online ASU Local
UCHUFAEXPL

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or college specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 230: Life by Design | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Consult with your academic advisor on an elective course based on your interests. |
| Humanities, Arts and Design (HU) | 3 | C | |
| Elective | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 21 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| UNI 250: ASU by Design: Choosing a Major | 1 | | |
| Humanities, Arts and Design (HU) AND Global Awareness (G) | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 21 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | • Join a student club or professional organization.<br>• Consider what experiential learningopportunitiesyou want to pursue. |
| Social-Behavioral Sciences (SB) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 28 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| UNI 270: Work by Design: Preparing for a Career | 1 | | |

| | | |
|---|---|---|
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Term hours subtotal: | 8 | |

| Term 3 - B 36 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Computer/Statistics/Quantitative Applications (CS) | 3 | | • Secure a part-time job or volunteer experience |
| Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Milestone: Selection of a major. | | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Math, Physical Sciences, Engineering and Technology

School/College: University College
Location: Downtown Phoenix, Polytechnic, Tempe
UCEMTPEXPL

| Term 1 0 - 14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or College specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 230: Life by Design | 3 | | |
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA) | 3-4 | C | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Term hours subtotal: | 14-15 | | |

| Term 2 14 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA) | 3-4 | C | • Join a student club or professional organization.<br>• Consider what experiential learningopportunitiesyou want to pursue. |
| UNI 250: ASU by Design: Choosing a Major | 1 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 17-18 | | |

| Term 3 31 - 47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| | MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA) | 3-4 | C |
| | UNI 270: Work by Design: Preparing for a Career | 1 | |
| | Computer/Statistics/Quantitative Applications (CS) | 3 | |
| | Humanities, Arts and Design (HU) | 3 | |
| | Literacy and Critical Inquiry (L) | 3 | |
| | Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| | Complete Mathematics (MA) requirement. | | |
| | Milestone: Selection of a major. | | |
| | Term hours subtotal: | 16-17 | |

- Secure a part-time job or volunteer experience.

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

**Total Hours:** 47
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for**
**Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Math, Physical Sciences, Engineering and Technology

School/College: University College
Location: Online ASU Local
UCEMTPEXPL

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or college-specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 230: Life by Design | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 13 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) | 3 | C | • View ASU Online first-year student registration information here.<br>• Consult with your academic advisor on an elective course based on your interests. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 6 | | |

| Term 2 - A 13 - 20 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) | 3 | C | • Join a student club or professional organization.<br>• Consider what experiential learningopportunitiesyou want to pursue. |
| UNI 250: ASU by Design: Choosing a Major | 1 | | |
| Social-Behavioral Sciences (SB) AND Global Awareness (G) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 20 - 27 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 27 - 34 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | |
|---|---|---|
| MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) | 3 | C |
| UNI 270: Work by Design: Preparing for a Career | 1 | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | |
| Term hours subtotal: | 7 | |

| Term 3 - B 34 - 41 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | • Secure a part-time job or volunteer experience. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Term hours subtotal: | 7 | | |

| Term 4 - A 41 - 47 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Literacy and Critical Inquiry (L) | 3 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Milestone: Selection of a major. | | | |
| Term hours subtotal: | 6 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

**Total Hours:** 47
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Social and Behavioral Sciences

School/College: University College
Location: Downtown Phoenix, Polytechnic, Tempe, ASU at Lake Havasu
UCSBSEXPL

| Term 1 0 - 16 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or College specific equivalent First Year Seminar required for all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 230: Life by Design | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Humanities, Arts and Design (HU) | 3 | | |
| Mathematics (MA) | 3 | | |
| Social-Behavioral Sciences (SB) | 3 | C | |
| Term hours subtotal: | 16 | | |

| Term 2 16 - 31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| UNI 250: ASU by Design: Choosing a Major | 1 | | • Join a student club or professional organization.<br>• Consider what experiential learningopportunitiesyou want to pursue. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Natural Science - Quantitative (SQ) | 4 | | |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | C | |
| Elective | 1 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 15 | | |

| Term 3 31 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | • Secure a part-time job or volunteer experience. |
| UNI 270: Work by Design: Preparing for a Career | 1 | | |
| Global Awareness (G) | 3 | | |
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Milestone: Selection of a major. | | | |

Term hours subtotal: 14

Hide Course List(s)/Track Group(s)

**Notes:**

- First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
- Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.

# 2023 - 2024 Major Map

## Exploratory Social and Behavioral Sciences

School/College: University College
Location: Online, ASU Local
UCSBSEXPL

| Term 1 - A 0 - 7 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ASU 101-UC: The ASU Experience | 1 | | • ASU 101 or College specific equivalent First Year Seminar required of all first-year students.<br>• Select your career interest communities and play me3@ASU. |
| ASU 230: Life by Design | 3 | | |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | |
| Term hours subtotal: | 7 | | |

| Term 1 - B 7 - 14 Credit Hours | Hours | Minimum Grade | Notes |
|---|---|---|---|
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition | 3 | C | • View ASU Online first-year student registration information here.<br>• Consult with your academic advisor on an elective course based on your interests. |
| Social-Behavioral Sciences (SB) | 3 | C | |
| Elective | 1 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - A 14 - 21 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| UNI 250: ASU by Design: Choosing a Major | 1 | | • Join a student club or professional organization. |
| Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 | C | |
| Mathematics (MA) ( MAT 142 recommended) | 3 | | |
| Term hours subtotal: | 7 | | |

| Term 2 - B 21 - 28 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|
| Natural Science - Quantitative (SQ) | 4 | | • Consider what experiential learningopportunitiesyou want to pursue. |
| Computer/Statistics/Quantitative Applications (CS) | 3 | | |
| Complete ENG 101 OR ENG 105 OR ENG 107 course(s). | | | |
| Term hours subtotal: | 7 | | |

| Term 3 - A 28 - 36 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Natural Science - General (SG) OR Natural Science - Quantitative (SQ) | 4 | | • Secure a part-time job or volunteer experience. |
| UNI 270: Work by Design: Preparing for a Career | 1 | | |
| Humanities, Arts and Design (HU) | 3 | | |
| Term hours subtotal: | 8 | | |

| **Term 3 - B 36 - 45 Credit Hours Critical course signified by** | **Hours** | **Minimum Grade** | **Notes** |
|---|---|---|---|
| Humanities, Arts and Design (HU) AND Historical Awareness (H) | 3 | | |
| Global Awareness (G) | 3 | | |
| Literacy and Critical Inquiry (L) | 3 | | |
| Complete Mathematics (MA) requirement. | | | |
| Milestone: Selection of a major. | | | |
| Term hours subtotal: | 9 | | |

Hide Course List(s)/Track Group(s)

**Notes:**

- 
  - First-Year Composition: All students are placed in ENG 101 unless submission of SAT, ACT, Accuplacer, IELTS, or TOEFL score, or college-level transfer credit or test credit equivalent to ASU's first-year composition course(s), determine otherwise. Students on Polytechnic, Downtown Phoenix and West Campuses are encouraged to complete the Directed Self-Placement survey to choose the first-year composition option they believe best suits their needs. Visit: https://cisa.asu.edu/DSP
  - Mathematics Placement Assessment score determines placement in first mathematics course.
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

**Total Hours:** 45
**Upper Division Hours:** 45 minimum
**Major GPA:** 2.00 minimum
**Cumulative GPA:** 2.00 minimum
**Total hrs at ASU:** 30 minimum
**Hrs Resident Credit for Academic Recognition:** 56 minimum
**Total Community College Hrs:** 64 maximum

**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2023 - 2024 academic year.